# SBCC

## SANTA BARBARA CITY COLLEGE

# 2023-2024 COURSE CATALOG

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# SANTA BARBARA CITY COLLEGE

## General Catalog, 2023- 2024 (https://catalog.sbcc.edu/welcome/tableofcontents/)

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Santa Barbara City College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges, located at 10 Commercial Blvd., Suite 204, Novato, CA 94949, (415) 506-0234. The ACCJC is authorized to operate by the U.S. Department of Education through the *Higher Education Opportunity Act of 2008*.

*The Santa Barbara Community College District hereby certifies that this Catalog is true and correct in content, as required by DVB Circular 20-76-84, Appendix P, Paragraph 6 (a), Department of Education, State of California.*

# WELCOME

## Welcome to Santa Barbara City College

Santa Barbara City College is an award-winning community college that has been ranked top in the nation. SBCC is located in downtown Santa Barbara, CA, right across from the beach! At SBCC, you can choose to take classes online or on-campus. Our affordable, award-winning programs and excellent faculty will support you and get you where you want to be. At SBCC, you can customize your education and earn a degree, certificate or transfer directly to 4-year universities like UC Santa Barbara and UC Santa Cruz.

## Find Your Path, Achieve Your Dreams

SBCC offers a wide range of programs that can help you pursue your passions, discover your talents and achieve your dreams. Visit our website to explore our Career and Academic Pathways to get started on your personal path to success. Not sure where to start? Need help? Our Student Resource Finder (https://sbcc.edu/student-resource-finder/) is here for you.

## Transfer to a Four-Year College or University

Our support programs for transfer (https://www.sbcc.edu/transfercenter/) provide a variety of services, resources and programs designed to assist you every step of the way in your transfer process. Whatever your transfer destination - University of California (UC) campuses, California State Universities (CSU), or out-of-state universities - we are committed to helping make your transfer goal a reality!

## Prepare for or Further Your Career

The Career and Technical Education (CTE) Programs are career-driven approaches that help prepare students for employment directly after they leave SBCC. The instructors have often worked, or are currently working, in their respective fields and tend to make use of hands-on learning and focus on the programs of study. SBCC has over 50 programs ranging from Automotive Technologies to Nursing, with many of them offering certificates and degree options.

Wherever you want to go, SBCC will help you get there. We look forward to welcoming you to campus!

# CALENDAR

## Calendar, 2023-2024

**Fall Semester, 2023**

| | |
|---|---|
| August 24-25 | Faculty and Staff In-Service Days |
| August 28-December 16 | Fall Semester |
| September 4 | Labor Day, Holiday |
| September 9* | Last Day to Drop Classes Without "W" (with Enrollment/Tuition Refund) |
| September 10* | Last Day to Drop Classes without "W" (without Enrollment/Tuition Refund) |
| October 27 | Last Day to Withdraw from Classes/College |
| November 10 | Veterans Day, Holiday (observance) |
| November 23-25 | Thanksgiving Vacation |
| December 8 | Last Day to Petition for Pass/No Pass Grading |
| December 9 | Last Day of Instruction |
| December 11-16 | Final Examinations |
| December 16 | Fall Semester Ends |
| December 17 -January 21 | Winter Vacation |
| December 22-30 | Christmas Day, Holiday |
| January 1 | New Year's Day, Holiday |

**Spring Semester, 2024**

| | |
|---|---|
| January 15 | Martin Luther King, Jr. Day, Holiday |
| January 22-May 18 | Spring Semester |
| February 2 | Faculty and Staff In-Service (1pm-5pm) |
| February 3* | Last Day to Drop Classes Without "W" (with Enrollment/Tuition Refund) |
| February 4* | Last Day to Drop Classes without "W" (without Enrollment/Tuition Refund) |
| February 16 | Lincoln's Birthday, Holiday Observance |
| February 19 | Washington's Birthday, Holiday Observance |
| March 22 | Last Day to Withdraw from Classes/College |
| March 25-30 | Spring Break |
| May 10 | Last Day to Petition for Pass/No Pass Grading |
| May 11 | Last Day of Instruction |
| May 13-18 | Final Examinations |
| May 17 | Commencement Ceremony |
| May 18 | Spring Semester Ends |
| May 27 | Memorial Day, Holiday |

* Online services only. Last day for in-person service is September 9 (Fall)

# BOARD OF TRUSTEES

The seven members of the Santa Barbara Community College District Board of Trustees are elected by District voters for four-year terms and represent prescribed areas within the District.

The following dedicated community citizens are currently serving as District trustees (month/year after each name indicates date of initial election/appointment):

Jonathan Abboud *(December 2014)*
Marsha S. Croninger *(December 2010)*
Anna Everett *(December 2020)*
Veronica Gallardo *(December 2012)*
Dr. Charlotte Gullap-Moore *(December 2022)*
Robert Miller *(February 2018)*
Ellen Stoddard *(December 2022)*
Dr. Erika Endrijonas, Secretary to the Board *(August 2023)*

Board members directly represent the people of the District in determining broad general policies and making decisions which govern the total operations of the District and Santa Barbara City College.

The board meets at 4 p.m. on the fourth Thursday of each month (unless otherwise announced), and meetings are held in the SBCC MacDougall Administration Center.

The meetings are open to the public.

# ADMINISTRATION

Dr. Erika Endrijonas - *Superintendent/President*

Maria Villagomez - *Assistant Superintendent/Vice President, Academic Affairs*

Paloma Arnold - *Assistant Superintendent/Vice President, Student Affairs*

Deneatrice Lewis. - *Interim Assistant Superintendent/Vice President, Human Resources*

Brian Fahnestock - *Interim Assistant Superintendent/Vice President, Business Services*

Carola Smith - *Assistant Superintendent/Vice President, School of Extended Learning*

Amanda Jacobs - *Interim Executive Director of Public Affairs and Communications*

Dr. Dean Nevins - *Executive Director of Information Technology*

## President's Office

**Dr. Erika Endrijonas - *Superintendent/President***

Paulmena Kelly - *Executive Assistant to the President and Board of Trustees*

Amanda Jacobs - *Interim Executive Director of Public Affairs and Communications*

Linda Esparza Dozer - *Title IX and Gender Equity Coordinator*

Vacant - *Senior Director Institutional Assessment, Research and Planning*

## Human Resources

**Deneatrice Lewis - *Interim Assistant Superintendent/Vice President***

Perla Jones - *Interim Director, Human Resources*

## Business Services

**Brian Fahnestock - *Interim Assistant Superintendent/Vice President***

Erik Fricke - *Director, Security and Emergency Response*

Ruie Garnica - *Director, Purchasing*

Paul Miller - *Director, Auxiliary Services*

Rob Morales - *Director, Facilities and Operations*

Rudy Hill - *Controller*

## Information Technology

**Dr. Dean Nevins - *Executive Director, Information Technology***

Thomas Applebay - *Director, Information Technology Administrative Systems*

Jim Clark - *Director, Information Technology User Services*

Jason Walker - *Director, Student Technology Support*

## Academic Affairs

**Maria Villagomez - *Assistant Superintendent/Vice President, Academic Affairs***

Dr. Jens-Uwe Kuhn - *Dean*

Dr. Elizabeth Imhof - *Dean*

Michael Medel - *Dean*

Dr. Alan Price - *Dean*

Dr. Elizabeth Taylor-Schott  - *Dean*

LaDeane Hansten -  *Director, Athletics*

## Student Affairs

**Paloma Arnold - *Assistant Superintendent/Vice  President, Student Affairs***

Christina Llerena - *Dean*

Dr. Christopher Johnson - *Associate Dean*

# ADMINISTRATION - EDUCATIONAL PROGRAMS

## Divisions and Departments

### Business Education Division
Michael Medel, Dean

| Department | Chairperson |
| --- | --- |
| Accounting, Finance | Cornelia Alsheimer-Barthel, Laura Woyach |
| Business Administration, Management, Real Estate, Marketing, International Business | Julie Brown |
| Computer Information Technologies, Computer Network Engineering | Angel Cardenas, Mohammad El-Soussi |

### Cosmetology Academy
Alan Price, Dean

| Department | Chairperson |
| --- | --- |
| Cosmetology Academy | Sarah Jackson |

### English Division
Elizabeth Imhof, Dean

| Department | Chairperson |
| --- | --- |
| English | Eileen Vlcek-Scamahorn |

### Fine Arts Division—Humanities
Elizabeth Imhof, Dean

| Department | Chairperson |
| --- | --- |
| Art | Stephanie Washburn |
| Film and Media Studies | Nicolas Maestu |
| Music | Nathan Kreitzer |
| Theatre Arts | Patricia Frank and Katie Laris |

### Fine Arts Division—Media Arts
Michael Medel, Dean

| Department | Chairperson |
| --- | --- |
| Film and Television Production | Curtis Bieber |
| Graphic Design and Photography | Seantel Sanders and James VanArsdale |
| Journalism | Darlene Principe |
| Multimedia Arts and Tehnology | Alejandra Jarabo |

### Health/Human Services Division
Alan Price, Dean

| Department | Chairperson |
| --- | --- |
| Addictive Disorders Counseling | Leida Tolentino |
| Allied Health (EMT and Medical Terminology/CNA) | N/A Contact Dean Alan Price |
| Associate Degree Nursing | Mary Sullivan |
| Cancer Information Management (CIM), Health Information Technology (HIT) | Lynette Williamson |
| Early Childhood Education, Pre-Education | Devona Hawkins |
| Medical Imaging Sciences | Bruce Oda |
| Orfalea Early Learning Center | Elisabeth Rizo, Director |
| School of Justice Studies | Anne Redding |
| Vocational Nursing | Rosette Strandberg |

### Mathematics Division
Jens-Uwe Kuhn, Dean

| Department | Chairperson |
| --- | --- |
| Mathematics | Jennifer Loftus |

### School of Modern Languages/English as Second Language Division
Beth Taylor-Schott, Dean

| Department | Chairperson |
| --- | --- |
| English as a Second Language | Marit Ter Mate-Martinsen |
| School of Modern Languages | Laura Gardinali |

### Physical Education Division
Michael Medel, Dean

| Department | Chairperson |
| --- | --- |
| Physical Education, Health Education and Recreation | Kathleen O'Connor |

### Sciences Division
Jens-Uwe Kuhn, Dean

| Department | Chairperson |
| --- | --- |
| Biological Sciences | Peter Aguilar |
| Chemistry | Eric Bullock |
| Computer Science | Salmaun Masooman |
| Earth and Planetary Sciences, Geography | Sean Kelly |
| Environmental Studies | Michelle Paddack |
| Physics, Engineering | Michael Young |

### Social Science Division
Elizabeth Imhof, Dean

| Department | Chairperson |
| --- | --- |
| American Ethnic Studies | Thomas Carrasco |
| Communication | Sarah Hock |
| History | David Elliott |
| Philosophy | Christopher Kramer |
| Political Science, Economics, Global Studies | Andrea Haupt |
| Psychology | Stan Bursten, Leida Tolentino |
| Anthropology | Phyllisa Eisentraut |
| Sociology | Patrick O'Brien and Jill Stein |

### Technologies Division
Alan Price, Dean

| Department | Chairperson |
|---|---|
| Automotive Service and Technology | Russell Granger |
| Construction Technologies | Timothy Palmer |
| Environmental Horticulture | Michael Gonella |
| Drafting, CAD, Interior Design | Armando Arias del Cid |
| Marine Diving Technologies, Water Science | Geoff Thielst |
| School of Culinary Arts and Hotel Mgmt | Charles Fredericks |

### Noncredit Programs

Carola Smith, Assistant Superintendent/Vice President, School of Extended Learning

| | |
|---|---|
| Adult High School | Monica Campbell, Interim Director |
| Career Skills Institute | Jeanette Chian, Dean |
| GED/Bilingual GED | Monica Campbell, Interim Director |
| Health and Safety | Rachel Walsh, Interim Director |
| Home Economics | Rachel Walsh, Interim Director |
| Noncredit ESL | Monica Campbell, Interim Director |
| Older Adults | Rachel Walsh, Interim Director |
| Parenting | Monica Campbell, Interim Director |
| International Student Support Program | TBD |

# Student Support Services

Christina Llerena, Dean

| | |
|---|---|
| Academic Counseling | Jennifer Hamilton |
| Academic/Progress Probation and Dismissal | Christina Llerena |
| Admissions & Records | Interim, Angelica Contreras |
| Articulation Office | Laura Castro |
| CalWORKS | Ramon Borunda |
| Diploma & Certificates | Amanda Neal |
| Dual Enrollment | Angelica Contreras |
| Enrollment & Retention Services | Vanessa Pelton |
| EOPS/CARE | Ramon Borunda |
| Financial Aid | Maureen McRae Goldberg |
| Foster & Kinship Care Education | Judy Osterhage |
| Guardian Scholars | Ramon Borunda |
| Middle College | Regina Freking |
| Registration | Interim, Angelica Contreras |
| Transcript/Records | Interim, Angelica Contreras |
| Transcript Evaluation/Prerequisite Office | Angelica Contreras |
| Parent/Student Liaison | Paloma Arnold |
| Placement/Assessment Office | Sara Volle |
| Scholastic Standards | Interim, Angelica Contreras |
| Student Equity and Achievement Program | Paloma Arnold and Laurie Vasquez |
| Transfer Academy | Angela Warren |
| Transfer Achievement Program | JennyErika Barco Quinonez |

| | |
|---|---|
| University Transfer Center | Angela Warren and JennyErika Barco Quinonez |

Dr. Elizabeth Imhof, Dean

| | |
|---|---|
| College Achievement Program | Jody Millward |
| Honors Program | Danielle Swiontek |
| Multi-Literacy English Transfer Program | Jason File |
| Learning Support Services | Vandana Gavaskar |

Dr. Christopher Johnson, Associate Dean

| | |
|---|---|
| Commencement | Christopher Johnson |
| Dorantes Lecture | Christopher Johnson |
| Disability Services and Programs for Students | Jana Garnett |
| Honor Roll Reception | Christopher Johnson |
| Student Health Services | Lacey Peters and Alyson Bostwick |
| Student Life, Office of | Christopher Johnson |
| Veterans Support Services | Kyle Rasmussen |
| Co-Curricular Budget | Christopher Johnson |
| Student Conduct and Resolution (discipline, grievance, discrimination) | Christopher Johnson |

Dr. Jens-Uwe Kuhn, Dean

| | |
|---|---|
| Center for Sustainability | Adam Green |
| MESA Program | Virginia Estrella |
| STEM Transfer Program | Virginia Estrella |
| Faculty Resource Center | Rob Brown |
| Scheduling Office | Jens-Uwe Kuhn |

Michael Medel, Dean

| | |
|---|---|
| The Channels, Santa Barbara City College Newspaper | Darlene Principe |
| Cooperative Work Experience | Anita Cruse |
| Faculty Professional Development | Justina Buller |
| Personal Development Curriculum | Carmen Rivero and Chris Phillips |

Alan Price, Dean

| | |
|---|---|
| CTE Programs | Alan Price |
| Perkins IV | Alan Price |
| South Central Regional Consortium | Alan Price |

Dr. Beth Taylor-Schott

| | |
|---|---|
| Career Center | Christopher Phillips |
| Library | Ellen Carey |

# GENERAL INFORMATION

## The College

Santa Barbara City College is a comprehensive community college serving the south coast of Santa Barbara County. The college is one of 114 California community colleges organized under the *California Education Code*. As such, it is subject to the decisions of the California Legislature and, as defined by law, the California Community Colleges Board of Governors. It is also responsible to its local constituency through an elected Board of Trustees, which is the principal policy-making body for the college.

Santa Barbara City College offers an extensive program of postsecondary education that is especially responsive to the needs of adults in the local community. A wide range of associate degree and certificate programs are available, as are transfer programs that provide the first two years of study toward the baccalaureate degree. A variety of general educational opportunities, both credit and noncredit, is also available for persons wishing to develop new or expanded occupational skills, or to broaden their cultural perspectives or artistic talents.

Responding to community needs, the college's programs address economic development, on-site workforce training, skills enhancement, job training and lifelong learning opportunities. To serve the diverse needs of students, a broad variety of student services is provided, including academic and personal counseling, financial aid, career guidance and maintenance of academic progress records. Special programs are also available for re-entry students, the physically disabled and the economically disadvantaged.

Students of the college are, for the most part, from the local community. However, the college also attracts many students from throughout the state, as well as national and international locations. Students range in age from under 18 to over 80 years and represent a wide range of ethnic groups.

Santa Barbara City College is especially committed to making its educational programs accessible to cultural, ethnic and age groups who have traditionally been underserved by postsecondary education. Means for achieving this goal include outreach, testing and diagnosis, counseling and placement, developmental education and special retention programs, such as peer counseling, tutoring and financial aid.

The college recognizes that the goals of today's students are as diverse as the students themselves. Hence, SBCC attempts to provide programs compatible with a wide range of goals and to assist in goals clarification when appropriate. Among principal commitments of the college are the broadening of the individual's view of educational possibilities that are available, and assisting students in formulating and carrying out a plan to achieve selected goals.

## Our Vision

Santa Barbara City College strives to build a socially conscious community where knowledge and respect empower individuals to transform our world.

## Our Mission

As a public community college dedicated to the success of each student.

Santa Barbara City College welcomes all students. The College provides a diverse learning environment and opportunities for students to enrich their lives, advance their careers, complete certificates, earn associate degrees, and transfer to four-year institutions.

The College is committed to fostering an equitable, inclusive, respectful, participatory, and supportive community dedicated to the success of every student.

## Our Core Principles

Santa Barbara City College's core principles guide all aspects of instruction, organization and innovation:

- Student-centered policies, practices and programs
- Participatory governance
- A psychologically and physically supportive environment
- Free exchange of ideas across a diversity of learners
- The pursuit of excellence in all college endeavors

## Our Charter

Santa Barbara City College's mission and core principles honor our commitment to the spirit and intent of the foundational framework of the California Community Colleges, as described in California Education Code §66010.4:

- *Primary Mission: Academic and vocational instruction at the lower division level; advancement of California's economic growth and global competitiveness through education, training and services.*
- *Essential and Important Functions: Remedial instruction, ESL, adult noncredit instruction (in areas defined as being in the state's interest), and student support services.*
- *Authorized Function: Community services courses.*

## Institutional Learning Outcomes

Santa Barbara City College is committed to ensuring that all students who complete its programs acquire the core skills and competencies needed to be successful in their academic, career and personal pursuits. The Institutional Student Learning Outcomes state the competencies in General Education and personal and career development that students acquire by completing a program of study at SBCC.

As students follow a program of study at SBCC, they participate in performance assessments through examinations, portfolios and other activities that provide information about their proficiency in each of these outcomes. The data collected are used to document and improve student learning and the attainment of the Institutional Student Learning Outcomes.

### Critical Thinking, Problem-Solving and Creative Thinking

Students will be able to define issues, problems, assumptions, or questions; collect relevant information in response to a question or issue; analyze and draw valid conclusions from statements, images, data and other forms of evidence; and assess the consequences of their conclusions.

1. Define the issues, problems, assumptions, or questions being addressed.
2. Collect and analyze data and relevant information including that derived from different sources and alternative research.
3. Distinguish facts from opinions and biases.

4. Draw insights from multiple reliable sources of information to create solutions to problems and identify possible consequences of those solutions.

5. Use valid evidence and sound reasoning to support conclusions drawn about issues, problems, assumptions, or questions.

## Communication

Students will demonstrate communication skills in reading, writing, listening, and speaking in order to exchange information, ideas, findings, or opinions effectively across disciplines and for varied audiences, with or without assistive devices or persons.

1. Read texts (visual, auditory, or tactile) critically in order to participate in academic discourse.

2. Employ the conventions of standard English to create original texts that clearly communicate ideas and information.

3. Orally communicate clear, well-founded and developed ideas in an organized manner.

4. Attend to, interpret, and respond to verbal and nonverbal communication.

5. Recognize and interpret forms of visual or observable communication such as images, diagrams, film and video.

## Quantitative Analysis and Scientific Reasoning

Students will be able to analyze, estimate, use and evaluate quantitative information using words, graphs and symbols, as well as apply scientific methods to questions regarding observable natural, physical and social phenomena.

1. Apply quantitative and qualitative skills to the interpretation of data.

2. Use graphs and symbols to describe mathematical relationships and to establish sound arguments supported by accurate quantitative evidence.

3. Apply mathematical concepts to solve problems.

4. Employ scientific methods to form and test hypotheses.

5. Distinguish empirical evidence from speculation.

## Social, Cultural, Environmental and Aesthetic Perspectives

Students will be able to demonstrate knowledge of significant social, cultural, environmental and aesthetic perspectives.

1. Describe how the interaction among social, economic, political, cultural, environmental, and historic factors affects the individual, society and the environment.

2. Explain how culture influences different beliefs, practices and peoples.

3. Recognize the contributions of fine arts, visual arts, literature and performing arts in influencing the human experience.

4. Recognize the social and ethical responsibilities of the individual in society, explaining the value of choosing to interact with respect in differing cultural contexts.

## Information, Technology and Media Literacy

Students will be able to locate, evaluate, synthesize and use multiple forms of information employing a range of technologies.

1. Strategically search for, select, and evaluate multiple formats and sources of information for their authority, accuracy, credibility and relevance.

2. Effectively use technology to find, analyze, integrate, create and communicate information and ideas.

3. Critically evaluate how information is created, communicated and valued in textual, visual, aural and tactile formats in different disciplines.

4. Identify the legal, ethical, social and economic rights and responsibilities associated with the creation and use of information in various media and formats.

## Personal, Academic and Career Development

Students will be able to assess their own knowledge, skills, and abilities; set personal, educational and career goals; work independently and in group settings; and identify lifestyle choices that promote self-reliance and physical, mental and social health.

1. Develop, implement and evaluate progress toward achieving personal, academic, career and lifelong learning goals.

2. Demonstrate personal responsibility for choices, actions and consequences, including but not limited to attending classes, being punctual, and meeting deadlines.

3. Work effectively and civilly with others, respecting cultural, gender, and other group and individual differences.

4. Identify and use appropriate resources to find answers, make choices, or solve problems.

# Accreditation

Santa Barbara City College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges, located at 10 Commercial Blvd., Suite 204, Novato, CA 94949, (415) 506-0234. The ACCJC is authorized to operate by the U.S. Department of Education through The Higher Education Opportunity Act of 2008. Accreditation materials (http://www.sbcc.edu/accreditation/) are available for review online.

# History

Santa Barbara City College was established by the Santa Barbara High School District in 1909, making it one of the oldest community colleges in California. The college was discontinued shortly after World War I, and its work largely taken over by the Santa Barbara State Normal School, which became the Santa Barbara State College and, later, the University of California, Santa Barbara.

SBCC was reorganized by the high school district in the fall of 1946. Called Santa Barbara Junior College from its inception, the Santa Barbara Board of Education formally changed the name to Santa Barbara City College in July 1959.

Also in the summer of 1959, the institution moved to its present and permanent location on the Santa Barbara Mesa, former site of the University of California, Santa Barbara. Situated on a 74-acre bluff, the campus overlooks the harbor and Pacific Ocean. Passage of a 1969 construction bond issue and a 1973 land acquisition bond issue ensured that the college would have a single, consolidated Mesa campus.

In 1965, the Carpinteria Unified School District was annexed to the Santa Barbara Junior College District. That same year, the Santa Barbara Junior College District became a separate governing authority under the control of its own popularly elected Board of Trustees. On July 1, 1971, the name of the district was changed to Santa Barbara Community College District.

Since its reorganization following World War II, college growth has been rapid—both in enrollment and course offerings. Santa Barbara City College currently serves approximately 20,000 students each semester who enroll in credit and noncredit courses for transfer preparation, career education and foundational skills, and an additional 3,800 enroll in fee-based lifelong learning classes each semester.

## Location

Students at Santa Barbara City College are privileged to study in one of the most beautiful locations in the world. Santa Barbara is a city of 90,000 people, located on California's picturesque south-central coast —"where the mountains meet the sea." Devoid of heavy industry, it is renowned as a cultural and educational center.

Santa Barbara is far enough away from California's big cities to avoid the characteristic hectic pace and congestion—yet close enough to partake in their many cultural advantages.

Nearly half of Santa Barbara's streets terminate along one of the nation's loveliest white sand beaches. Many other roads lead to the gently sloping foothills of the Santa Ynez mountain range, where travelers are treated to superb views of the city and the offshore Channel Islands. Santa Barbara's early California architecture, abundant flora and mild year-round climate in addition to mountains, sea and sand—make for a unique atmosphere in which to live and study.

In addition to the main campus on the Mesa, Santa Barbara City College has two additional campuses: the Alice F. Schott campus located at 310 W. Padre St., Santa Barbara, CA 93105, (805) 687-0812; and the Selmer O. Wake campus located at 300 N. Turnpike Rd., Santa Barbara, CA 93111, (805) 964-6853.

## National Co-winner for Community College Excellence

Santa Barbara City College was the 2013-2015 national co-winner of the prestigious Aspen Institute Prize for Community College Excellence. The college was recognized by The Aspen Institute for its quality and focus in four areas: facilitating underrepresented and minority student success, student learning outcomes, degree completion and transfer rates, and labor market success in securing good jobs after college.

## Completion and Transfer Rates

Federal Student Right-to-Know regulations require publication of college completion and transfer rate data. The statewide percentages for all California community colleges, based on the most recent cohort of Fall 2017 students, are:

| Completion Rate | 33.67% |
|---|---|
| Transfer Rate[1] | 9.74% |

Santa Barbara City College's rates, based on the most recent cohort of Fall 2017 students, are:

| Completion Rate | 41.67% |
|---|---|
| Transfer Rate[1] | 14.91% |

[1]  Transfer rates are incomplete since transfer students who also complete degree and certificate degrees are not included in the transfer numbers. See the Student Right-To-Know Rate Disclosure Website (http://srtk.cccco.edu/) for additional information on how these rates are calculated, and the merits and limitations of the measurements.

## Student Retention Rate

In compliance with Chapter I of Title 45 of the *Code of Federal Regulations*, Part 178.4(f), data regarding student retention and enrollment patterns may be obtained by contacting Melanie Rogers, Analyst, Institutional Assessment, Research and Planning, at rogers@sbcc.edu.

## Santa Barbara City College Foundation

The SBCC Foundation has provided Santa Barbara City College with private philanthropic support since 1976, serving as the vehicle through which individuals and organizations may invest in the college and its students.

As an independent 501c3 nonprofit organization and partner to SBCC, the SBCC Foundation awards more than $5 million annually for student success programs, scholarships, book grants, emergency funds, and other critical needs of the college. For more than 45 years, the resources raised and managed by the SBCC Foundation have supported SBCC students as they prepare for careers, transfer to four-year universities, and pursue lifelong learning goals.

In 2016, the Foundation launched the SBCC Promise, offering all recent, local high school graduates the opportunity to attend SBCC full-time at no cost. The SBCC Promise relies entirely on private support and covers all required fees, books, and supplies for up to two years. To date, more than 5,000 local students have participated in the SBCC Promise. By removing financial barriers, the SBCC Promise ensures that SBCC's life-changing educational programs are fully accessible to all local students.

For more information, visit www.sbccfoundation.org (https://www.sbccfoundation.org/)

## School of Extended Learning

School of Extended Learning (http://www.sbcc.edu/extendedlearning/) programs are designed for adult learners seeking to advance their career or life skills. Most Extended Learning programs are tuition-free and include Adult High School/GED, English as a Second Language, Career and Vocational Skills, Courses for Older Adults, Home Economics, Parenting, and Health & Safety. These programs can provide pathways for students to advance to the credit division of SBCC and/or obtain employment. In addition to tuition-free programs, Extended Learning offers fee-based programs in life enhancement subjects such as Cooking, Culture, Travel, Fitness, Recreation, Do-It-Yourself, Languages, and Spirituality. Courses at the School of Extended Learning are largely offered at our Wake and Schott campuses.

## Catalog Updates

Board policies, administrative procedures and regulations, courses and schedules described in this publication are subject to change at any time without prior notice. The college reserves the right to alter fees, statements and procedures contained herein. Further fees and regulations are subject to change at any time by the State Legislature. In addition, administrative procedures may be updated/revised and approved by the Superintendent/President. See the college's website on Board Policies and Administrative Procedures (http://www.sbcc.edu/policies/), for the most current Board Policies and Administrative Procedures for the college.

It is the student's responsibility to meet and remain informed of college requirements. When changes occur, they will be updated in the next regular publication of the Class Schedule, College Catalog and/or December Catalog addendum as well as updated on the college website.

## Public Information

Requests for documents under the *Public Records Act* should be directed to the Office of Communications (https://www.sbcc.edu/officeofcommunications/).

# ADMISSIONS

## College Admission

Admission to Santa Barbara City College is governed by the laws of the State of California and such supplementary regulations as have been prescribed by the Santa Barbara Community College District Board of Trustees. Citizens of other countries and out-of-state (non-resident) students are required to pay international or non-resident tuition as well as enrollment fees.

## Open Enrollment

It is the policy of the Board of Trustees of the Santa Barbara Community College District that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the district, shall be fully open to enrollment and participation by any person who has been admitted to Santa Barbara City College and who meets such prerequisites as may be established, pursuant to section 55003 of Division 6 of Title 5 of the *California Code of Regulations*.

## Graduates of High Schools

Graduates of high schools, or equivalent, are eligible for admission and may undertake any program of study for which they are prepared.

## Persons 18 years of Age or Older

Persons 18 years of age or older who have not received a high school diploma, or equivalent, may be admitted to the college if they can reasonably profit from instruction.

## High School Students (9th Grade or Higher): Dual Enrollment Program

Students enrolled in a public or private school who are eligible for ninth (9th) grade or higher may apply and concurrently register in up to 11.9 units of college-level courses at Santa Barbara City College through the Dual Enrollment Program.

Course prerequisites apply. Some courses are not available to concurrently enrolled high school students. The student must have a recommendation from his/her principal or high school counselor and a Parent Consent Form on file.

In accordance with Education Code Section 76001, special part-time K–12 students enrolled in the secondary schools and attending SBCC (enrolled up to and including 11.9 units) are exempt from paying the enrollment fee. Special full-time K–12 students (12 units and above per semester) may not be exempt from the enrollment fee and are subject to paying the enrollment fee for all the units; they may, however, be individually considered for the California College Promise Grant fee waivers, part A, B or C. Those students who are enrolled in 12 units and above per semester and who do not qualify for a California College Promise Grant fee waiver will be required to pay the enrollment fee for all units. Non-resident Dual Enrollment students are exempt from paying non-resident tuition for credit courses during any semester or term in which he/she is enrolled in 11.9 or fewer units while attending a California high school. This exemption does not apply to special K-12 students enrolled in 12 units and above per semester.  This exemption does not apply to categories of students who would be precluded from qualifying for the AB 540 nonresident tuition exemption. High school students who

are concurrently registered in courses given ON the SBCC campus must pay the transportation and health fees.

Dual Enrollment students must complete an online admissions application (http://www.sbcc.edu/apply/) and additional approval forms. Dual Enrollment approval forms are available through students' high school counselors, SBCC's Admissions & Records and on the Apply and Enroll website (http://www.sbcc.edu/apply/).  Students attending a 9–12 grade home school must attach a copy of the Home School Affidavit to the Dual Enrollment Approval Form. Contact Dual Enrollment at (805) 965-0581 ext. 8170 or for more information visit the Dual Enrollment website (http://www.sbcc.edu/dualenrollment/).

## College and Career Access Pathways (CCAP)

In December of 2020, SBCC in partnership with the Carpinteria and Santa Barbara Unified School Districts agreed to the terms of a College and Career Access Pathways Dual Enrollment partnership.  The agreement expands dual enrollment opportunities for students to enroll into college courses taught on the high school campuses. The agreement is consistent with the provisions of AB 288, for high school students who may not already be college bound or who are underrepresented in higher education with the goal of developing seamless pathways from high school to community college for career technical education or preparation for transfer, improving high school graduation rates, and helping high school students to achieve college and career readiness. To view the full agreement visit www.sbcc.edu/dualenrollment (http://www.sbcc.edu/dualenrollment/)

## Middle College

Through Alta Vista Alternative High School's Middle College at SBCC, a limited number of local high school students who want to earn a high school diploma in the SBCC environment may complete their high school graduation requirements through an Independent Study program while also taking classes at SBCC. The curriculum is rigorous and relevant and complemented by individualized support.  Middle College is designed to equip students for a smooth transition to college by helping students develop critical thinking, time-management and self-advocacy skills. Acceptance into the program is determined by the on-campus instructors through an application process. Contact Regina Freking at freking@sbcc.edu, or (805) 897-3561.

## Special Admit Students

*Persons less than 18 years of age who do not plan to be enrolled in a secondary school program*, and who are eligible to enter ninth (9th) grade or higher, may petition the Director, Admissions & Records, to register as a Special Admit Student. Special application procedures and documentation requirements apply. Petitions must be filed at least fourteen (14) days prior to the start of the semester. Interested persons should contact the Director, Admissions & Records at (805) 730-4001/ Student Services 110.

Persons not eligible to enter ninth (9th) grade or higher may petition the Director, Admissions & Records  to register as a Special Dual Enrollment Student. Special application procedures and documentation requirements apply. Petitions must be filed at least fourteen (14) days prior to the start of the semester. Interested persons should contact the Director, Admissions & Records (805) 730-4001/Student Services 110.

# Out-of-State Students

Out-of-state students may be admitted to the college on the same basis as California residents except that they will be required to pay non-resident tuition, as well as enrollment fees, prescribed by the Board of Trustees to cover the costs of instruction. After a student has been physically present in California for one year and has manifested clear intent to become a California resident, the student may apply for reclassification as a California resident. State law requires consideration of financial independence for students seeking reclassification. It is the student's responsibility to substantiate his or her claim for residency. Visit the Residency website (http://www.sbcc.edu/residency/) for more information.

# International Students: Other than F-1 or M-1 Visa

Students on visas other than F-1 or M-1 will be evaluated for eligibility and for residency status based on the type of visa, visa issuance and expiration date, length of stay in California, and intent to maintain California as their permanent home.

# International Students: F-1 or M-1 Visa Admission Requirements

1. Application deadlines:
    a. *Fall Semester*: June 15 (New) July 1 (Transfer)
    b. *Spring Semester*: November 1 (New) November 15 (Transfer)
    c. *Summer Session*: May 1
2. Age Requirement
    a. *Students must be 18 years or older by the start of the semester without restrictions.*
    b. *Students 17 years old with H.S. Diploma, Parental Agreement (minors must live with a local host family)*
3. *Confidential Financial Statement*: Verification of funds sufficient to cover expenses while in this country, $12,987 (1 semester) $25,974 (2 semesters), or $30,238 (2 semesters plus summer session). An official bank certification letter issued within the past 6 months verifying the funds must accompany the Confidential Financial Statement Form.
4. *Transcript of School Records*: A complete transcript of all previous high school, English language programs, secondary school and collegiate or university work. Eligibility for admission requires the equivalent of a GPA of 2.0 or better. Transcripts written in a language other than English must be accompanied by an official English translation.
5. Students wishing to enroll in the International Student Academic Program must demonstrate English proficiency. Students wishing to enroll in the English as a Second Language Program (ESL) must take the SBCC English assessment test for placement into the appropriate level.
6. All international students are required to purchase the insurance plan approved by the college. *No other insurance will be accepted*. Students must purchase student insurance at the time of registration. The policy is approximately $1,550 per academic year (subject to change).
7. Submit a Verification of Status Form only if you are transferring from a school within the United States where you attended as an F-1 student. See www.sbcc.edu/international (http://www.sbcc.edu/international/). Students who attend a language school prior to transferring to SBCC must maintain an attendance record of at least 80%.
8. A non-refundable $75.00 application fee, which is payable online, is required for processing the application.

# Rules and Regulations Governing Enrollment of F-1 or M-1 Students

1. All F-1 and M-1 visa students are required to enroll in and maintain 12 or more units per semester (4.0 units for Summer, if initial session) unless they have prior written authorization from the International Student Support Program. Regular attendance in all classes is required for the duration of the semester. Failure to adhere to the requirements will constitute a violation of students&#39; visa status. Authorization for reduced course load will be given only in limited circumstances, as specified by federal regulations. When a student has violated the visa status, the student must apply to the Department of Homeland Security for reinstatement. Until the student is reinstated, the student's ability to travel, work, or transfer is impeded.
2. International students cannot depend on employment for financial support while in the United States. Employment in the U.S. is unlawful unless it is authorized by the Department of Homeland Security. Students are permitted to work on campus up to 19.5 hours per week; however, job opportunities on campus are limited.
3. International students are required to adhere to the same academic standards as other students and are subject to the same rules of probation and disqualification. Failure to make normal progress may result in a violation of visa status.
4. International students are required to pay a $290 tuition fee per unit in addition to an international tuition capital outlay fee of $16 per unit and an enrollment fee of $46 per unit (subject to change).

# Program Admission—Supplemental Applications

The following instructional programs require supplemental applications, in addition to the general college application.

## Cosmetology/Esthetician

Acceptance to the Cosmetology Academy is based on the number of spaces available, the postmark date of the completed application and attendance at an SBCC Cosmetology Academy Orientation meeting. Applications are available from the Cosmetology Academy, 525 Anacapa Street, Santa Barbara, CA 93110. For more information, contact Ms. Awanda Johnson at (805) 683-4191, ext. 2, or refer to the Cosmetology Academy (p. 236) in the Department and Course Descriptions section of this *Catalog*.

## Honors Program

To be eligible for the Honors Program students must have a minimum 3.0 cumulative GPA from high school with no grade lower than a "C" in any academic subject. Continuing, returning and transfer students who have completed 12 units or more must also have a 3.0 cumulative GPA, with no grade below a "C" in an academic subject. Students must be eligible for or have completed English 110 and at least Math 107. English and Mathematics placement examinations are part of the SBCC enrollment procedure. Mathematics eligibility for the program may also be met with three years of high school math, including two years of algebra, with grades of "C" or better. It is expected that some potential Honors students will have tested into or satisfied the English 110, Math 117 or 150 by earning a qualifying score on the English AP or IB test or completing English 110, Math 117 or Psychology 150 at SBCC while in

high school. These students should contact the Assessment Office for placement.

The honors program application (http://www.sbcc.edu/ honors/) and a list of courses offered may be found online or from Dr. Mark Bobro, the Honors Program Director.

Official high school or college transcripts must be submitted with the applications. (Continuing students do **not** need to provide an SBCC transcript.) Applications will not be accepted unless they are complete: Application, transcripts, AP/IB scores if necessary, and writing sample must be submitted to the Director. Once admitted, students must maintain a minimum 3.0 cumulative GPA and complete Honors 100— Colloquium to continue in the program.

For more information, refer to the Honors Program (p. 286) in the Department and Course Description sections of this *Catalog.*.

## Marine Diving Technologies

Applicants must submit the *Application for Diving/Hyperbaric Exposure* along with a $50 application fee and Scuba certification card to:

SBCC Marine Technologies Department
721 Cliff Drive, Santa Barbara, CA 93109-2394

Applications are available upon request from the Academic Counseling Center (SS-120). For additional information, contact the Marine Diving Technologies Department (p. 306), (805) 730-4226.

## Radiographic and Imaging Sciences

Special supplemental application procedures and admission criteria apply to this program. Refer to the Radiographic and Imaging Sciences (p. 311) section of this *Catalog* for additional information, or contact the Health Technologies Office, (805) 730-4166.

## School of Nursing: Associate Degree Nursing, Vocational Nursing, Certified Nursing Assistant

Special supplemental application procedures and admission criteria apply to these programs. Refer to the School of Nursing (p. 360) in the *Catalog* Index for additional information, or contact the Health Technologies Office, (805) 730-4166.

# RESIDENCE REQUIREMENTS

Each person applying for admission to, or enrolled in, a California Community College is classified for tuition purposes as either a "resident" or "non-resident" of the State of California. The right of a student to attend any public community college in California as a resident requires that he/she:

1. Be a citizen of the United States, or possess or be an applicant for a permanent-resident, amnesty or other visa status, for a minimum of one year and one day, that does not preclude establishing domicile in the United States and meeting certain requirements.
2. Be at least 19 years of age, and have lived in California one year and one day prior to the residency determination date: Fall 2023—August 27, 2023; and Spring 2024—January 21, 2024. (*Note*: A student, who has not been a resident of California for more than one year and who is the dependent child for income tax purposes of a California resident who has been a resident since the above-noted residence determination date, is entitled to resident classification. Contact Admissions & Records to submit documentation).
3. Have parents or a guardian who have resided in California for one year and one day, if student is younger than 18 years of age.
4. Present evidence showing the student's or the student's parents' (if under 19) intent to make California their permanent home.
5. Manifest residency intent if the student is 19 years of age or over by maintaining a home in California continuously for the last two years, unless there is contrary evidence of intent.
6. Manifest residency intent, if the student is under 19 years of age, by both the student and student's parents maintaining a home in California continuously for the last two years, unless there is contrary evidence of intent.

If manifest intent cannot be shown within #5 and #6 above, then the student is required to provide evidence of intent to make California his or her permanent home. Objective manifestations of this intent include, but are not limited to:

1. Payment of California state income tax as a resident.
2. Registering to vote and voting in California.
3. Licensing from California for professional practice.
4. Showing California as the home address on a federal income tax form.
5. Ownership of residential property or continuous occupancy of rented or leased property in California.
6. Possessing California motor vehicle license plates.
7. Possessing a California driver's license or ID.
8. Maintaining a permanent military address or home of record in California while in the armed services.
9. Establishing and maintaining active California bank accounts.
10. Being the petitioner for a divorce in California.

Military personnel on active duty in California, their spouses and dependent children qualify as immediate residents. (Required documentation must be submitted to Admissions & Records) Other exemptions to tuition for military personnel may be available pursuant to Veterans Access Choice and Accountability (VACA). Contact Admissions & Records for information.

Students on visas will be evaluated for residency based on the type of visa, visa issue date and expiration date, length of stay in California and intent to maintain California as their permanent home.

A student who cannot qualify as a resident of California must pay non-resident tuition, as stipulated by the Board of Trustees of the Santa Barbara Community College District.

*Exemption from non-resident tuition* is available to certain non-resident students who attended a combination of California high school, adult school and California Community College for the equivalent of three years or more and graduated from a California high school or attained the equivalent prior to the start of term (per AB 540 statute). Contact Admissions & Records for information and an exemption request form or visit the Forms website (http://www.sbcc.edu/forms/).

Education Code section 68075.6 grants an immediate nonresident tuition fee exemption to eligible Special Immigrant Visa (SIV) holders and refugee students who settled in California upon entering the United States. This exemption is granted for one year from the date the student settled in California upon entering the United States.

This exemption applies to the following:

- Iraqi citizens or nationals (and their spouses and children) who were employed by or on behalf of the United States Government in Iraq (Pub.L. No. 110-181, § 1244)
- Afghan and Iraqi translators (and their spouses and children) who worked directly with the United States Armed Forces (Pub.L. No. 109-163, § 1059)
- Afghanistan nationals who were employed by or on behalf of the U.S. government or in the International Security Assistance Force (ISAF) in Afghanistan (Pub.L. No. 111-8, § 602)
- Refugee students admitted to the United States under Section 1157 of Title 8 of the United States Code

Further exemptions may be found here (http://www.sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP%205020%20Nonresident%20Tuition.pdf).

*Non-resident students do not automatically become residents by being in California for one year.* A student seeking reclassification from non-resident to resident status must complete and file a residency reclassification packet that includes a statement of financial independence. Student must provide evidence of intent to establish permanent California residency prior to the start of the semester in which the student is seeking reclassification. *Deadline enforced.*

The burden of proof is on the student to clearly demonstrate physical presence in California, intent to establish California residency and, in the case of students changing from non-resident to resident, financial independence from non-resident parents. The Admissions & Records Office shall determine residency of all applicants. Appeals of residency decisions shall be determined by the Chief Student Services Officer or designee.

Students enrolling in coursework through the School of Extended Learning are required to live in the state of California.

# ENROLLMENT

## Registration Procedures

Registration is the process of becoming officially enrolled in college. At Santa Barbara City College, registration for new, transfer and returning students consists of the following steps:

### 1. Submit an Application for Admission

Applications may be submitted online months (Summer/Fall – January; Spring – early October) before you intend to register. All new, transfer and returning students must submit an application for admission and be admitted to the college before they may register in classes. High school students participating in dual enrollment must complete an Admissions Application and Dual Enrollment Approval Form. Refer to the Steps to Enrollment website (http://www.sbcc.edu/apply/) for more information.

Official transcripts of all high school and college work are important documents to have on file for proper counseling/advisement, prerequisite and corequisite review and are required for awarding of degrees. International transcripts must be submitted with an official translation in English.

The following programs ALSO require separate applications or have special admission procedures and/or enrollment deadlines:

- *Cosmetology/Esthetician*
- *Honors Program*
- *Marine Diving Technologies*
- *Nursing: Associate Degree Nursing, Vocational Nursing, Certified Nursing Assistant, Home Health Aide*
- *Radiographic and Imaging Sciences*
- *Dual Enrollment and Middle College*
- *School of Culinary Arts and Hotel Management*
- *Special Admit Students*

For information on:

- *Cosmetology, Esthetician Programs, (805) 683-4191*
- *School of Culinary Arts and Hotel Management, (805) 730-4258*
- *Marine Diving Technologies Program, (805) 730-4226*
- *Radiographic and Imaging Sciences/Diagnostic Medical Sonography and Nursing Programs, (805) 730-4166*
- *Dual Enrollment Program, (805) 730-3020*
- *Middle College, (805) 897-3561*
- *Special Admit Student Status, (805) 730-4001*

Refer to the Admissions and Records website (http://www.sbcc.edu/admissions/application.php#Supplemental) for more information.

When students file their applications with Admissions & Records, they will be given information about the Placement, Orientation and Class Planning. These steps to enrollment are provided to help students succeed in reaching their educational goals.

### 2. Apply for Financial Aid

All students are encouraged to apply for financial aid. Santa Barbara City College offers several types of financial aid, which are funded through federal, state and local agencies and the college itself. Refer to the Financial Aid website (http://www.sbcc.edu/financialaid/), as well as the Financial Aid section of this Catalog.

### 3. Create your Student Portal Account

Log on to the student portal. The student portal allows students to manage various college transactions, including but not limited to: checking your pre-registration requirements, viewing your registration appointment day/time, registering, finding your SBCC I.D., adding and dropping classes, paying fees, seeing grades, activating campus card, and checking your financial aid status and your SBCC email account. All official college correspondence will be sent to your SBCC email account. Refer to the Steps to Enrollment website (http://www.sbcc.edu/apply/) for more information.

### 4. Orientation

Orientation is required for all new and new transfer students who have a goal of earning an Associate Degree, Certificate of Achievement, developing basic English/reading or math skills, or transferring to a four-year college or university. All other students are strongly urged to participate in Orientation. By participating in Orientation, students will learn about college services, programs and enrollment procedures. Options for completing Orientation may be found by visiting the Orientation website (http://www.sbcc.edu/orientation/).

### 5. Placement and Prerequisites
**Math & English assessment tests are no longer required.**
SBCC uses multiple measures, including high school grade point average, coursework, and specific grades for placement into math and English courses that are not English as a Second Language courses. This information is collected when students apply to the college.

After submitting an application for admission to the college, students will receive information regarding English and math placement and prerequisite requirements.

For step by step instructions to locate your English and math placement information, or if SBCC does not have your current high school information, please go to visit the Assessment Center website (https://www.sbcc.edu/assessmentcenter/).

#### Assessment/Placement Alternatives
Students who are not satisfied with their multiple measures placement or feel that their high school data was mis-reported on their application to SBCC can request an alternatives to assessment option as listed below. Students can visit the Assessment website (http://www.sbcc.edu/assessment/) and click on "Alternatives to Testing" or visit the Assessment Center (Student Services Building room 251) to begin the evaluation and review process prior to enrollment.

ENGLISH TEST ALTERNATIVES (http://www.sbcc.edu/assessmentcenter/files/AlternativestoTestingVerificationForm.pdf)

- SAT Scores: Score of 550 or higher on the Evidence Based Reading & Writing (EBRW) section of the SAT exam taken after Spring 2016 OR score of 500 or higher on the Critical Reading section of the SAT exam taken before Spring 2016. (eligibility for ENG 110)

- AP English exam score of 3 or higher (eligibility for ENG 111) *If using this option, do not send in the Alternatives to Testing Verification Form.* Follow these directions for submitting AP scores. *(*https://www.sbcc.edu/teo/advancedplacement.php*)*

- ACT English exam score of 22 or higher (eligibility for ENG 110)

- CSU Early Assessment Program (EAP) English status of "Standard Exceeded." Note: 'conditional ' status not accepted. (eligibility for ENG 110)

- B.A. or B.S. degree from a regionally accredited college or university in the U.S. (eligibility for ENG 111)

- CSU EPT exam score of 147 or higher (eligibility for ENG 110)

- International Baccalaureate (IB) English exam score of 5 or higher (eligibility for ENG 110)

- University of California AWPE exam passage. (eligibility for ENG 110)

- Equivalent English 110 course completed at another college with a grade of "C" or higher. *If using this option, do not send in the Alternatives to Testing Form. Submit  a request for coursework evaluation (*https://www.sbcc.edu/teo/mathenglishform.php*).*

MATH TEST ALTERNATIVES  (http://www.sbcc.edu/assessmentcenter/files/AlternativestoTestingVerificationForm.pdf)

- AP Scores: Score of 3 or higher on the AP Calculus AB exam (eligibility for Math 160) or the AP Calculus BC exam (eligibility for Math 200 or 210) or score of 3 or higher on the AP Statistics exam (clears new student Math assessment hold only). *If using this option, do not send in the Alternatives to Testing Verification Form.* Follow these directions for submitting AP scores. (*https://www.sbcc.edu/teo/advancedplacement.php*)

- CSU Early Assessment Program (EAP) Math status of "Standard Exceeded." Note: 'conditional' status not accepted (eligibility for Math 114, 117, 120, Psy 150 or Soc 125)

- Math course from another college, completed with a grade of "C" or higher. If using this option, do not send in the Alternatives to Testing Verification Form. Submit a request for coursework evaluation. (*https://www.sbcc.edu/teo/mathenglishform.php*)

### Prerequisites, Prerequisites Verification and Corequisites

Many courses at Santa Barbara City College have enforced prerequisites or corequisites, which are noted in the *Schedule of Classes*. All students are required to meet prerequisite and corequisite standards prior to registering in such courses. Prerequisites and corequisites satisfied by SBCC coursework or SBCC assessment will be checked automatically at point of registration. Satisfaction of prerequisites through external course work and/or other means requires submission of official transcripts and a Prerequisite Verification Form. Satisfactory completion of prerequisites and corequisites by internal and external coursework requires a "satisfactory grade". Satisfactory grades are defined as A+, A, A-, B+, B, B-, C+, C or P (*California Code of Regulations*, Title 5, Chapter 6, 55000(l).

Verification forms and instructions may be accessed by visiting the Transcript Evaluation Office website (http://sbcc.edu/teo/).

### Skills Advisory Recommendations

In addition to prerequisites, many Santa Barbara City College courses have recommended minimum math and/or English advisories, which are noted in the *Schedule of Classes*. Advisories have been established as a means of alerting students to the minimum standards recommended for class success. Enrollment in such courses is recommended for students who have met the eligibility level prescribed.

## 6. Class Planning

Class Planning is required of all students who have never attended college or attended while in high school, and who plan to earn an Associate Degree, a certificate or transfer to a four-year college. Class Planning is also strongly recommended for returning students and students transferring to SBCC from another college. Class Planning will assist you in:

- *Learning about SBCC degree requirements*
- *Learning about transfer requirements*
- *Choosing appropriate courses to meet your educational goals*
- *Interpreting English and math assessment test results*
- *Understanding prerequisites and skills advisories*
- *Understanding registration procedures*
- *Developing a Student Education Plan based on your educational goals, study skills, work and personal responsibilities*

If you are transferring from other colleges or universities you should confirm that your official college transcripts are on file with Admissions & Records, by reviewing your Student Portal account prior to meeting with a counselor. Alternatively, you may bring unofficial copies to the advising session.

Visit Academic Counseling for more information: https://sbcc.edu/counselingcenter/classplanning.php

## 7. Register in Classes (https://sbcc.edu/admissions/register.php)

Following Assessment, Orientation and Class Planning, students will have sufficient information to register in classes. Registration is available online and in person in Admissions & Records (SS-110). Priority registration requires an assigned appointment, which is visible in the student portal. No appointment is required during open registration.

During the first two weeks of the semester (first week in Summer) students may make changes and/or add courses to their schedule with permission from the instructor. Please see each course reference number (CRN) listed in the *Schedule of Classes* for deadlines.

### Late Registration

Once a class closes or the course start date begins, classes may only be added by obtaining an add authorization code  from the instructor through the last day to add deadline.

1. Full semester-length Fall/Spring classes must be added with instructor permission and add authorization code by the end of the second week of the semester.
2. Fall/Spring courses less than full semester in length and all Summer courses must be added prior to the 20% length of the class. Find the "last day to add" deadline by clicking on the course reference number (CRN) listed in the *Schedule of Classes*.

An instructor may refuse to admit a late registrant when the total number of class hours missed by the student exceeds the number of hours the class meets in one week; when the work missed cannot be made up; when the class is full; or when normal progress in the course would be impossible or unsafe. Special instructions for late registration are available from Admissions & Records.

Students who miss the last day to add deadline for a course due to extenuating circumstances may submit a Petition for Late Add to Admissions & Records. In order to be eligible for consideration of a late

add, a student must have begun attending the course prior to the last day to add deadline. Instructor approval and signature is required for consideration. The final deadline to submit a Petition for Late Add is the end of the 4th week of the semester for full semester-length classes (25% length of the class for classes less than full semester in length).

Throughout the enrollment process (including class adds, drops and withdrawals), certain deadlines are established. These deadlines are necessary in order to comply with State of California attendance regulations and must be complied with by all students. Failure to comply with these deadlines may mean that the student will not be registered and will not receive credit for, or be allowed to attend, classes.

## 8. Final Steps
### Paying Fees
Students are encouraged to pay fees at time of registration. Payment must be received within seven (7) days of registration or students may be dropped for non-payment. Students will not be dropped for non-payment after instruction has begun. Students finding it difficult to pay enrollment fees should visit the Financial Aid Office at (SS-210) or visit the Financial Aid website (http://www.sbcc.edu/financialaid/) before registering for classes. All fees are subject to change without notice. Refer to the Fees and Refunds section of this *Catalog*.

### Secure Student Identification Card and Arrange Transportation, Parking and Housing
The SBCC photo I.D. card provides access to college services, including computer labs, library and learning resources center, and serves as a student MTD bus pass for those taking credit classes on the SBCC campus. Additionally, you may select to use your SBCC photo I.D. as a Campus Card, which may be used as a cash card for select campus services. Obtain your SBCC photo I.D. card in Office of Student Life (Campus Center, Room 217). Photo I.D. is required prior to issuance of the SBCC photo I.D. card.

The Office of Student Life (Campus Center, Room 217) maintains listings of available rooms, apartments, and room and board situations in the community. For housing information, visit the Housing website (http://www.sbcc.edu/housing/).

Parking permits are required in order to park vehicles on campus, with the exception of Pershing Park. Parking fines will be issued for parking violations. For parking and transportation information, visit the Business Services website (http://www.sbcc.edu/businessservices/).

### Purchase Books
Students are expected to purchase all textbooks, supplies and uniforms, as needed for instruction. Most materials may be purchased through the Campus Store. Textbooks may be purchased or reserved for pickup by visiting the Campus Store website (https://www.sbccbooks.com/).

### Class Attendance
The last step of enrollment will be completed upon attendance at the first class meeting. Students who are not in attendance at the first class meeting are considered "no-shows" and the instructor may drop such persons in order to give their seats to non-registered students seeking to enroll. Also, an instructor may withdraw a student from semester-length courses at any time for excessive absence through the 9th week of the Fall/Spring Semesters, and 60% point of the class for Summer and courses less than a semester in length. As a guideline, absence is considered excessive if a student misses three (3) class meetings or the equivalent of one week of class attendance, or according to absence guidelines as published in the course syllabus.

Absence due to a verified illness may be accepted as an excused absence for a limited period of time. Students are expected to notify their instructor by e-mail and/or phone message if they are absent for a medical reason. Students are expected to make appointments for medical and dental treatments at times other than when classes are scheduled. Students anticipating or encountering extended absences due to medical, personal or family emergencies should contact the Dean, Student Affairs, Room SS-260, (805) 730-4078.

It is the student's responsibility to officially withdraw by stated deadlines either online or in person in Admissions & Records. Students failing to officially withdraw by the deadline may receive an "F", "FW" of "NP" grade.

## Dropping a Class
It is the student's responsibility to officially withdraw by stated deadlines either online or in person in Admissions & Records. Students failing to officially withdraw by the deadline may receive an "F", "FW" of "NP" grade. Please follow the instructions on the Admissions and Records website (https://www.sbcc.edu/admissions/register.php) for dropping a class.

# Noncredit Course Registration
For detailed information regarding the steps to enrollment for SBCC Noncredit Educational Programs, visit the Apply and Enroll page and select *School of Extended Learning*.

# FEES AND REFUNDS

Students are encouraged to pay fees at the time of registration. Payment must be received within seven (7) calendar days of registration or you may be dropped for non-payment of fees. Students will not be dropped for non-payment after instruction has begun. As the student, you are responsible for dropping classes by the stated deadlines. If you register in a class and later change your mind, it is your responsibility to drop the class. Students finding it difficult to pay enrollment fees should visit the Financial Aid Office (SS-210) or visit the Financial Aid website (http://www.sbcc.edu/financialaid/) before registering for classes. All fees are subject to change at any time by action of the State Legislature, Board of Governors of the California Community Colleges or District Board of Trustees.

## Student Enrollment Fee

Santa Barbara City College charges a state-mandated Student Enrollment fee of $46 per unit to all enrolled students. The State of California, through its Board of Governor's Financial Assistance Program, provides fee credits, fee waivers, and special California College Promise Grants to help defray the cost of the Student Enrollment fee. Information on eligibility requirements and application deadlines, as well as application forms, are available on the Financial Aid website (https://www.sbcc.edu/financialaid/?page=1) (SS-210).

## Nonresident Tuition and Capital Outlay

No tuition is charged to legal residents of California.  In 2023-2024, students who have not been residents of California for one year or longer, prior to the beginning of a term, are required to pay a Nonresident Tuition fee and a Capital Outlay fee per each enrolled unit, in addition to the $46 Student Enrollment fee.  Non-resident tuition for Fall and Spring 2023-2024 is $351 per unit and the non-resident Capital Outlay fee of $22 per unit. The Non-resident Tuition and Capital Outlay fees are charged to students who are residents of other states, who are foreign nationals or who have taken legal residence in California for less than one year. Residency status is determined by the Office of Admissions and Records (https://www.sbcc.edu/admissions/).  Tuition for international students is the same as non-residents, however international students may be required to pay additional fees. Visit the International Students website (http://www.sbcc.edu/international/) for more information.

## Tuition/Enrollment Fee Refund

Refunds are not automatic; students who officially withdraw from a course by the stated course deadlines for a full refund will receive a credit toward future fees for the full amount of enrollment fees paid for those classes. Check your Schedule/Bill for deadline dates. Credits on your student account will first be applied to any outstanding charges; remaining credit balances may be left on your student account for future course registration or are eligible for a refund. Students who prefer to receive a refund of their credit may complete a Request for Refund Form (http://www.sbcc.edu/fiscalservices/cashier/Refund.php). A $10 per semester processing fee will be deducted from enrollment fee refunds. (The charge does not apply to classes cancelled by the college.) If classes are dropped after the first two weeks of the Fall or Spring semester or after the Summer semesters, the mandatory fees are not eligible for a refund: Health Services, Student Representation, Transportation and Student Activity Pass.

## Health Services Fee

All students are required to pay a health services fee of $23 per Fall and Spring semester and $19 per Summer 2023 semester. Many health and wellness services are available free or at low cost through the Health & Wellness Office (https://www.sbcc.edu/healthservices/) (SS-170) or online through *Ask A Nurse*. Students who depend exclusively upon prayer for healing in accordance with teachings of a bona fide religious sect, denomination, or organization, those students in apprenticeship programs and dual enrollment students enrolled in off campus courses, may be exempted from paying the health services fee. Refer to the Cashier's website (http://www.sbcc.edu/fiscalservices/cashier/current_fees.php) for further information or complete a Petition for Health services Fee Exemption (https://www.sbcc.edu/fiscalservices/cashier/files/root-move/Petition%20for%20Health%20Fee%20Exemption%20-%20Paper%20Form.pdf). Requests must be received within the first two weeks of Fall and Spring semesters and within the first week of Summer semesters.

## Parking Permits

Any student who intends to park a vehicle on campus must register their vehicle and purchase a parking permit. Parking permits are not required for mopeds and motorcycles. Prices include shipping, handling, postage and applicable credit card processing fees.  All Day/Evening permits are  $33.95 and Evening-Only permits are $18.95 per Fall and Spring semester. California College Promise Grant (CCPG) students are eligible for a reduced All Day/Evening permit of $23.95 per semester and are limited to one (1) purchase at the reduced rate. Any additional permits are available at the standard permit purchase price. Permits for each Summer semester are $18.95. Parking permits are non-transferable, and parking fees are only refundable to students who return permits prior to the first day of the semester. Lost/stolen permits will not be replaced. Purchasing a parking permit does not guarantee a parking space. Parking permits may be purchased online through the Student Portal.

## Student Transportation Fee

All students enrolled in an on-campus class and all students enrolled in online only course(s) and reside within the Santa Barbara District are required to pay a Student Transportation fee during registration. This fee is $32.00 per Fall and Spring semester for students enrolled in 6 units or more; $31.00 for students enrolled in fewer than 6 units per Fall and Spring; and $23.00 per Summer semester. The Student Transportation fee entitles a student to unlimited use of local community bus service by swiping your valid student identification card, CampusCard. If your Student Transportation fee has not been paid, the card will not be valid for ridership, regardless of current enrollment.  Fall Semester passes are valid seven days prior to the start date of Fall classes through seven days before the start of spring classes. Spring Semester passes are valid seven days prior to the start of Spring classes until the last day of final examinations for spring. Summer passes are valid seven days prior to the start of the Summer semester until the last day of final examinations for the semester. Students enrolling only in distance learning and residing outside of the District are exempt from paying the Student Transportation Fee. A refund is only issued if all eligible course(s) have been dropped within the first two weeks of Fall and Spring semesters or the first week of Summer semesters.  No refunds are available after this date.

## Student Activity Pass Fee

Students are expected to pay a Student Activity Pass fee at the time of registration. The fee is $8 per Fall and Spring.  Summer semesters are excluded. This pass entitles students to free admission to numerous college events, in addition to discounts from the Campus Store (excluding textbooks/electronics) and businesses in the community.  Students may opt out of this fee at the time of registration and within the first two weeks of classes on their Student Portal. No refunds are available after this date.

## Student Representation Fee

A representation fee of $2 per student per semester was established by election of the student body. The money collected through this fee provides support for students and/or representatives who state positions and viewpoints before city, county and district governments and before offices and agencies of local, State and Federal government. It was made possible by Assembly Bill 1358. A student has the right to opt out of the fee within the first two weeks of classes for religious, political, moral or financial reasons, at the time of registration through the Student Portal. No refunds are available after this date. This fee is not covered by most forms of financial aid.

## Instructional Materials Fees

Students may be required to purchase instructional materials for a credit or noncredit course and will be charged alongside their enrollment at the time of registration. Such materials shall be of continuing value to a student outside of the classroom setting. Any instructional material fees are published on the Schedule of Classes. Visit the Course Fees (p. 413) page in this catalog, or visit the *Schedule of Classes* to see which courses require instructional materials fees and see Board Policy and Administrative Procedure 5031 Instructional Materials Fees (http://www.sbcc.edu/policies/).

## Textbook/Lab Supplies

Students are expected to purchase all textbooks, supplies and uniforms, as needed for instruction. Some materials may be purchased through the Campus Store.

## CampusCard Replacement Fee

Campus ID Cards are provided free of charge to all enrolled students at SBCC. Obtaining a CampusCard is optional and recommended. All students must have a valid CampusCard to access the following services: MTD Bus System, Library check-outs, Open-access computer labs, athletic events, college performances, and other campus functions. The first replacement card issued is free. Every replacement card thereafter is a fee of $3.00 and charged to your student account and due immediately; payments may be made directly on your Student Portal. Campus ID Cards are administered and managed by the Office of Student Life. For more information, see their dedicated CampusCard website (http://www.sbcc.edu/studentservices/campus_id.php).

# FINANCIAL AID

Santa Barbara City College offers several types of financial aid to assist students in paying for their education. Funded by the federal government, the State of California, local agencies and the college itself, they include:

- *Grants* based on financial need that do not require repayment. Some grant programs have lifetime limits.
- *Loans* that must be repaid after the student leaves school or drops below half-time enrollment. Borrowing money to pay for college is a serious financial decision.  Be sure you know all the terms and conditions of borrowing before you assume student loan debt.
- *Employment.* The Federal Work Study Program is need based and provides students with an opportunity to earn money to pay for educational expenses. Most positions are on campus and offer flexible hours to work around your class schedule.
- *Scholarships* based on scholastic achievement, financial need and/or student involvement. Students must maintain the scholarship award criteria, or may lose or be required to repay the scholarship.
- *Special Programs.* Some students qualify for benefits through the Veterans Administration, California State Department of Rehabilitation and Bureau of Indian Affairs, among others. Eligibility requirements vary.

For additional information and the most recent updates, refer to the Financial Aid website (http://www.sbcc.edu/financialaid/)*.*

## Where Do You Go to Apply?

Financial aid information and application forms are available on the Santa Barbara City College's Financial Aid website (http://www.sbcc.edu/financialaid/) or at the Office of Financial Aid, Room SS-210, in the Student Services Building. You may apply for federal financial aid online by visiting the FAFSA website (https://studentaid.gov/h/apply-for-aid/fafsa/)*.* Students who qualify for AB-540 residency designation should complete the California Dream Act Application which can be found on  on the California Student Aid Commission website (https://dream.csac.ca.gov).

## When Do You Apply?

Students may begin applying for financial aid as early as December for the subsequent academic year. The Office of Financial Aid will begin reviewing and processing applications for the academic year in the preceding spring and summer. Look for notifications via your SBCC Email. Once your financial aid application is complete, you will receive an aid offer based on your eligibility.  All financial aid applications are reviewed on a "first-come, first-served" basis. So it is important that you apply early.   The earlier you apply, the sooner you will know how much money you are eligible to receive.  Your financial aid application must be complete and you must have received an aid offer to use any assistance to cover your tuition and fee charges.

There are various financial aid deadlines throughout the year that a student is expected to meet. Check the Financial Aid website (http://www.sbcc.edu/financialaid/) for a complete listing of these deadlines*.*

## California College Promise Grant (CCPG)

The California College Promise Grant waives the enrollment fee for qualified California residents and AB540 classified students. Students may be eligible for the California College Promise Grant if:

1. You have been determined to have "financial need" by the Office of Financial Aid after completing a FAFSA or California Dream Act Application;
2. You or your family are receiving Temporary Assistance for Needy Families (TANF), General Assistance, or Supplemental Security Income (SSI) or State Supplemental Program (SSP) aid;
3. Your family's income meets the established guidelines; or
4. You qualify under Special Classifications Enrollment Fee Waivers

Applications and CCPG-related information are available in the Financial Aid Office, Room SS-210, or download the application from the Financial Aid website (http://www.sbcc.edu/financialaid/).

## Federal Pell Grants

A Federal Pell Grant is money provided by U.S. Department of Education for needy students.  Pell Grants are awarded to students with financial need who are working toward an associates degree (including transfer) or selected certificate programs, who have not yet earned their first bachelor's degree.

The actual amount of your grant is determined by your estimated family contribution (EFC), the total cost of attending (COA) college and the number of units you are taking. Pell Grants have a lifetime limit of six years of full-time attendance.

You must submit a FAFSA and meet other verification requirements for SBCC to determine your eligibility for a Federal Pell Grant.

## Federal Supplemental Educational Opportunity Grants (FSEOG)

The FSEOG is a federal grant designed for students with exceptional financial need who receive Federal Pell Grants. Funded by the U. S. Department of Education,  these funds are extremely limited and are awarded on a first come, first served basis.

## Federal Direct Student Loans

Loans are available to students who are enrolled in at least six units (half-time). The federal government may pay interest on subsidized loans during the in-school period which is up until the student's termination or graduation. The grace period is for six months. The student is responsible for paying the interest on unsubsidized loans during the in-school and grace periods. Students are eligible if they meet the Department of Education's criteria, as listed with the Financial Aid Office. Some features of the loan program are limited based on how long a student is pursuing a particular program of study.

## Federal Work Study (FWS)

FWS funds are provided by the federal government and are designed to provide part-time employment for students with financial need. Whenever possible, students are encouraged to select a work environment which will further their educational growth. As with other financial aid, FWS eligibility is determined by the Office of Financial Aid. A specific amount is awarded and that amount cannot be exceeded (for example, you are awarded a $3,000 FWS award, once you earn the $3,000, you cannot continue to be employed under FWS). Funds are limited. If you are interested in the FWS program, please contact the Financial Aid Office.

## Cal Grants

Cal Grants are awarded based on demonstrated financial need and academic achievement to undergraduate students who have not yet earned a bachelor's or professional degree. Cal Grants don't need to be repaid. Contact the California Student Aid Commission (https://www.csac.ca.gov/) at 1-888-224-7268 or visit their website (https://www.csac.ca.gov/) for more information regarding deadlines and availability of funds.

If you receive a Cal Grant A but decide to attend a California Community College, your award will be held in reserve for up to three years until you transfer to a four-year college. Be sure to inform the California Student Aid Commission of any address changes (https://www.csac.ca.gov/sites/main/files/file-attachments/g-10_0.pdf) during this time. When you are ready to transfer, be sure to notify the California Student Aid Commission so that your Cal Grant eligibility can be re-evaluated. Also, let your new college know that you have a Cal Grant A Reserve Grant.

If you receive a Cal Grant B, you will receive funds to help pay for books and educational costs while attending a community college. (If you do, keep in mind that you may only receive Cal Grants for a maximum of four year and you will be "using up" Cal Grant eligibility that you may want to save if you're planning to transfer to a four-year college.)

If you're pursuing a career or technical education, you can use a Cal Grant C award to pay for books and supplies,.

If you didn't receive a Cal Grant for study at a community college and transfer, you may qualify for a Cal Grant Transfer Entitlement (https://www.csac.ca.gov/post/cal-grant-transfer-entitlement-award/) award to attend a four-year college.

## Student Success Completion Grant (SSCG)

The SSCG helps you afford full-time enrollment so you can graduate, begin your career and start earning money sooner.

- 12-14 Units / semester = $649 ($1,298 per year)
- 15+ Units / semester = $2,000 ($4,000 per year)

You are eligible for the SSCG if you are a full time student and a recipient of a Cal Grant B or C award.

## Scholarships

Scholarships are funded by gifts and endowments from private individuals, corporations, community organizations, and foundations and are awarded based upon academic achievement and financial need, as well as other scholarship specific requirements/qualifications. The SBCC scholarship application is available on January and closes on March of each year. For more information, please visit the scholarship webpage (https://www.sbcc.edu/financialaid/scholarships.php).

## Packaging

The practice of offering two or more types of aid to a student is known as packaging. A typical package would include aid from at least two of the following sources: grants, employment or loans.

The package is designed to meet all or part of a student's established need for financial assistance. Packaging policies take into consideration not only the unique needs of each aid applicant, but also emphasize the order in which different funding sources are included in each financial aid package. The initial source of funding considered for all applicants is grant aid. If needed, the second source of funding considered is employment. The last source of funding considered is student loans.

## Disbursement

In order to receive a financial aid award and disbursement, a student must have a completed application and be enrolled in the required number of units. Most aid is distributed on a *two-payment per semester basis*. Normally, the first payment may be expected immediately prior to the first week of each semester, and the second payment at the end of the fifth week.

Student loans are disbursed in accordance with procedures set forth by federal regulations (more information is available in the Office of Financial Aid).

Federal Work Study recipients will be paid once a month for hours worked.

## Student Consumer Information

Financial aid information included here is limited. Additional information is available at Santa Barbara City College's Financial Aid Office, Room SS-210. SBCC's Financial Aid Policies and Procedures are also available on the Financial Aid website (http://www.sbcc.edu/financialaid/).

## Satisfactory Progress Standards

Federal regulations mandate that all institutions of higher education establish minimum standards of "satisfactory academic progress" for students receiving financial assistance. All students who apply for and receive financial assistance are expected to meet the academic standards described in Santa Barbara City College's *Financial Aid Satisfactory Academic Progress Policy*.

Copies of the *Financial Aid Satisfactory Academic Progress Policy* are available in the Financial Aid Office, Room SS-210 and of the Financial Aid website (https://www.sbcc.edu/financialaid/).

## Cost of Attendance

When Santa Barbara City College uses the term "cost of attendance," it refers to the amount of money necessary to complete a 9 month academic year. This is considered to be a modest, but adequate, standard of living budget.  It does not take into consideration individual student situations and it presumes reasonable consumer choices on the student's part.

The cost of attendance at SBCC is available on the Financial Aid website (http://www.sbcc.edu/financialaid/cost_of_attendance.php).

**Important Note:** The amount of funds allocated to Santa Barbara City College, compared to the large number of needy students who qualify for financial aid, rarely allows the College to meet the total needs of an aid recipient.

# STUDENT SUPPORT SERVICES

## Academic Counseling Center

*(Academic planning, degree applications, educational planning)*
Jennifer Hamilton, Department Chair • Academic Counselor • Assistant Professor
SS-120
(805) 730-4085
ACC website (http://www.sbcc.edu/counselingcenter/)

### Academic Counseling

Meeting with an academic counselor each semester is essential to student success. Academic counselors are available to new-to-college students who have completed all their steps to enrollment, new transfer students, continuing and returning students.

The Academic Counseling Center provides a variety of resources to help students achieve the greatest possible benefit from their college experience. Each academic counselor is a specialist in several academic areas, and students should meet with a counselor according to the major they declare or the special program that they are part of (ie. EOPS, Raices, TA, TAP, Umoja). Counselors assist with course selection, educational planning requirements for majors, general education, graduation, or transfer to a four-year college or university. A counselor can answer questions about a course or academic requirements and serve as a valuable resource in helping students select appropriate, balanced course plans to meet degree and certificate requirements as well as lower division transfer requirements for specific transfer institutions. Students are encouraged to meet with a counselor each semester. Academic Counseling Center is located in the Student Services Building.

### Academic Counselors are here to:

- Assist students in planning and achieving their academic and career goals.
- Develop individualized Student Educational Plans (SEP).
- Educate students on transfer & SBCC requirements.
- Counsel students on success strategies.
- Conduct Class Planning sessions for new students, classroom presentations and workshops.
- Teach Personal Development/College Success courses.
- Refer students to University Transfer Center (https://sbcc.edu/transfercenter/), Career Center (https://sbcc.edu/careercenter/), Health & Wellness (https://sbcc.edu/healthservices/), DSPS (https://sbcc.edu/dsps/), and other Student Resources. (https://sbcc.edu/studentservices/)

### Student Educational Plan (SEP)

A first semester SEP is developed in Class Planning for new to college students. A comprehensive SEP should be developed with an academic counselor during the student's first semester at SBCC. An SEP outlines a suggested course of study for the individual student based on major, transfer plans, career goals, previous college coursework and sequence of courses. Students are encouraged to update their plan each semester or when a change is made to their major, transfer institution or other goals.

### Transfer Counseling

Academic counselors provide transfer counseling for students regarding, General Education requirements (IGETC and CSU Breadth), preparation for major courses, general admissions requirements, UC TAG, the UC and CSU systems, as well as California independent and out-of-state colleges and universities.

## Admissions & Records

*(Application, registration, pass/no pass, transcripts, petitions, records)*
Interim Director, Angelica Contreras
SS-110
(805) 730-4001
A & R Website (http://www.sbcc.edu/admissions/)

Admissions & Records, Room SS-110, provides information and assistance regarding applications, official college records, registration in classes, adding or dropping of classes, transcripts, petitions, residency and withdrawal from college.

## Articulation with Four-Year Institutions

Laura Castro, Articulation Officer • Academic Counselor • Associate Professor
SS-144
(805) 730-5184
Articulation Website (http://articulation.sbcc.edu)

To assist the student with transfer to four-year institutions, articulation agreements have been established with most California State Universities, University of California campuses and some independent California and out-of-state colleges. These agreements define the courses at Santa Barbara City College that satisfy many lower division major requirements and/or General Education requirements at four-year institutions.

ASSIST **(**http://www.assist.org**)** is a computerized student transfer articulation information system. It displays reports of how California community college courses can be applied when transferred to California State Universities and University of California campuses. ASSIST is the official repository of articulation for California's public colleges and universities, and therefore provides the most accurate and up-to-date information available about student transfer in California.

## Assessment Center

Sara Volle, Coordinator
assessment@pipeline.sbcc.edu
Assessment Center website (http://www.sbcc.edu/assessment/)

The Assessment Center is dedicated to ensuring student success by providing placement services for students seeking to enroll in English and Math courses. Placement results give students information necessary to complete their educational objectives, satisfy some course prerequisites, and provide information relative to course skills advisories.

Assessment testing is no longer used for placement into English and Math courses. The college uses multiple measures, including high school coursework, high school grades, and high school grade point average to place students into English and Math courses.

Incoming credit ESL students take part in a placement process in order to determine their appropriate ESL level. Detailed information may be found by visiting the ESL Assessment website (http://sbcc.edu/assessmentcenter/esl_assessment.php).

# Athletics

Ashley Farias
PE-301
(805) 730-4076
Athletics Website (http://www.sbcc.edu/athletics/)

Santa Barbara City College is a member of the Western State Conference and the Southern California Football Association. Competition and eligibility are governed by the California Community College Athletic Association Constitution and Bylaws. Intercollegiate athletic competition is offered in the following seasons:

| FALL | SPRING |
| --- | --- |
| Football | Baseball |
| Women's Water Polo | Softball |
| Women's Volleyball | Women's Swimming & Diving |
| Women's Golf | Men's Volleyball |
| Women's Soccer | Women's Tennis |
| Men's Soccer | Men's Tennis |
| Women's Cross Country | Women's Beach Volleyball |
| Men's Cross Country | Men's Golf |
| Women's Basketball | Women's Track & Field |
| Men's Basketball | Men's Track & Field |

Questions pertaining to participation should be directed to the head coach of that sport. Head coach information can be found on each sport's individual page on the Athletics Website link above.

# Basic Needs Center

Alondra Lazaro Gonzalez or Roxane Byrne
ECC-14
(805) 730-3067

The Basic Needs Center (BNC) aims to address food and housing insecurity and support students with financial hardships by providing students and community members with access to no cost quality food, clothing, toiletries, and other supplies. The BNC also strives to build awareness about food insecurity, healthy nutrition, CalFresh, financial aid, and other resources in a dignified and helpful environment.

- **The Food Pantry** is located inside of Basic Needs Center and is open to all SBCC students, staff, and faculty experiencing food insecurity or hunger.
- **The CalFresh Support Program** is located inside of the Basic Needs Center. Students interested in applying for this state operated supplemental nutrition assistance program can make an appointment with a trained advocate who will assist them through the process and provide information about other resources available.
- **Love's Closet** is located within the Basic Needs Center and offers a wide variety of new and gently used clothing that is available to students free of charge.

# Campus Safety

*(Emergencies, crimes, parking, access control, escorts, impounded bikes)*
Erik Fricke
ECC-41
(805) 730-4064
Campus Safety Website (http://www.sbcc.edu/security/)

The Campus Safety Office is located in ECC-41 (adjacent to the Sports Pavilion). The office is open Monday through Friday, 8:30 AM to 4:30 PM, phone (805) 730-4064. Campus Safety is on campus during school hours, and can be reached during non-office hours at ext. 2400. If there is an emergency, call ext. 2400 from a campus phone or (805) 730-4200 from a cell phone. The Campus Safety Office's main responsibilities are responding to incident calls, providing escorts, issuing citations for illegally parked vehicles, and securing buildings on campus. When school is in session, the campus is patrolled by officers in designated locations to observe and report any suspicious activity.

The department works closely with the Santa Barbara Police Department and each officer has the ability to contact the police directly over their handheld radios in case of an emergency. The department has seven full-time employees and up to 25 part-time officers.

Santa Barbara City College is committed to the safety of all students, faculty and staff. In response to Assembly Bill 1088's concern that women on American college campuses, who are 18-24 years of age, are at greater risk for becoming victims of sexual assault than women in the general population.  Information on sexual assault prevention and information on what to do if sexual assault occurs can be obtained from the college's Title IX Office as well as from the Student Health Services website (http://www.sbcc.edu/healthservices/), or the Sanding Together to End Sexual Assault website. (https://sbstesa.org/)

# Campus Store

Paul Miller
Campus Store
(805) 730-4047
Campus Store website (http://www.sbccbooks.com)

The Campus Store is owned by the SBCC Community College District and all profits are directed in support of student programs and activities. We support the mission of SBCC by providing required course materials, supplies, and merchandise in cost efficient, easily accessible formats. We are committed to providing exceptional customer service and high quality products while partnering with campus constituents to achieve mutual goals. We endeavor to grow and expand future services and to operate a financially responsible business that invests back into SBCC and its continued success.

The Campus Store sells new and used textbooks, as well as offering rental and digital textbooks. We are the on-campus provider of merchandise with the SBCC logo, as well as school supplies, art supplies and gift items.

Regular semester hours are Monday through Thursday, 7:45 a.m. to 6 p.m., and Friday, 7:45 a.m. to 4 p.m. See our website (http://www.sbccbooks.com) for additional special hours.

# Career Center

*(Career counseling, assessment, job referral, re-entry adults, Work Experience)*
Chris Phillips
SS-282
(805) 730-4131
Career Center Website (http://www.sbcc.edu/careercenter/)

The Career Center is located in the Student Services Building, Room 282. The Career Center provides students with direct access to the college's comprehensive business, occupational and career development

programs and services. The professional staff addresses students' unique career goals and aspirations through:

- Comprehensive career counseling services that are available to all students.
- Computerized career guidance programs that allow the student to determine job interests, skills and values and to develop decision-making and job search strategies.
- Career-planning classes, workshops and seminars offered throughout the year.
- Work experience, internships, volunteer and mentorship opportunities for students.
- Up-to-date information on the college's diverse array of business, occupational and career education programs/services.
- Comprehensive job referral assistance for those students who complete occupational education certificate or degree programs. Assistance is also provided to students seeking part-time and summer employment.

# Center for Equity and Social Justice

Selena Martinez or Roxane Byrne
Campus Center - CC 228
(805) 730-4377
CESJ Website (http://www.sbcc.edu/equity/CESJ.php)

The Center for Equity & Social Justice (CESJ) strives to provide a safe and brave space for students of color, women, LGBT+, and other historically marginalized students. In addition to providing a space for students to meet, study, and connect, the CESJ partners with various academic departments, student support programs, and community service agencies to provide lectures, workshops, discussions, film screenings, spoken word, and art exhibits that explore issues of culture, belonging, power, oppression, and injustice in our community.

# Child Care: Orfalea Early Learning Center

*(Orfalea Early Learning Center)*
Beth Rizo
365 Loma Alta
(805) 965-6883
OELC Website (http://www.sbcc.edu/kelc/)

Santa Barbara City College offers full-time childcare for children ages six months to when they enter kindergarten. Priority is given to full-time student parents who are income-eligible and enrolled in a vocational training program. The center also serves faculty and staff of the college if space is available. Located across the street from SBCC's Main Campus at 365 Loma Alta Drive. Orfalea Early Learning Center is also a lab school program to meet the college's Early Childhood Education teacher-training needs. For information about teacher-training, contact Devona Hawkins, Early Childhood Education chair, (805) 730-4173.

# Clubs and Organizations

Amy Collins
CC-217
(805) 730-4062
Clubs Website (http://www.sbcc.edu/clubs/)

Participation in campus club life is a great way to enrich your co-curricular experience at Santa Barbara City College. Clubs are organized to involve students in specialized fields of interest associated with academics, hobbies and special service to the community or college. Come to the Office of Student Life, located in the Campus Center, Room-217, to join a club or to start your own group. A *Club Manual* is available to assist you in having a successful club. The manual includes information about club rosters, constitutions, advisers and charters. Many past clubs have focused on career options, student diversity, sports, politics, religion, service, recreation and social events. Listed below is a sample of the clubs that are now active or have been active in the past

| | |
|---|---|
| American Sign Language Club | Anime Club |
| Asian Student Union | Astronomy Club |
| Ba-Dum-Tss Stand Up | Biology Club |
| Business and Finance Club | Computer Science Club |
| Crochet Club | Current Events Club |
| Environmental Integration Club | Esports Club |
| Film Club | Geology Club |
| Healing Hands | Intervarsity Christian Fellowship |
| Japanese Culture Club | Korean Culture Club |
| Literary Club | Men's Lacrosse Club |
| Philosophy Club | Photography Club |
| Pre-Medical Club | Psychology Club |
| Queer and Ally Club | Rising Scholar Student Organization |
| SBCC Auto Club | Sociology Club |
| Team Programming Club | University Transfer Scholars Club |
| Women for Success Club | Women in Business at SBCC |
| Women In Science and Engineering (WISE) Club | Women's Lacrosse Club |
| Yoga Club | |

# Computer Labs

Computer Resources Website (http://www.sbcc.edu/computerresources/)
Santa Barbara City College's has approximately 1,800 computers available for students on Main Campus. The hours of operations vary from lab to lab, however in general open drop-in labs are available:

- Monday through Thursday: 9 a.m. to 4 p.m.
- Friday: 9 a.m. to 1 p.m.
- Hours are subject to change.

Please direct any questions you have about a specific lab to the extension provided for that lab, which is provided on the Computer Resources web page. Additionally, you will also find a list of locations where mobile printing from personal devices is available, the location of each lab, the main website for each lab, and instructions for using SBCC WiFi network on the Computer Resources page as well.

# Disability Services and Programs for Students (DSPS)

SS-160
(805) 730-4164
DSPS Website (http://www.sbcc.edu/dsps/)

Santa Barbara City College welcomes students with disabilities. The college has established the office of Disability Services and Programs for

Students to provide educational accommodations and support services for students with disabilities enrolled in SBCC courses, as follows:

- Support the participation of students with disabilities in all educational activities consistent with the mission of community colleges.

- Determine eligibility for educational accommodations and services through the interactive process and the review of disability verification.

- Provide educational accommodations and services such as disability-related counseling, extended time on tests, priority registration, alternate media, assistive technology, and auxiliary aides.

- Provide reasonable educational accommodations for students with disabilities while maintaining the fundamental nature of college programs and services.

- Provide programs and services for students with disabilities, in compliance with laws and regulations such as the Americans with Disabilities Act, Section 504 and 508 of the Rehabilitation Act, the California Community Colleges Title 5 regulations, and policies and procedures adopted by the Board of Trustees of the Santa Barbara Community College District.

SBCC invites students to request educational accommodations or DSPS services by contacting the DSPS Office, Room SS-160, or by calling (805) 730-4164 (voice) or dsps@sbcc.edu.

# Employment

(Career counseling, assessment, job referral, re-entry adults, Work Experience)
Chris Phillips
SS-282
(805) 730-4131
Employment Website (http://www.sbcc.edu/careercenter/)

The Career Center receives numerous job opportunities from employers in the community. The center can provide referrals for part-time or full-time jobs, internships, and volunteer opportunities. It also provides an online job posting service listing off-campus and on-campus student jobs. The center hosts job, internship and volunteer fairs every semester that invite local employers to campus and allows students to learn about career opportunities and to apply for job openings. Additional information on job referrals is available at the Career Center, located in the Student Services Building, Room 282, or by calling (805) 730-4131.

# Enrollment and Retention Services

*(Prospective student information, registration assistance, campus tours, college orientation)*
Vanessa Pelton, Director
(805) 730-4736
Enrollment Website (http://www.sbcc.edu/enrollmentservices/)

Enrollment and Retention Services functions as the front line connection for prospective, returning and current students, with  enrollment assistance via email, phone, chat and in-person contact. The department provides access to learning opportunities that promote student enrollment and success through a variety of outreach and orientation services including Steps to Enrollment  advising to both local and out-of-area prospective students and their families, campus tours, college fairs, application workshop and registration, welcome tables and more.

Enrollment and Retention Services also hosts a variety of events for prospective students and their families.

# Extended Opportunity Program and Services (EOPS/CARE)

SS-240
(805) 730-4079
EOPS Website (http://www.sbcc.edu/eopscare/)

EOPS is a state-funded, educational support program for financially and academically disadvantaged students who are enrolled full-time (12 or more units). The goal of the EOPS program is to provide above and beyond support services in order help students meet their educational goals, whether they seek an occupational certificate, an Associate in Arts or Science degree or transfer to a four-year university.

## EOPS Educational Support Services Include:

- EOPS Academic Counselors provide comprehensive academic counseling including academic goal setting, career counseling and certificate, degree and transfer counseling.  EOPS students are also eligible for priority registration and are assisted through the registration process every semester.
- EOPS Student Program Advisors provide comprehensive and wrap-around support, case management and referrals throughout an EOPS student's educational career at SBCC.
- EOPS Peer Mentors provide a communication link between the EOPS program and the EOPS students.
- EOPS offers various academic, career and skills-based workshops every semester.
- EOPS offers its students a complete computer lab with access to computers and free printing.
- EOPS provides individual assistance in completing federal/state and local financial aid and scholarship applications.
- EOPS  provides its students with book grants, meal vouchers, school supplies, pays course field trip and honor society membership fees and provides university application fee waivers.
- EOPS provides English and math tutoring through the EOPS Tutorial Lab. Tutoring in other subjects or on a one-on-one basis is also provided, as needed.
- EOPS hosts cultural events and activities for students such as the EOPS Orientation, EOPS Graduation Celebration, educational field trips and the EOPS Club.

## Additional Programs within the EOPS Program Include:

**CARE (Cooperative Agencies Resources for Education):** Santa Barbara City College provides opportunities for low-income single parents to obtain the skills and education necessary to move from poverty to economic self-sufficiency. The goals of the CARE program are to provide incentives for individuals to minimize their welfare dependence and enhance their employability; to strengthen self-awareness and self-confidence and to provide career awareness and decision-making skills. CARE students are eligible for all EOPS support and services and in addition, may be eligible for transportation assistance, cultural events and activities geared for student parents, single parent workshops and child care assistance.

**Guardian Scholars Program/NextUp!:** A comprehensive support program for current and former foster youth and AB12 students. Guardian Scholar

students are eligible for all EOPS support and services and additional grants, services and activities as appropriate.

Running Start (http://www.sbcc.edu/eopscare/Running%20Start.php): A comprehensive bridge program for eligible graduating high school seniors offers college orientation, educational field trips and a weekly stipend. Students also receive meal vouchers, priority registration, academic counseling, orientation, and other support services and complete a personal development course and one other academic course.

SPARC (http://www.sbcc.edu/eopscare/SPARC.php): (Single Parents Arriving Ready for College): A six-week summer bridge program for eligible single-parent students offers college orientation, field trips, and a weekly stipend. Students also receive meal vouchers, priority registration, academic counseling, orientation, childcare and other support services. Additionally, students are enrolled in a an academic planning class, a parenting course specific to single parent students and participate in a series of workshops aimed at building community and support.

Rising Scholars (http://www.sbcc.edu/eopscare/Transitions.php): The SBCC Rising Scholars Program is open to individuals who have been formerly incarcerated.  The program offers college orientation, a college success course and events or excursions.  Rising Scholars students are invited to participate in cohort general education classes throughout the regular academic year.  The goal is to provide formerly incarcerated students a solid foundation to develop, organize, and begin their program of study and to acquire the skills necessary to succeed in other college courses while building connection and community. Eligible students receive student fee waivers, textbooks, supplies, tutoring, peer mentoring, and financial aid assistance.

The SBCC Rising Scholars Program also includes several credit Personal Development courses taught inside Santa Barbara County Jail where students can begin earning college credit and preparing to enroll on campus at Santa Barbara City College upon release.

# California Work Opportunity and Responsibility to Children (CalWORKs)

CalWorks Website (http://www.sbcc.edu/calworks/)

CalWORKs is California's Welfare plan in response to the Federal TANF (Temporary Aid to Needy Families) Program. The CalWORKs program allows participants who are receiving cash assistance to attend Santa Barbara City College (main campus or non credit) for education and training with the goal of reaching self-sufficiency and increasing wage earning power.

In addition to the services listed above, CalWORKs participants may be eligible for childcare, work study, needs based workshops, education and employment plans, transportation assistance and a cooperative relationship with the Department of Social Services.

At Santa Barbara City College, the CalWORKs program is located in the EOPS Office (SS240).

# Food Service

The health and well being of our staff members, community, faculty, and students is our top priority during this time of uncertainty considering the COVID-19 Pandemic.

Below you will find our normal operating house for our two food service venues as well as our Coffee Shops. The hours of operation may change depending on Santa Barbara County Health regulations.

For information on open venues as well as hours of operation, please visit https://www.sbcc.edu/dining/

The *College Cafeteria* is located to the right of the main entrance of the Campus Center. It is open Monday through Thursday, 7:30 a.m. to 8 p.m., and Friday, 7:30 a.m. to 1:15 p.m. Hot meals are served daily. Excellent food and service are available at reasonable prices.

The *JSB Café* is located in the School of Culinary Arts Building between the Campus Center and the Campus Store. Lunch is served Monday through Friday, 11:15 a.m. to 1:30 p.m.

The *West Campus Snack Shop* is located in the Business/Communication Building, open Monday through Thursday, 7:30 a.m. to 8:30 p.m. and Friday until 1:15 p.m. Additionally, students can get coffee and baked goods at the *Campus Center Buzz Shack*, open Monday through Thursday, 7:30 a.m. to 7 p.m., and Friday, 7 a.m. to 1:15 p.m., and the *Luria Library Café*, open Monday through Thursday, 7:30 a.m. to 7 p.m., and Friday, 7:30 a.m. to 2 p.m.

The School of Culinary Arts also provides catering for on-campus events. Call (805) 897-3488 to book catering events.

# Honors Program

Danielle Swiontek
WCC-131
djswiontek@pipeline.sbcc.edu
Honors Website (https://www.sbcc.edu/honors/)

SBCC's Honors Program offers a thoughtful and interdisciplinary approach to general education. Honors students are not born; they are made when people decide they are ready to challenge themselves. Our courses triple-count: they apply to IGETC, GE and the State Certified Honors Program Certificate. Students who enroll in the Honors Program will gain the opportunity to become independent learners, participate actively in the shaping of their education, and exercise their talents while being part of a supportive, engaged community. For further information, see the Honors (p. 286) section of this *Catalog*.

# Housing

Amy Collins
CC-217
(805) 730-4062
Housing Website (http://www.sbcc.edu/housing/)

As a service to those students living away from home, the Office of Student Life (Campus Center, Room 217) maintains listings of available rooms, apartments, and room and board options within the community (also available in the Housing website). The office also provides handouts with information on available rentals, privately owned residence halls and rental strategies. The college, however, assumes no responsibility for inspecting or supervising such housing facilities. It does support and endorse the Fair Employment and Housing Act.

# Injury/Accident Reporting and Insurance

SS-170
(805) 730-4098

Student Health and Wellness Website (http://www.sbcc.edu/healthservices/)

All class-related accidental injuries must be reported to the Student Health and Wellness Office, Room SS-170, within 72 hours of the incident to be eligible for college student accident insurance policy coverage. This coverage is limited to accidental injuries while participating in college classes or activities and is secondary to any other medical insurance the student may have. Coverage and limitations are outlined in a brochure available in the Student Health and Wellness Office.

Information on private medical insurance and on enrollment in Covered California and MediCal is available in the office.

Contracts with Santa Barbara Cottage Hospital and Goleta Valley Cottage Hospital emergency rooms have been established to provide medical care to students at a discounted rate. The emergency rooms are open 24 hours a day, seven days a week. Your student I.D. card must be presented at the time services are rendered.

# International Student Support Program

(805) 730-4040
International Students Website (http://www.sbcc.edu/international/)

International students have always played an important role in the life of the college. SBCC welcomes international students and encourages them to utilize all of the services provided by the International Student Support Program staff.

The International Student Support Program strives to provide international students with an opportunity to benefit from a high-quality academic curriculum, as well as from intellectually stimulating social and recreational activities. The International Student Program consists of two programs. The English Language Studies Program (ELSP) is an intensive language program for beginning to advanced level international students who wish to improve their English skills before taking other college-level classes. The International Student Academic Program (ISAP) is open to students who are academically prepared for advanced English and regular college courses.

ISAP students may earn a two-year Associate Degree or complete their lower-division transfer requirements for four-year colleges and universities.

Housing assistance is offered to all international students. Lists of Santa Barbara area hotels and motels, student apartments, student dormitories, as well as professional host family and apartment placement services are available. All international students who have a student visa (F-1) are required to check in at the International Education Center upon arrival and to attend the mandatory arrival orientation. Student visa holders will be assisted with the processing of required documents and provided with information on upcoming international student activities and events.

# Internship Referral Service

*(Volunteer, paid, credit)*
Career Center
SS-282
(805) 730-4131
Career Center Website (http://www.sbcc.edu/careercenter/)

Internship opportunities are available to students through the Career Center which links local employers and students. Internships are an ideal way for students to gain hands-on experience in the workplace and make valuable professional contacts while still in college. Internships are made available both through listings in the Career Center and through the online job posting service that the center sponsors. To receive college credit for internships, refer to the Work Experience (p. 377) section.

# Cartwright Learning Resources Center

*(Supplemental instruction multimedia tools and learning materials, including videos, DVDs, CDs, software programs; Writing Center, Tutorial Center, Computer Lab and CAI classrooms)*
Vandana Gavaskar
CLRC-123
(805) 730-4466
CLRC Website (http://www.sbcc.edu/learningresources/)

The Cartwright Learning Resources Center, which houses numerous learning support services, is open Monday through Thursday, 8 a.m. to 8 p.m., and Friday, 8 a.m. to 4 p.m. The Writing Center is open Monday through Thursday, 9 a.m. to 7 p.m., and Friday, 9 a.m. to 3 p.m.

## Check-In Counter for Media and Computer Access

The Cartwright Learning Resources Center houses a cross-curricular multimedia library. These materials do not circulate outside of the department. Individual viewing/listening carrels are available. The CLRC provides required supplemental instructional materials for classes in Earth Science, History, Music, Physical Education, Work Experience and others.

## Computer-Assisted Instruction

The CAI Labs are classrooms with locally networked Apple computers and printers. They are primarily teaching facilities that are available to faculty by reservation only.

## Computer Commons

This is a drop-in computer lab with Apple and PC computers and printers available to all SBCC students. Tutors provide friendly assistance, as well as one-on-one tutorials by appointment

## Tutorial Center

The Tutorial Center, located in the Cartwright Learning Resources Center in room 118, coordinates a large number of tutorial services. Information about individual, small group tutoring and tutorial labs covering a variety of subjects is available for the general student population, as well as faculty. General tutor training registration is also accessed through this office.

### TUTW NC199 Tutor Training Across the Disciplines (0 Units)
Hours: 8 (8 lecture)
An introduction to the basic principles of tutorial theory and practice, designed for students who are seeking to be tutors in the various tutoring programs at SBCC. Covers tutoring ethics and philosophy, and applying learning-centered theory to the practice of tutoring. Students learn about the cycle of tutoring, the basics of tutoring communication and strategies of tutoring students. Designed to prepare students to be peer tutors with students at all educational levels and disciplines; individually, in groups and online. Requires faculty recommendation of tutors who typically have been students in their classes. Tutors receive instruction in learning theories, communication skills, problem-solving strategies, teaching strategies, student services (to make appropriate referrals), campus policies, etc. Course restricted to 98 repetitions

### Tutoring Commons

This is an open commons supporting multiple departments for small-group and individual tutorial sessions.

### Writing Center

The Writing Center offers drop-in and by-appointment assistance with any stage of the writing process, as well as research composition format. Individual Writing Lab sessions last a half-hour. The Writing Center also provides online writing resources. See the lab's website on the SBCC home page.

## Lost and Found

Lorraine Valenzuela
ECC-41
(805) 730-4064

Articles found on campus and in its immediate environs are turned in to Campus Safety, Room ECC-41 (adjacent to the Sports Pavilion). Owners must appear in person to identify and claim lost items.

## Luria Library

*(Library usage, reference and research)*
Ellen Carey, Library Department Chair
(805) 730-4430
Library Website (http://library.sbcc.edu)

The library plays a central role in the life of the campus and is visited by thousands of students a day. The Eli Luria Library embraces its slogan: Explore, Learn, Grow.  We inspire discovery by offering dynamic, innovative, and welcoming physical and virtual environments for students and faculty, and providing the resources, services, and instruction they need to achieve educational, professional, and personal growth and success.

Professional librarians are available at all open hours for reference and research support, and to provide instruction in information competency, whether within a research workshop or one-on-one. Individual research services are provided in-person, using chat online at the library website, or by telephone.

Access to the library catalog and information about all resources, staff, and services are available through the Library website, from on or off campus. Resources are expansive and include a print collection of over 92,000 books and over 123,500 electronic books, print periodicals, and many electronic databases representing a wide range of disciplines. Copies of most course textbooks are available for short-term use, checked out with a current campus ID.  Books and copies of articles from periodical titles not owned are available to the SBCC students, faculty, and staff via interlibrary loan.

There are many different kinds of spaces in the library to sit, study, meet with others, participate in events hosted by the library.  Many kinds of technology are available including WiFi access, desktop computers, scanners, printers, copiers. There are even portable computers for 4-hour check out.

## Mathematics Engineering Science Achievement (MESA)

Virginia Estrella
(805) 730-4792

The Mathematics Engineering Science Achievement (MESA) California Community College Program (CCCP) is an academic program designed to encourage educationally and financially disadvantaged community college students to excel in math, engineering and science so they can transfer to institutions offering baccalaureate degrees in these fields. MESA CCCP centers are located on selected community college campuses throughout the state and serve over 3,000 students. The program is a collaboration between MESA and the California Community Colleges Chancellor's Office. The MESA program for Santa Barbara City College was established in 2007. Call (805) 730-4792 or visit CC-125.

## Noncredit Information and Registration

Jeanette Chian Brooks
Schott Campus (805) 687-0812
Wake Campus (805) 964-6853
School of Extended Learning Website (http://www.sbcc.edu/ce/)

Noncredit Information and Registration Offices assist students with applying and registering in noncredit courses and are located at the Schott and Wake Campuses.

## Office of Student Life

*(Activity Cards, Student Identification Cards, Student Senate, Campus Clubs, Housing Information)*
Amy Collins
CC-217
(805) 730-4062
Student Life Website (http://www.sbcc.edu/studentlife/)

The Office of Student Life, located in the Campus Center, Room 217, is the center of co-curricular and extracurricular student activities on campus. Its staff assists individual students and student groups in coordinating activity projects, along with providing support to SBCC's clubs and Associated Student Government/Student Senate.

A variety of services and programs are provided by the department upon request. It is the place where students go if they need information on poster and sign-making, use of the Free Speech Area, display tables for on and off campus organizations, authorization to solicit funds on behalf of a campus club, participation in student government, student activity information, senior discount cards, housing, MTD bus pass information, housing and participation on college committees.

## Orientation Services

Orientation Website (http://www.sbcc.edu/orientation/)

Orientation provides new students with information about Santa Barbara City College in order to prepare them for a successful college experience. Topics include educational programs, support services, college facilities, student life, and students' rights and responsibilities.

All new students are strongly encouraged to participate in college orientation. However, college orientation is required of all students who have never attended college, or attended while in high school, or new transfer students, and indicated a goal of degree, certificate, transfer or basic English/math skills or and undecided educational goal on their SBCC application.

Separate from college orientation, several departments and support programs may require supplemental orientations to familiarize students with services, procedures and policies of the department or program.

# Re-Entry Adult Services

*(Career Center)*
SS-282
Career Center Website (http://www.sbcc.edu/careercenter/)

An increasing number of adults are attending college for the purposes of retraining, transition from home to the workplace and continuing education. Santa Barbara City College welcomes them and recognizes the wealth of experiences they bring to the college setting. It is recognized that this group has unique concerns, and the college is committed to providing services to address adult re-entry issues.

# Scheinfeld Center for Entrepreneurship & Innovation

Julie Samson
BC-220
(805) 892-3643
Scheinfeld Center Website (http://www.scheinfeld.sbcc.edu)

The Scheinfeld Center for Entrepreneurship & Innovation helps students from any academic discipline become globally competent entrepreneurs or employees using a comprehensive approach that combines academics, hands-on experience, and startup support. Students build their entrepreneurial skills and launch business ventures through our distinctive combination of academic courses, the Scheinfeld New Venture Challenge business plan and pitch competition, the Get REAL Accelerator, Scheinfeld internships, the Enlightened Entrepreneur Podcast and Speaker Series, no-cost business consulting and mentoring, networking, and funding opportunities. The Scheinfeld Center upholds inclusivity, accessibility, and diversity among students and their ventures.

# Showers

Any enrolled student who needs shower access may come by the Sports Pavilion, Room 206 (aka, Towel Cage) to complete the agreement/waiver and then gain access to the showers via card control.

# STEM Transfer Program (STP)

STEM Website (https://www.sbcc.edu/stem/)

Educating professionals in Science, Technology, Engineering, and Mathematics (STEM) areas is a national priority for the United States to face the opportunities and challenges of the 21st century. Examples of STEM disciplines are Computer Science, Engineering, Life Sciences, Mathematics, and Physical Sciences. The STEM Transfer Program has as a priority to encourage underrepresented and financially disadvantaged students to engage in STEM areas. Participation in the STEM Transfer Program provides additional academic assistance, belonging to a community of committed students that share similar transfer goals, campus trips to universities, personalize transfer success curriculum to make informed decisions about the transfer process, referrals to academic counselors, opportunities to participate in professional conferences in STEM areas, and assistance in exploring scholarship opportunities.

STEM Transfer Program Coordinator: Virginia Estrella (805) 730-4092, Student Program Advisor: Lorena Cisneros Lopez, (805) 730-4101.

# Student Health and Wellness

*(Health information, illness assessment, first aid, personal counseling, and The WELL a student wellness center)*

SS-170
(805) 730-4098
Student Health Services Website (http://www.sbcc.edu/healthservices/)

***Student Health and Wellness promotes wellness, disease prevention and healthy lifestyle choices.***

*Medical Services* - Same day appointments during office hours are offered with a registered nurse or a clinician for the assessment of illness conditions, health counseling and community referrals.  First aid is also available.  Limited laboratory services and prepackaged pharmacy items as prescribed by the clinician are available at a reduced cost. The Clinic is located at SS-170.

*Mental Health Counseling* - Student Health offers free and confidential individual and group counseling services. We offer an intake session devoted to defining personal concerns, short term counseling, and referrals. Mental health counselors also offer workshops, class presentations, and outreach with various campus programs. The Clinic is located at SS-170.

*The WELL -* The WELL is a wellness center and health education program that promotes student health and wellness on campus and teaches people how to live life to the fullest!  The WELL also has a student club that offers a place for friendship and community for all SBCC students.  The program hosts educational and interactive campus events, workshops, presentations and events that educate students about mental and emotional wellness, sexual health and relationships, healthy eating and active living, substance awareness and bystander intervention. The program hosts educational and interactive campus workshops, group counseling, health presentations, and events that educate students about mental and emotional wellness, sexual health and relationships, healthy eating and active living, substance awareness and bystander intervention. The WELL is located in ECC-21.

*The SBCC Anchor Program* - Anchor promotes alcohol and other drug related risk reduction through education and outreach on campus and within the community. It also offers confidential counseling, support, and referrals for students with substance related concerns. For students interested in smoking cessation, free nicotine replacement therapy is available.

***For further information on Student Health including Medical and Counseling Services, The WELL and college health issues, appointments, or to access community resources please contact Student Health and Wellness.***

# Student Senate/Associated Student Government

Amy Collins
CC-217
(805) 730-4062
ASG Website (http://www.sbcc.edu/studentsenate/)

All students at Santa Barbara City College are encouraged and invited to participate in the governance of the Associated Student Government. Executive board elections are held during the Spring Semester, and applications for senator positions are available through the third week of each Fall and Spring Semester.

The Student Senate consists of students representing a diverse range of SBCC academic and occupational disciplines and activity interests and, yet, they are fully committed to creating a better campus environment in which students may learn, study and come to know one another. The

Associated Student Government/Student Senate plays an important role in the decision-making process at the college—while providing a wide variety of services and activities that enhance the total student experience.

Information on the Associated Student Government/Student Senate may be obtained from the Office of Student Life, Room CC-217.

# Title IX and Gender Equity

Linda Esparza Dozer (lmesparza@pipeline.sbcc.edu), Title IX and Gender Equity Coordinator
A 122
(805) 730-4303
T (http://www.sbcc.edu/counselingcenter/)itle IX and Gender Equity website (https://www.sbcc.edu/titleix/)

The U.S. Department of Education's Office for Civil Rights (OCR) enforces, among other statutes, Title IX of the Education Amendments of 1972. Title IX protects people from discrimination based on sex in education programs or activities that receive Federal financial assistance. Title IX states that:

No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.

Students, faculty and staff of the Santa Barbara City College (SBCC) community, guests and visitors have the right to be free from sexual misconduct and any other form of gender-based discrimination and violence. All members of the campus community are expected to conduct themselves in a manner that does not infringe upon the rights of others.

Santa Barbara City College does not tolerate sexual misconduct, which includes, but is not limited to, domestic violence, dating violence, sexual assault, and sexual stalking. When an allegation of misconduct is brought to an appropriate employee's attention and a respondent is found to have violated any sexual misconduct district policies, appropriate sanctions will be used to reasonably ensure that such actions are never repeated.

# Transfer Academy Program

Angela Warren, Coordinator • Counselor • Associate Professor
East Campus • Student Services Building • University Transfer Center, Room 140
(805) 730-4347 • Transferacademy@sbcc.edu
Transfer Academy Website (http://www.sbcc.edu/transferacademy/)

The SBCC University Transfer Academy is an award-winning support program located within the University Transfer Center. Our services are designed to guide you through the processes and courses needed to qualify for **guaranteed transfer** to one of the sixty-five colleges and universities by the most efficient and effective means possible.

**Our Mission:** The mission of the SBCC University Transfer Academy is to build and cultivate a transfer-receptive culture by providing comprehensive support services to empower, inform, and educate students seeking to transfer to a four-year institution. The University Transfer Academy team is committed to providing quality, holistic professional services that are responsive to students' individual needs. Our goal is to increase visibility, awareness of services, access to transfer information, build partnerships, and, most importantly, prepare students

to transfer to both public and private baccalaureate-granting educational institutions.

**The University Transfer Academy Program:** As one of the leading community colleges in California - and the nation - Santa Barbara City College is known for its excellent transfer rates to four-year colleges and universities. The cornerstone of this reputation is a college-wide commitment to ensuring that you are provided every opportunity to succeed academically and personally by offering you excellent teaching and support services through partnerships with four-year institutions, a highly transferable curriculum, and a comprehensive University Transfer Center.

The University Transfer Academy Program assures you of timely transfer to the prestigious **University of California System**; ranked among the top teaching and research institutions in the United States. **UC Santa Barbara** leads all campuses with the most SBCC transfer students, who make up about 1/3 of their transfer pool. **California State University Channel Islands** is one of the **23 CSUs** that are served by the Transfer Academy. The CSU is a leader in high-quality, accessible, student-focused higher education and is the largest, most diverse, and one of the most affordable university systems in the country. Lastly, **Antioch University**, a private institution in Santa Barbara, offers a unique education that integrates theory and practice. To participate, students must **apply** to the University Transfer Academy Program. The application will serve as a statement of intent to meet the requirements for one or more TAGs.

**Note:** Participation in the University Transfer Academy Program is voluntary and not required to obtain a TAG from the universities. Any SBCC student who meets TAG requirements and deadlines for the specific university can qualify for a TAG.

# University Transfer Center (UTC)

Providing transfer assistance to four-year colleges and universities
Angela M Warren, Interim Director University Transfer Center
SS-140
(805) 730-4347 • Transfercenter@sbcc.edu
University Transfer Center Website (https://www.sbcc.edu/transfercenter/)

Transferring to a four-year university takes careful planning and selection of courses.
The SBCC University Transfer Center (UTC) is dedicated to facilitating a seamless transition to your preferred transfer institution. The UTC serves as a gateway and provides comprehensive services and resources to enhance awareness of and access to transfer information and processes. The UTC offers support and advocacy to promote transfer students' progression toward transfer and improve student success. Through collaboration with campus and external partners, the Center strives to provide the tools and knowledge that are essential to empower transfer students towards increased retention and enhancing their ability to transfer from SBCC to four-year colleges and universities.

The UTC staff will serve as a resource to all transfer students, with a particular emphasis on prospective and newly enrolled students, and a resource to faculty, staff, and the community at large. The University Transfer Center will lead initiatives that facilitate the unique transition issues between feeder institutions and UCSB.

The University Transfer Center is home to two award-winning programs. The University Transfer Academy (UTA) serves students interested in the Transfer Admission Guarantee (TAG) programs offered by most University

of California campuses, California State University campuses, and other private and out-of-state universities.

The Transfer Achievement Program (TAP) is designed to assist ethnically underrepresented, low-income, and first-generation students who have a goal of transfer. Students must join the programs to participate.

Transfer resource information can be found on the UTC webpage (https://www.sbcc.edu/transfercenter/) or by visiting the Center. For questions, please feel free to email or call us at (805) 730-4347.

# UMOJA

Lelia Richardson
CC 228A
(805) 730-4375
UMOJA Website (http://www.sbcc.edu/umoja/)

Umoja (*a Kiswahili word meaning unity*) is a community and critical resource dedicated to enhancing the cultural and educational experiences of African American and other historically minoritized students. Umoja actively serves and promotes student success for all students through a center based support program, curriculum, and pedagogy responsive to the legacy of the African and African American Diasporas.

# Veterans Support and Resource Center

*(V.A. benefits information, course/program certification)*
Kyle Rasmussen (ksrasmussen@pipeline.sbcc.edu)
ECOC-1, Room 3
(805) 730-4003
Veterans Support Website (http://www.sbcc.edu/veteranssupport/)

Santa Barbara City College is fully prepared to assist veterans in securing their educational benefits. The Veterans Support and Resource Center is located in ECOC Building 1, Room 3. Our comprehensive website (http://www.sbcc.edu/veteranssupport/) and packet provides information on eligibility, application procedures and special assistance.

Any coursework or college credit undertaken by active duty personnel, veterans and qualified dependents at an accredited institution of higher education, and officially recorded on an educational transcript, shall be reviewed and evaluated by Santa Barbara City College, and appropriate credit value given toward an Associate Degree, Certificate of Achievement, or other applicable goal in higher education. Both the student and the Veterans Administration are notified of previous credit accepted toward the current goal.

Veterans and dependents of veterans may be eligible to receive a monthly check depending on the program that they qualify for: Veterans Educational Benefits, Post–9/11 G.I. Bill® (Chapter 33), Montgomery G.I. Bill® Chapter 30, 31 VA Vocational Rehabilitation, 1606, 1607 (REAP) and/or Dependent's Educational Assistance Program Chapter 35 of the U.S. Code. The Department of Veterans Affairs Regional Office can inform you of your eligibility at (888) 442-4551.  For more information, visit the US Department of Veterans Affairs website (http://www.gibill.va.gov).

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at http://www.benefits.va.gov/gibill (http://www.benefits.va.gov/gibill/).

New students should contact the Veterans Support and Resource Center at least two months prior to the term they plan to attend to initiate required paperwork. Continuing students also should check in at the VSPRC at least two months prior to the next term of attendance to complete any paperwork that might be required for continuous VA payment.

A maximum of twenty-four (24) credits may be granted to active duty service members and veterans for military service based on *A Guide to the Evaluation of Educational Experiences in the Armed Services*, published by the American Council on Education. After enrolling at Santa Barbara City College, an honorably discharged veteran or an active duty service member who has served on active duty a minimum of 180 days may apply for evaluation of military service experience for college credit. At a minimum, credit will be applied towards the PE requirement for the SBCC Associate Degree (Area E-3) based on official discharge documents (DD-214 or DD-295) or official military experience transcripts recognized by the American Council on Education (e.g., AARTS, SMART) and completion of fifteen (15) units at Santa Barbara City College. A copy of the veteran's DD-214 separation form and/or official military experience transcripts and an SBCC Alternate Credit Petition form must be submitted to the Transcript Evaluations Office. Credit granted for military service is based on *A Guide to the Evaluation of Educational Experiences in the Armed Services*, published by the American Council on Education. A maximum of 12 elective credits will be granted for selected DANTES (DSST) subject standardized tests. A minimum score of 50 is required.

Veterans' priority registration is available to veterans (any member or former member of the armed forces of the United States of America) within five years of leaving active duty, including, but not necessarily limited to, any student who is called to active military duty compelling the student to take an academic leave of absence. For additional information on veterans priority registration, contact SBCC Admissions & Records.

The spouse and children of U.S. veterans meeting the eligibility criteria may have their fees waived if they attend a California Community College, a California State University, or University of California campus. For eligibility requirements, contact the Santa Barbara Veterans County Service Office at (805) 681-4500 or the veterans county service officer in your county.

**Veterans' Benefits**
As part of the Veterans Benefits and Transitions Act of 2018, section 3679 of title 38, United States Code was amended to include the following provisions, effective August 1, 2019, which Santa Barbara City College fully complies with.

These provisions apply to covered individuals. A "covered individual" is any person who is entitled to educational assistance under chapter 31, Vocational Rehabilitation and Employment, or chapter 33, Post-9/11 GI Bill® benefits.

Santa Barbara City College permits any covered individual to attend or participate in the course of education during the period beginning on the date on which the individual provides to the educational institution a certificate of eligibility for entitlement to educational assistance under chapter 31 or 33. A certificate of eligibility can also include a statement of benefits obtained from the Department of Veterans Affairs (VA) website-- eBenefits, or a VAF 28-1905 form for chapter 31 authorization purposes and ending on the earlier of the following dates:

1. The date on which payment from the VA is made to the institution.

2. 90 days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

Santa Barbara City College does not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrow additional funds, on any covered individual because of the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement funding from the VA under chapter 31 or 33. Questions about these provisions can be directed to the Veterans Support and Resource Center at Santa Barbara City College.

# Volunteer Opportunities

Career Counselors
SS-282
(805) 730-4131
Volunteer Opportunities website (http://www.sbcc.edu/careercenter/)

The Santa Barbara City College Career Center offers volunteer opportunities for students interested in community service, career exploration and personal growth. It provides an online job posting service listing volunteer opportunities and sponsors fairs every semester that invite local employers to campus allowing students to apply for openings. To receive college credit for volunteer experience, refer to the Work Experience (p. 377) section of this Catalog. Students may also participate in one-time events, such as yearly festivals, educational camps, or special cleanup projects.

The program is committed to helping students gain easy access to volunteer opportunities in the community. Additional information about volunteer opportunities is available at the Career Center.

# STUDENT RIGHTS

Santa Barbara City College is committed to the success of each student, providing a variety of ways for students to access outstanding and affordable higher education programs that foster lifelong learning.  SBCC works to ensure academic success for all students as they earn a degree or certificate, prepare for transfer, or gain the occupational competencies and academic skills needed to advance in their careers. To achieve the environment and conditions essential to the pursuit of this mission, SBCC has developed procedures regarding student rights and responsibilities. These procedures may be obtained online (https://www.sbcc.edu/studentservices/studentgrievances.php) or in-person at the Associate Dean of Student Affairs office, Room CC-222.

1. Students shall have the right of protection against prejudiced or capricious academic evaluation. Students have the right to impartial, objective evaluation of their academic performance and to receive in writing, at the beginning of each course, information outlining the method of evaluating student progress toward, and achievement of, course goals and objectives, including the method by which the final grade is determined.
2. Students shall be assured that all college programs and activities are available to all persons without regard to ethnic group identification, sexual orientation, religion, age, gender, color, or physical or mental disability. The Santa Barbara Community College District subscribes to the principles and implementation of Equal Opportunity and Affirmative Action and to the provisions of Assembly Bill 803. (Further information may be obtained from the District's EOAA Officer/Vice President of Human Resources.)
3. Students shall be free from acts or threats of intimidation, harassment, mockery, insult, or physical aggression. Santa Barbara City College expressly prohibits sexual harassment by all faculty, staff and students. The college is committed to creating and maintaining an educational environment which is free of objectionable and disrespectful conduct, and communication of a sexual nature that interferes with an individual's work or classroom performance or creates an intimidating, hostile or offensive working or learning environment.
4. Students shall have the right to free assembly and to exercise free expression. This includes the right to hear and to present speakers on any subject. The right to free assembly is subject only to regulations that ensure the regular functioning of the college; these regulations shall include reasonable provisions for the time, place and manner of conducting these activities. The exercise of free expression includes, but is not limited to, the use of bulletin boards and the distribution of buttons, badges and other insignia. The right of free expression does not include discriminatory harassment, speech, or other expressions, which insult or stigmatize individuals or groups on the basis of gender, race, color, disability, religion, sexual orientation, or national and ethnic origin.
5. Students shall have the right to form an organization around any particular interest and to join student organizations, subject to published district policy.
6. Students shall have the right to be informed on all campus matters that can be shown to be directly relevant to them and to have a voice in decision-making that affects their academic future. Students are to have an active role in campus governance by having student members on all faculty and administrative committees, as well as groups which deal with matters related to student concerns (with the exception of staff appointments, terminations and tenure or confidentiality where other students are concerned). In case of conflict, the determination of what campus matters are relevant to students will be determined by a campus-designated student/faculty/administrative committee.
7. Students have the right to have student publications which are free from censorship and advance copy approval, except as provided by published district regulations which adhere to the guidelines for responsible journalism.

## Academic Records

1. Students shall have the right to have their academic records treated in a confidential and responsible manner as required by the Family Educational Rights and Privacy Act of 1974 and outlined in SBCC district policy which stipulates that any release of student educational records be made with the student's written consent, except where specified. An authorized release of educational records to a third party does not obligate the college to discuss the student's academic record with a third party with or without the student's consent.
2. Students have a right to inspect and review the content of their educational records and to request copies of these records. Students wishing to gain access to their educational records will submit a written request to the Director of Admissions & Records, requesting the right to inspect and review their educational records.

## Due Process

Procedures for due process are described in the District's Student Discipline Procedures (AP 5520) (https://www.sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP-5520-Student-Discipline-Procedures.pdf). Copies are distributed to all new students during advisement. For more information, contact the Associate Dean of Student Affairs, CC-222.

## Family Educational Rights and Privacy Act

All Santa Barbara City College student records are kept in accordance with the provisions of the Family Educational Rights and Privacy Act (FERPA) and California code of Regulations, Title 5. FERPA affords students certain rights with respect to their education records. These rights include:

- The right to inspect and review the student's education records within 15 days of the day Santa Barbara City College receives a written request for access. Contact the Dean, Student Affairs for more information.
- The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy under FERPA. Contact the Dean, Student Affairs for more information.
- The right to provide written consent before Santa Barbara City College discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent. Santa Barbara City College discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official Is a person employed by the College in an administrative, supervisory, academic or research, or support staff position (including security and health staff), a person or company with whom the College has contracted as its agent to provide a service instead of using College employees or officials; a person serving on an official committee, or assisting another school official in performing his or her tasks. A school

official has a legitimate educational Interest if the official needs to review an education record In order to fulfill his or her professional responsibilities for the College.

- The right to file a complaint with the U.S. Department of Education concerning alleged failures by the Santa Barbara City College to comply with the requirements of FERPA.

    Family Policy Compliance Office,
    U.S. Department of Education,
    400 Maryland Avenue SW,
    Washington, DC 20202-5901

- Educational records are maintained in the college's Admissions & Records Office (SS-110), which is supervised by the Director, Admissions & Records. Students also have the right to review their personal information at Student Health Services (Director SS-170); Financial Aid Office (Director, SS-210); Veterans Office (Student Program Advisor, ECOC-1, Rm. 7); SBCC Foundation (Chief Executive Director, A-210); Extended Opportunity Program/Services (Director, SS-240); and Disabled Student Program/Services (Coordinator, SS-160).
    - SBCC may provide directory information (http://www.sbcc.edu/ boardoftrustees/files/policies/chapter_5_bp_final/BP %205040%20Student%20Records_Directory%20Info_Privacy %20Rev.%205-10-14%20Ready%20for%20Website.pdf) in accordance with the provisions of FERPA. Designated directory information at SBCC includes the following: confirmation of current enrollment at SBCC, dates of attendance, the degrees/ awards received, students on the President's Honor Roll, names of student officers and those who participate in intercollegiate athletics including name, photograph, weight, height, and high school of attendance of athletic team members.
    - Student Records may be released to the SBCC Foundation (http://www.sbccfoundation.org) in connection with a student's application for, or receipt of financial aid. Personal identification of students may be disclosed only as may be necessary for the purpose of determining eligibility for the SBCC College Promise.
    - A student may request a copy of a record which the student has requested or consented to be released. Students may request a copy of their records by making an appointment directly with the Director of Admissions and Records.

Particular questions with respect to a student's rights under the *Family Educational Rights and Privacy Act of 1974* should be directed to the Dean, Student Affairs, Room SS-260.

## Financial Aid Rights

1. Students have the right as applicants for/or recipients of financial aid to information about procedures, deadlines, refund policies, eligibility requirements and the appeal process.
2. Students have the right to file a grievance, in the event of an alleged breach of their rights, as outlined in the student grievance policy which is available from the office of the Dean, Student Affairs, Room SS-260.

## Grievance Rights

1. Students have a right to be informed in writing of the issues and charges, and be given the opportunity to refute the charges, in any conflict relating to student discipline.

2. Students have the right to be free from the imposition of disciplinary sanctions without proper regard for due process.
3. Students have a right to file a grievance, in the event of an alleged breach of their rights, as outlined in the student grievance policy.

For information on grievance procedures, refer to AP 5530, Student Rights and Grievances (http://www.sbcc.edu/ boardoftrustees/files/policies/chapter_5_ap/AP%205530%20Student %20Rights_Grievances.pdf) or contact the Associate Dean of Student Affairs, CC-222.

## Student Success and Support Rights

1. Each student has the right to develop an individual written student education plan with a counselor within 90 days after a specific individual educational goal has been declared.
2. Students have the right to have their educational plan reviewed as needed by a counselor/academic adviser to ensure that it continues to accurately reflect the needs and goals of the student.
3. Students may clear any prerequisite, using the Prerequisite Clearance procedures (http://www.sbcc.edu/prerequisites/) on one or more of the following grounds:
    a. Student has the knowledge or ability to succeed in the course despite not meeting the prerequisite (e.g., student has prior coursework, assessment levels, certification, license or work experience that satisfies the prerequisite, or by other criteria presented by the student).
    b. The prerequisite course has not been made reasonably available ("reasonably available" is defined by the college).
    c. The prerequisite is discriminatory or applied in a discriminatory manner.
    d. The prerequisite is not necessary for success in the course.
    e. The prerequisite approval did not follow SBCC district policy.
4. Students may obtain a waiver of any prerequisite or corequisite course for a particular term because the course is not available to students during two consecutive terms.
5. Students may review the matriculation regulations of the California Community Colleges and file a complaint when they believe the college has engaged in any practice prohibited by these regulations. The regulations are available and complaints may be filed in the office of the Dean, Student Affairs, Room SS-260.
6. Students may challenge Student Success and Support regulations through the student grievance process available from the Dean, Student Affairs, Room SS-260.
7. A list of exemptions to Student Success and Support components is available in Admissions, Counseling, or from the Dean, Student Affairs, Room SS-260.
8. The college's policy on "registration priorities" is available from the Director, Admissions & Records, Room SS-110.

## Non-Discrimination/Prohibition of Harassment

The policy of the Santa Barbara Community College District is to provide an educational and employment environment in which no person shall be denied full and equal access to, the benefits of, or be subjected to discrimination, in whole or in part, on the basis of national origin, religion, age, gender, gender identity, gender expression, race, ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, military and

veteran status, or on the basis of these perceived characteristics or based on association with a person or group with one or more of these actual or perceived characteristics, in any program or activity that is administered by, funded directly by, or that receives any financial assistance from the State Chancellor or Board of Governors of the California Community Colleges.

The policy of the Santa Barbara Community College District is to provide an educational and employment environment free from unlawful harassment, including unwelcome sexual advances, requests for sexual favors, sexual favoritism, or other verbal or physical conduct or communications constituting sexual harassment.

The following definition will aid in identifying the kinds of behavior which constitute sexual harassment:

Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when:

1. *Submission to or rejection of such conduct is made either explicitly or implicitly a term or condition of instruction, employment, or participation in other college activity;*
2. *Submission to or rejection of such conduct by an individual is used as a basis for evaluation in making academic or personnel decisions affecting an individual; or*
3. *Such conduct has the purpose or effect of unreasonably interfering with an individual's performance or creating an intimidating, hostile, or offensive college environment.*

The policy of the Santa Barbara Community College District is to comply with the accessibility requirements of Section 508 of the *Rehabilitation Act* of 1973 in the development, procurement, maintenance, or use of electronic or information technology and respond to and resolve discrimination complaints regarding accessibility. Such complaints will be treated as complaints of discrimination on the basis of disability.

This non-discrimination policy covers admission, access and treatment in college programs and activities—including, but not limited to, academic admissions, financial aid, educational services and athletics—and applications for, and treatment in, college employment.

In conformance with the requirements of *Title II of the Educational Amendments of 1976*, amending the *Vocational Education Act of 1963*, the college is committed to overcoming sex discrimination and sex stereotyping in vocational education programs.

Furthermore, in compliance with the *Vocational Education Guidelines for Eliminating Discrimination on the Basis of Race, Color, National Origin, Sex and Handicap*, lack of English language skills alone will not be a barrier to admission to and participation in vocational education programs. Any screening procedures for vocational programs will evaluate skill levels and proficiencies pertinent to the program as criteria for admission.

Employees, students, or other persons acting on behalf of the district who engage in discrimination as defined in this policy or by state or federal law may be subject to discipline, up to and including suspension, discharge, expulsion, or termination of employment.

## Filing of Discrimination Complaint/ Additional Information

Students intending to file a complaint regarding any action which they believe discriminates against them, or who require additional information

on the policy and procedures may  contact the Associate Dean of Student Affairs, 721 Cliff Drive, Room CC-222, Santa Barbara, CA 93109-2394. Phone (805) 730-4078.

Employees, unpaid interns or volunteers intending to file a complaint regarding any action which they believe discriminates against them or who require additional information on the policy and procedures may contact Deneatrice Lewis, Director, Human Resources, 721 Cliff Drive, Room SS-230, Santa Barbara, CA 93109-2394, (805) 730-4734.

If you are a student and you require additional information regarding the *Americans with Disabilities Act (ADA)*, or Section 504 of the *Rehabilitation Act*, contact the DSPS Office, 721 Cliff Drive, Room SS-160, Santa Barbara, CA 93109-2394, (805) 730-4164 [voice].

If you are an employee and you require additional information regarding the *Americans with Disabilities Act (ADA)*, or Section 504 of the *Rehabilitation Act*, contact Deneatrice Lewis, Director, Human Resources, 721 Cliff Drive, Room SS-230, Santa Barbara, CA 93109-2394, (805) 730-4734 [voice].

The ADA/504 Coordinator for employees is Deneatrice Lewis, Director, Human Resources, 721 Cliff Drive, Room SS-230, Santa Barbara, CA 93109-2394, (805) 730-4734.

The Title IX Coordinator is Linda Esparza Dozer, Title IX and Gender Equity Coordinator, 721 Cliff Drive, Room SS-230, Santa Barbara, CA 93109-2394, (805) 730-4734.

In so providing, the Santa Barbara Community College District hereby implements the provisions of California Government Code sections 11135 through 11139.5, the *Sex Equity in Education Act* (Ed. Code, §§ 66250 et seq.), Title VI of the *Civil Rights Act of 1964* (42 U.S.C. § 2000d), Title IX of the Education Amendments of 1972 (20 U.S.C. § 1681), Section 504 of the *Rehabilitation Act of 1973* (29 U.S.C. § 794), Section 508 of the *Rehabilitation Act of 1973* (29 U.S.C. § 794d), the *Americans with Disabilities Act of 1990* (42 U.S.C. §§ 12100 et seq.) and the *Age Discrimination Act* (42 U.S.C. § 6101).

*Authority*: Cal. Code Regs., tit. 5, § 59300; Ed. Code §§ 66250 et seq., 66271.1, 66700, and 70901; Gov. Code § 11138. Reference: Ed. Code §§ 66250 et seq. and 72011; Gov. Code, §§ 11135-11139.5; Penal Code §§ 422.6 and 422.55; 20 U.S.C. § 1681; 29 U.S.C. §§ 794; 42 U.S.C. §§ 6101, 12100 et seq. and 2000d; 36 C.F.R. § 1194.

## "Política contra la discriminación/Política contra el acoso u hostigamiento sexual"

La política del Distrito de Santa Barbara Community College es la de ofrecer un ambiente educativo y de empleo, en el cual a ninguna persona se le niega el pleno y paritario acceso ni sus beneficios, o ser sujeto de discriminación, totalmente o en parte, en base a su identificación con un grupo étnico, nacionalidad, religión, edad, genero, raza, color, ascendencia, orientación sexual, discapacidad física o mental, o en base a la percepción de estas características, o en base a la asociación con una persona o grupo con una o más de estas características, ya sea percibidas o reales, en cualquier programa o actividad administrada, patrocinada directamente, o para la que recibe cualquier asistencia financiera del Canciller del Estado o de la Junta de Gobernadores de las Instituciones Postsecundarias de dos años (California Community Colleges Board of Governors).

La política del Distrito de Santa Barbara Community College es proporcionar un ambiente educativo y de empleo libre de solicitudes

sexuales forzadas, solicitudes de favores sexuales, favoritismos basados en el sexo u otra conducta física o verbal o comunicación que constituye acoso u hostigamiento sexual.

La siguiente definición ayuda a identificar los tipos de comportamientos que constituyen el acoso u hostigamiento sexual:

Las solicitudes sexuales forzadas, solicitudes de favores sexuales y otra conducta verbal o física de naturaleza sexual constituyen acoso u hostigamiento sexual cuando:

1. La sumisión o el rechazo a tal conducta se expresa expl'citamente como una condición para la instrucción, el empleo o la participación en una actividad de la universidad;

2. La sumisión o el rechazo a tal conducta por un individuo se usa como base para evaluar y tomar decisiones académicas o de personal que afectan al individuo; o

3. Tal conducta tiene el propósito o efecto de interferir desproporcionadamente con el rendimiento de una persona o de crear un ambiente universitario hostil, intimidador u ofensivo.

La política del Distrito de Santa Barbara Community College es la de cumplir con los requisitos de accesibilidad de la Sección 508 de la Ley de Rehabilitación de 1973 en el desarrollo, consecución, mantenimiento, o uso de información electrónica, o información tecnológica, y responder y resolver las
quejas de discriminación relacionadas con la accesibilidad. Tales quejas se tratarán como quejas de discriminación basada en la discapacidad en cuestión.

La política de no-discriminación cubre la admisión, el acceso y el tratamiento recibido en los programas y actividades universitarios—incluyendo, pero no limitados a, la admisión académica, ayuda financiera, servicios educativos y deportes—y la solicitud a y el trato en el empleo en la universidad.

En conformidad con los requisitos del Title II de las Enmiendas Educativas de 1976, enmendando el Vocational Education Act de 1963, la universidad se compromete a superar la discriminación sexual y los estereotipos en los programas de educación profesional.

Es más, en cumplimiento de las Guías para la eliminación de la discriminación en base a la raza, el color, la nacionalidad, el sexo y la discapacidad en programas de Educación Profesional, la falta de lengua inglesa en sí misma no será barrera para la admisión y participación en programas de educación profesional. Cualquier procedimiento de selección para programas profesionales evaluará los niveles de habilidad y destreza pertinentes al programa como criterio de admisión.

Los empleados, estudianes, y otras personas que actúen en nombre del Distrito y que actúen discriminatoriamente tal y como se define en este reglamento o en las leyes del estado o federales, están sujetos a medidas disciplinarias que pueden incluir la suspensión, el despido, la expulsión o la rescisión de contrato.

## Presentación de una queja por discriminación/Información adicional

Los estudiantes que quieren presentar una queja en relación con cualquier acción que ellos consideran discriminatoria contra ellos, o que requieren información adicional sobre el reglamento y los procedimientos, pueden contactar al Decano Asociado de Programas, en

721 Cliff Drive Oficina CC-222, Santa Barbara, CA 93109-2394, o llamando al teléfono (805) 730-4078.

Los empleados, pasantes no remunerados o voluntarios que quieren presentar una queja en relación con cualquier acción que ellos consideran discriminatoria contra ellos, o que requieren información adicional sobre el reglamento y los procedimientos, pueden contactar a Deneatrice Lewis, en oficina de Recursos Humanos (Human Resources), en 721 Cliff Drive, Oficina SS-230, Santa Barbara, CA 93109-2394, o llamando al teléfono (805) 730-4234.

Si usted es un estudiante y requiere información adicional sobre la Ley de Americanos con Discapacidades (Americans with Disabilities Act -ADA), o la Sección 504 de la ley de Rehabilitación (Rehabilitation Act) póngase en contacto con la oficina de DSPS, en 721 Cliff Drive, Oficina SS-160, Santa Barbara, CA 93109-2394, (805) 730-4164.

Si usted es empleado o empleada y requiere información adicional sobre la Ley de Americanos con Discapaciades (Americans with Disabilities Act -ADA), o la Sección 504 de la ley de Rehabilitación (Rehabilitation Act) póngase en contacto con Deneatrice Lewis,, encargada de la oficina de Recursos Humanos, en 721 Cliff Drive, oficina SS-230, Santa Barbara, CA 93109-2394, o llamando al teléfono (805) 965-0581 extensión 2434.

El coordinador de ADA/504 para los empleados es, Deneatrice Lewis,, encargada de la oficina de Recursos Humanos, en 721 Cliff Drive, Oficina SS-230, Santa Barbara, CA 93109-2394, (805) 730-4234.

La coordinadora de Title IX es Linda Esparza Dozer, en 721 Cliff Drive, Oficina SS-230, Santa Barbara, CA 93109-2394, (805) 730-4234.

Al proporcionar esta información y recursos, el Distrito de Santa Barbara Community College pone en práctica las disposiciones del Código de Gobierno de California secciones 11135 a 11139.5, la Ley de la Paridad de Género en la Educación (Ed. Code, §§ 66250 et seq.), Title VI de la Ley de Derechos Civiles de 1964 (42 U.S.C. § 2000d), Title IX de las Enmiendas de Educación de 1972 (20 U.S.C. § 1681), la Sección 504 de la Ley de Rehabilitación de 1973 (29 U.S.C. § 794), la Sección 508 de la Ley de Rehabilitación de 1973 (29 U.S.C. § 794d), la ley de Americanos con Discapacidades de 1990 (42 U.S.C. §§ 12100 et seq.) y la Ley de Discriminación por la Edad (42 U.S.C. § 6101).

Autoridad: Código de Regulaciones de California, tit. 5, § 59300; Código de Educación §§ 66250 et seq., 66271.1, 66700, y 70901; Código de Gobierno § 11138. Referencia: Código de Educación §§ 66250 et seq. y 72011; Código de Gobierno, §§ 11135-11139.5; Código Penal §§ 422.6 y 422.55; 20 U.S.C. § 1681; 29 U.S.C. §§ 794; 42 U.S.C. §§ 6101, 12100 et seq. and 2000d; 36 C.F.R. § 1194.

# STUDENT RESPONSIBILITIES

It is the responsibility of each student at Santa Barbara City College to be a responsible member of the college community by reading and complying with the published policies, procedures, rules and regulations of the college, as outlined in this *Catalog*, the *Schedule of Credit Classes* and other official materials, including online publications by visiting the SBCC website (http://www.sbcc.edu). The following are some of the most frequently referenced policies and administrative procedures.

## Academic Integrity Policy (BP 5550; AP 5550)

These procedures expand, clarify and set forth clear levels of authority and disciplinary protocols in response to academic dishonesty, as referenced in Santa Barbara City College's *Standards of Student Conduct*.

### Definitions

Academic dishonesty is defined as an act of obtaining or attempting to present academic work through fraudulent or deceptive means in order to obtain credit for this work. Academic dishonesty includes, but is not limited to:

### Cheating
*Failure to observe the expressed procedures of an academic exercise, including, but not limited to*:

- Unauthorized use of commercial "research" services, such as term papers
- Providing information to others without instructor's permission or allowing the opportunity for others to obtain information that provides the recipient with an advantage on an exam or assignment
- Unauthorized communication with fellow students during a quiz or exam
- Copying material from another student's quiz or exam
- Permitting another student to copy from a quiz or exam
- Permitting another person to take a quiz, exam, or similar evaluation in lieu of the enrolled student
- Using unauthorized materials, information, or study aids (e.g., textbook, notes, data, images, formula list, dictionary, calculator, etc.) in any academic exercise or exam
- Unauthorized collaboration in providing or requesting assistance, such as sharing information on an academic exercise or exam through cell phones and texting
- Unauthorized use of another person's data in completing a computer or lab exercise
- Using computer and word processing systems to gain access to, alter and/or use unauthorized information
- Altering a graded exam or assignment and requesting that it be re-graded; submission of altered work after grading shall be considered academically dishonest, including, but not limited to, changing answers after an exam or assignment has been returned or submitting another's exam as one's own to gain credit
- Attempting to hinder the academic work of another student

### Fabrication
*Falsification or invention of any information in an academic exercise, including, but not limited to*:

- Fabricating or altering data to support research
- Presenting results from research that was not performed; submitting material for lab assignments, class projects or other assignments, which is wholly or partially falsified, invented or otherwise does not represent work accomplished or undertaken by the student
- Crediting source material that was not directly used for research
- Falsification, alteration or misrepresentation of official or unofficial records or documents, including, but not limited to, academic transcripts, academic documentation, letters of recommendation, and admissions applications or related documents

### Fraud, Misrepresentation, Lying
*Intentionally making an untrue statement or deceiving including, but not limited to*:

- Providing an excuse for an absence, tardiness, or late assignment with the intent to defraud the instructor, staff or the college
- Checking into a District class, lab, center or other District resource with the intent to defraud instructors, staff or the college
- Checking in or checking out of a District class, lab, center or other District resource for another student
- Using another student's District identification card for use in a class, lab, center or other District resource

### Plagiarism
*The presentation of another's words, images or ideas as if they were the student's own, including, but not limited to*:

- Stealing the written, oral, artistic, or original works or efforts of others and presenting them as one's own
- The submission of material, whether in part or whole, authored by another person or source (e.g., the internet, book, journal, etc.), whether that material is paraphrased, translated or copied in verbatim or near-verbatim form without properly acknowledging the source. (It is the student's responsibility to cite all sources.)
- The submission of material edited, in part or whole, by another person that results in the loss of the student's original voice or ideas (i.e. while an editor or tutor may advise a student, the final work submitted must be the work of the student, not that of the editor or tutor)
- Translating all or any part of material from another language and presenting it as if it were the student's own original work
- Unauthorized transfer and use of another person's computer file as the student's own
- Unauthorized use of another person's data in completing a computer exercise

### Multiple Submissions
*Resubmission of a work with identical or similar content that has already received credit in a high school or another college course, including but not limited to*:

- Resubmission of work with identical or similar content from a past course in a current course without written consent of the present instructor
- Submission of work with identical or similar content in concurrent courses without written consent of all instructors involved
- When retaking a course, resubmission of work with identical or similar content from the past section of the same course without written consent of the present instructor

### Facilitating Academic Dishonesty

*Assisting another to commit an act of academic dishonesty, including, but not limited to:*

- Taking a quiz, exam, or similar evaluation in place of another person
- Allowing one student to copy from another
- Attending a course posing as another student who is officially registered for that course
- Providing material or other information (e.g., a solution to homework, a project or other assignments, a copy of an exam, exam key or any test information) to another student with knowledge that such assistance could be used to violate any other sections of this procedure
- Distribution or use of notes or recordings based on college classes without the express written permission of the instructor for purposes other than individual or group study; this includes, but is not limited to, providing materials for distribution by services publishing class notes. (This restriction on unauthorized use applies to all information distributed or in any way displayed for use in relation to the class, whether obtained in class, via e-mail, on the Internet or via any other media.)

***Culpability is not diminished when academic dishonesty occurs in drafts which are not the final version or when the student claims not to know the policy or procedures.***

## First Offense in a Course or Non-Course Activity

In course-related activities, when a student commits a first offense, decisions regarding the severity of penalties imposed for academic dishonesty shall reside with the instructor. An instructor may give written or verbal notice to a student that continuation or repetition of specified conduct may be cause for further disciplinary action. To ensure students are held accountable for the same infraction in a different course or semester, an "Academic Integrity Violation Form (https://cm.maxient.com/reportingform.php?SantaBarbaraCityCollege&layout_id=1)" will be submitted by the instructor.  If the instructor chooses further disciplinary action, they will note this request on the, "Academic Integrity Violation Form (https://cm.maxient.com/reportingform.php?SantaBarbaraCityCollege&layout_id=1)." The Chief Student Services Officer or designee shall retain this documentation in his/her files.

When a student commits a first offense in non-course activities, the appropriate District employee shall notify the appropriate Dean, Academic Affairs, and the Chief Student Services Officer or designee of the incident using the "Report a Concern Form (https://cm.maxient.com/reportingform.php?SantaBarbaraCityCollege&layout_id=0)."

Penalties for the first offense may include the following:

- A failing grade on the assignment, paper or exam. Violations related to placement shall nullify course placement for the term
- Temporary Exclusion from an Activity or Class: An instructor may remove a student who is in violation of the guidelines for student conduct for the duration of the class meeting or activity during which the violation took place and, if necessary, for the following class meeting.
- An additional assignment: An instructor may require the student to perform additional academic work

The student may appeal the determination of academic dishonesty and/or penalty using the discipline appeal procedure as outlined in AP 5520 Student Discipline Procedures.

## Multiple Offenses in a Course or Non-Course Activity

In course-related activities, when a student commits a second or multiple offense(s), decisions regarding the severity of penalties imposed for academic dishonesty shall reside with the instructor and the Chief Student Services Officer or designee. The instructor shall notify the student of the penalties imposed and record the incident using the "Academic Integrity Violation Form (https://cm.maxient.com/reportingform.php?SantaBarbaraCityCollege&layout_id=1)."

In non-course activities, when a student commits a second or multiple offenses, the appropriate District employee shall notify the Chief Student Services Officer or designee of the incident using the "Student of Concern Report Form (https://cm.maxient.com/reportingform.php?SantaBarbaraCityCollege&layout_id=0)."

Penalties for the second or multiple offense(s) may include penalties listed for the first offense and penalties detailed below under the heading Multiple Offenses at the College.

The student may appeal the determination of academic dishonesty and/or penalty using the discipline appeal procedure outlined in AP 5520 Student Discipline Procedures.

## Multiple Offenses at the College

When the Chief Student Services Officer or designee, has determined that an academic dishonesty infraction is a second such offense or multiple offenses, he/she shall initiate institutional action. Penalties may include, in addition to those listed above:

- *Censure*: a verbal reprimand or recorded written statement which details how a student's conduct violates District regulations. The student receiving such a verbal or a written statement shall be notified that such continued conduct or further violation of District regulations may result in further disciplinary action.
- *Disciplinary Probation*: may consist of removal from all college clubs and organizations and denial of privileges of participating in all District or student- sponsored activities including public performances. Disciplinary probation may be imposed for a period not to exceed one year and can be rendered by an administrator. Notification of disciplinary probation actions shall be immediately reported in writing to the Chief Student Services Officer. A student placed on disciplinary probation may appeal to the Chief Student Services Officer. Records of disciplinary probation actions shall be retained in the office of the Chief Student Services Officer or designee and in the student's file. A student has no right to appeal or to a due process hearing (Education Code Section 76031).
- *Summary Suspension*: A student may be suspended from one or more classes for a period of up to ten days of instruction; from one or more classes for the remainder of the term; or from all classes and activities of the District for one or more terms. A suspended student may also be prohibited from occupying any portion of the campus and be denied participation in any or all college activities. Disciplinary suspensions shall be initiated by the Chief Student Services Officer and are subject to the Due Process Hearing and Appeal Procedures set forth in Section E of AP 5520 Discipline Procedures. Records of disciplinary suspensions shall be retained in the office of the Chief

Student Services Office and in the student's file (Education Code Sections 66017, 76030, and 76031).

- *Expulsion*: the permanent and unconditional removal of a student from the District. A student may be expelled only by the Board of Trustees upon recommendation of the Superintendent/President. The expulsion of a student is initiated by Chief Student Services Officer and is determined according to the Due Process Hearing and Appeal Procedures set forth in Sections E and F of AP 5520 Student Discipline Procedures (Education Code Section 76030).

# Alcohol and Drug Use Policy

The *Drug-Free Schools and Communities Act* Amendments of 1989 require institutions of higher education to implement a drug prevention program, which includes the annual dissemination of the following policy on alcohol and drug use:

Santa Barbara City College is committed to the success of each student and, as a college it realizes that the use of alcohol and drugs can be a major impediment to success.

There are physical and psychological health risks associated with drug and alcohol use, including decreased immunity, exhaustion, decreased muscle coordination, depression, confusion and paranoia, among other conditions. In most cases, anyone who uses drugs and abuses alcohol can expect a decline in the quality of his/her life and difficulty with academic success.

The Student Health Services Program offers educational programming, peer health education programs, resources and counseling, as well as referrals to community service agency counseling and rehabilitation programs.

According to the *Standards of Student Conduct*, possession, use or distribution of illicit drugs and alcohol on college property or during campus-related activities are subject to disciplinary action. This can be up to, and including, expulsion from SBCC, as well as punishment under California State law.

# Animals on Campus

Members of the campus community and visitors to the campus may bring their dogs or other pet animals to the campus as long as the owners comply with state and local regulations and these animals do not become a threat, nuisance, or significant distraction. With the exception of service animals, as defined in AP 3440, pet animals are not allowed in any District building, La Playa Stadium, or any District vehicle. See AP 3445 *Animals on Campus* for more information. Questions on college and municipal regulations in this area should be directed to the Campus Security Office.

# Attendance

All students enrolled at Santa Barbara City College are expected to be punctual and to attend class regularly. Students who are not in attendance at the first class meeting are considered "no-shows" and the instructor may drop such persons in order to give their seats to non-registered students seeking to enroll. Also, an instructor may withdraw a student from semester-length courses at any time for excessive absence through the 9th week of the Fall/Spring semesters, and the 60% point of the class for Summer and courses less than a semester in length. As a guideline, absence is considered excessive if a student misses three (3)

meetings, or the equivalent of one week of class attendance or according to absence guidelines as published in the course syllabus.

Absence due to a verified illness may be accepted as an excused absence for a limited period of time. Students are expected to notify their instructor by e-mail, phone and/or by sending a message via the learning management system (Canvas) if they are absent for a medical reason. Students are expected to make appointments for medical and dental treatments at times other than when classes are scheduled. Students anticipating or encountering extended absences due to medical, personal or family emergencies may contact the Dean, Student Affairs, Room SS-260, (805) 730-4037 for additional assistance as necessary.

It is the student's responsibility to officially withdraw online or in person in Admissions & Records prior to the published deadline. Students failing to officially withdraw may receive an "F", "FW" or "NP" grade.

# College Records

It is the responsibility of each student to:

1. Update their personal data within the Student Portal.
2. Withdraw officially from the college or drop classes when the student stops attending and to observe established deadlines.
3. Submit legal, not fraudulent, documents.
4. Repay any money received or owed as a result of the submission of fraudulent documentation or any other reason.

# Conduct

Santa Barbara City College is firmly committed to principles of honor, integrity, mutual respect and responsible citizenship. These values are embodied within the college's Honor Code. The Honor Code is the keystone to the college's belief that its students should act honorably and responsibly in all aspects of life, both on- and off-campus. The Honor Code incorporates the fundamental principles of honor, respect, citizenship and integrity in both personal conduct and academic work.

An effective honor code depends upon each student adhering to the spirit and letter of its principles. It demands accountability on the part of each student for his or her actions. Its essence is that any violation of this Code is an offense against the college community as a whole. The Honor Code is binding on all students and applies to all phases of student life at Santa Barbara City College. Students are responsible for their conduct at all times and shall be subject to disciplinary action for behavior that discredits themselves or Santa Barbara City College.

## Honor Code

As a citizen of an academic community built upon a framework of trust, respect, integrity and honor, I pledge to uphold the values of the Santa Barbara City College Honor Code.

### Academic Promise

I pledge truthfulness and absolute honesty in my performance on all academic work and pledge that all such work is a product of my efforts unless specifically assigned to be undertaken in a collaborative manner.

### Community Promise

- I pledge to be truthful at all times, to treat others with civility and respect, to respect the property of others and to adhere to Santa Barbara City College policies, administrative procedures and standards of student conduct.

- Accepting both the privileges and responsibilities of living by this code of honor, I resolve to uphold this code and not to tolerate any violations of its spirit or principles.
- As a commitment to these principles of honor and responsible citizenship, Santa Barbara City College students will be asked to read and sign the Honor Code as part of the application process.

*Education Code Section* 66300 states that the Board of Trustees shall adopt specific rules and regulations governing student behavior, along with applicable penalties, and that each student shall be provided with a copy of such policies. In compliance with this *Education Code* Section, the Board approved *Standards of Student Conduct* policies. A copy of these policies is available at Admissions & Records, SS-110 and are also available from the Dean, Educational Programs—Student Affairs, SS-260.

# Financial Aid Satisfactory Progress Standards

- Federal regulations mandate that all institutions of higher education establish minimum standards of "satisfactory academic progress" for students receiving financial assistance.
- All students who apply for and receive financial assistance are expected to meet the academic standards described in Santa Barbara City College's *Financial Aid Satisfactory Academic Progress Policy*.
- Copies of the Financial Aid Satisfactory Academic Progress Policy are available in the Financial Aid Office, Room SS-210, or read it online on the Financial Aid website (http://www.sbcc.edu/financialaid/) under Downloadable Forms.

## Responsibilities

It is the responsibility of an applicant for, and recipient of, financial aid to:

1. Provide complete and accurate information regarding financial aid enrollment status, and any changes which may occur, knowing that he/she is responsible for any consequences which may result from misreporting information.
2. Understand the college's refund policy.
3. Understand the college's academic standards policy.
4. Repay all student loans and notify the lender of any changes in name, address, or enrollment status.
5. Perform the work that is agreed upon on acceptance of a Federal Work Study (FWS) award.
6. Submit verifiable legal documents.

# Injury/Accident Reporting

All accidental student injuries must be reported to the Student Health Services Office Room SS-170 within 72 hours of the incident to be eligible for student accident policy insurance coverage. This coverage is limited to accidental injuries, as defined by the insurance policy, while participating in college classes or activities and is secondary to any other medical insurance the student may have. Coverage and limitations are outlined in a brochure available in the Student Health Services Office.

# Smoke-Free Workplace Policy

It is the intent of the college's governing Board of Trustees to maintain a workplace that is conducive to the health and safety of our students and employees. Realizing the health hazards posed by smoking and by second-hand smoke, it is the policy of the Santa Barbara Community College District to maintain a smoke-free campus. In addition, the use of smokeless tobacco is prohibited in any campus facility.

- This policy pertains to students, faculty, staff, administrators, visitors and the general public attending campus events.
- This policy shall apply to all SBCC facilities, owned or leased, regardless of location, and all state and auxiliary vehicles.
- Tobacco products shall not be commercially sold or distributed in any manner on campus. This includes free samples distributed by vendors. Advertising and sponsorship of campus events by tobacco companies is also prohibited.
- The campus shall make available to students, faculty, staff and administrators information about smoking-cessation programs.
- Smokers are requested to refrain from smoking while on campus. In any dispute arising under this policy, the rights of the non-smoker shall have preference. The district's Grievance Policy may be used in cases of unresolved disputes regarding this policy.

This policy is compliant with State law AB-846, Chapter 342, Sections 19994.30 and 19994.33, of the *Government Code Relating to Tobacco*.

# Student Success and Support Responsibilities

It is the responsibility of the matriculated student to:

1. Identify an education and career goal.
2. Cooperate with the college in the development of a Student Educational Plan within the prescribed time period and to abide by the terms of that plan.
3. Participate in academic and/or career counseling if the student is undecided in their academic m, not in good academic or progress standing, and/or is enrolled in English, reading or math courses that do not count toward the Associate Degree.
4. Diligently engage in course activities and complete assigned coursework.
5. Complete courses and maintain progress toward an educational goal and completing a course of study.

It is the responsibility of the College to:

1. Take steps to ensure information regarding its matriculation policies and procedures are accessible and available to students.
2. Ensure that once a student has identified a course of study and completed 15 semester units of degree applicable coursework the college shall provide the student with an opportunity to develop a comprehensive student education plan.

# Parking and Traffic Regulations
## Bikes, Skating and Skateboarding

Students are requested by the Campus Security Office to observe the following rules and advisories regarding bicycles, roller skating and skateboarding:

1. On campus, ride your bike on designated bike routes only;
2. have your bike registered with the City of Santa Barbara;
3. park and lock your bike in the bike racks provided;
4. bikes parked illegally will be impounded;

5. if you use your bike for transportation to and from campus, be sure to have sufficient lights and reflectors for night riding and good visibility; and

6. no roller devices (roller skates, roller blades, skateboards, coasters, scooters, toy vehicles, or any similar device) are permitted on campus at any time.

## Disabled Student Parking

Certain areas on the Santa Barbara City College campus have been designated for parking by disabled/handicapped students. Those students with significant disabilities may obtain authorization to park in such areas. Disabled parking permits may be applied for through the DSPS Office, Room SS-160. All vehicles parked in "Handicapped" zones must display the fee parking permit and a handicapped symbol. "Handicapped" zone violators will receive a $350 citation.

## Mopeds and Motorcycles

Permits are not required for mopeds and motorcycles. However, they may be parked only in the designated areas for such vehicles on campus.

## Parking and Traffic Enforcement

In accordance with the vehicle code, parking citations will be given for illegally parked vehicles in all campus parking lots. Payments should be submitted to the Cashier's Office, Room SS-150. Illegally parked vehicles may be towed away at the owner's expense. Vehicles with 5 or more outstanding citations may be subject to immobilization. The penalty fee schedule ranges from $20 to $350. If left unpaid for more than 21 days, a citation's cost doubles in price. Failure to pay for the citation or make appearance, as required, will result in further legal action.

## Permit Parking

Any student who intends to park a vehicle on campus must purchase a parking permit or pay for metered parking. Student permits may be purchased on the Student Portal. Student parking areas are provided along Loma Alta Drive, Shoreline Drive (beach frontage) Pershing Park and in West Campus lots. Cars are to be parked in those places specifically designated for students.

# ACADEMIC STANDARDS AND POLICIES

## Policy

The Board of Governors of the California Community Colleges has adopted the following community college criteria and standards, as stated in the *California Code of Regulations*, Title 5, Chapter 6, Sub-chapter 1, Article 1:

### Definitions

**Corequisite**—means a condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Where specified, some courses may be taken prior to or simultaneously in order to enroll in another course.

**Course**—means an organized pattern of instruction on a specified subject offered by a community college pursuant to subdivisions (a), (b) or (c), Section 55002.

**Course advisory**—means a condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

**Degree-applicable credit courses**—are those courses which have been designated as appropriate to the Associate Degree in accordance with the requirements of Section 55062, and which have been recommended by the college and/or district curriculum committee and approved by the district governing board as collegiate courses meeting the needs of students. Degree-applicable courses at SBCC are numbered 100 and above in this Catalog.

**Educational program**—is an organized sequence of courses leading to a defined objective, a degree, a certificate, a diploma, a license, or transfer to another institution of higher education.

**Noncredit basic skills courses**—are those courses In reading, writing, computation, and English as a Second Language which are designated by the community college district as noncredit courses pursuant to subdivision (c) of section 55002.

**Non-degree applicable**—are those courses which do not apply towards the unit requirement of the Associate Degree. Non-degree applicable courses at SBCC are numbered below 100 in this Catalog.

**Non-degree applicable basic skills courses**—are those in reading, writing, computation and English as a Second Language which are designated by the community college district as non-degree applicable credit courses pursuant to subdivision (c) of Section 55002.

**Prerequisite**—means a condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program.

**Satisfactory grade**—means that, for the course in question, the student's academic record has been annotated with the symbol A+, A, A-, B+, B, B-, C+, C or P as those symbols are defined in Section 55023.

## Criteria and Standards

A credit course is one which, at minimum:

1. Is recommended by the responsible college officials and the Curriculum Committee as being of appropriate rigor and has been approved by the local district governing board and the Chancellor of the California Community Colleges as a collegiate course meeting the needs of students eligible for admission.

2. Is taught by a credentialed instructor.

3. Is offered as described in a course of study outline in official college files. That outline shall specify the unit value, number of contact hours for the course as a whole, the prerequisites, corequisites or advisories for the course, the catalog description, scope, objectives and content in terms of a specific body of knowledge, required reading and writing assignments, and other outside-of-class assignments, instructional methodology and methods of evaluation for determining whether the stated objectives have been met by students.

4. Is taught in accordance with a set of instructional objectives common to all students as outlined in the course of study outline.

5. Provides for measurement of student performance in terms of the stated objectives and culminates in a formal, permanently recorded grade, based upon uniform standards in accordance with Section 55023. The grade is based on demonstrated proficiency in subject matter and the ability to demonstrate that proficiency, at least in part, by means of essays, or, in courses where the curriculum committee deems them to be appropriate, by problem-solving exercises or skills demonstrations by students.

6. Grants units of credit based upon a relationship specified by the governing board between the number of units assigned to the course and the number of lecture and/or laboratory hours or performance criteria specified in the course outline. The course also requires a minimum of three hours of student work per week, including class time for each unit of credit, prorated for short-term, extended term, laboratory and/or activity courses.

7. Treats subject matter with a scope and intensity which requires students to study independently outside of class time.

8. Requires, when the college deems appropriate, entrance skills and consequent prerequisites for the course before the students are enrolled.

9. When the college and/or district curriculum committee determines, based on a review of the course outline of study, that a student would be highly unlikely to receive a satisfactory grade unless the student has knowledge or skills not taught in the course, then the course shall require prerequisites or corequisites that are established, reviewed and applied in accordance with Section 55003.

10. Requires, in order to participate in the course, the ability to think critically and apply concepts at levels determined by the curriculum committee to be college-level.

11. Requires learning skills and a vocabulary which the curriculum committee deems appropriate for a college course.

12. Requires that educational materials used be judged by the curriculum committee to be college-level.

13. Repeated enrollment is allowed only in accordance with the provisions of Section 51002, Article 4 (commencing with Section 55040) of sub-chapter 1 of Chapter 6, and Section 58161.

A noncredit course is one which, at minimum:

1. Is recommended by the responsible college officials and the Curriculum Committee if the course treats subject matter and uses resource materials, teaching methods, and standards of attendance and achievement that the committee deems appropriate for enrolled

students. The course has been approved by the local district governing board and the Chancellor of the California Community Colleges.

2. The course is described in a course outline of record which is maintained in official college files and made available to each instructor. The course outline of record shall specify the number of contact hours normally required for a student complete the course, the catalog description, the objectives, contents in terms of a specific body of knowledge, instructional methodology, examples of assignments and/or activities and methods of evaluation for determining whether the stated objectives have been met.

3. All sections of the course are to be taught by a qualified instructor.

# Academic Standing

### Academic Good Standing
A student who earns and maintains a grade point average (GPA) of 2.0 or higher in all graded units for courses taken at Santa Barbara City College shall be considered to be in Academic Good Standing.

### Academic Probation
A student who has attempted at least twelve (12) cumulative graded units at the college, as shown by the official college transcript, shall be placed on academic probation if the student has earned a cumulative grade point average (GPA) below 2.0 in all graded units at Santa Barbara City College. Academic Probation shall not be noted on the official transcript. Students placed on academic probation may be subject to unit and course limitations and/or other conditions of enrollment. A student on academic probation shall be removed from probation and returned to academic good standing when the student's cumulative grade point average is 2.0 or higher.

### Academic Dismissal
A student shall be placed on academic dismissal if the student has earned a cumulative grade point average of less than 2.0 in all units attempted at the college in each of the two (2) most recent regular Fall or Spring semesters of attendance through first census. (For purposes of this section, semesters shall be considered consecutive on the basis of the student's enrollment, i.e., a Fall Semester followed by a Fall Semester shall be consecutive if the student was not enrolled for the intervening Spring Semester.)

A student placed on academic dismissal will be dismissed from the college for the subsequent semester. The student may petition the Dean, Student Affairs, to be reinstated and if approved will be permitted to enroll in the following semester, or after one or more semester (s) not in attendance the student may reapply and will be readmitted.

*Academic Dismissal Exception: When a student completes six (6) or more units and earns a GPA of 2.0 or higher for the current semester (for purposes of this exception, "Pass" is calculated as a "C" grade for the current semester only), the student will be automatically permitted to reenroll for each additional semester in which he/she satisfies the exception criteria or until the student returns to academic good standing. During the exception period, the student will retain academic dismissal exception status and may be subject to unit, course and/or other conditions deemed appropriate by the Office of the Dean, Student Affairs.*

### Progress Good Standing
A student who has completed more than 50% of all courses, with other than W, I and No Pass grades, as shown by the official academic record, shall be considered to be in progress good standing.

### Progress Probation
A student who has enrolled in at least twelve (12) semester units since Summer 1983 at Santa Barbara City College, as shown by the official academic record, shall be placed on progress probation when the percentage of the cumulative units for which entries of W, I and No Pass are recorded reaches or exceeds fifty per cent (50%). The student shall be removed from progress probation when the cumulative percentage of all W, I or No Pass units drops below 50%. Progress probation shall not be noted on the official transcript. Students placed on progress probation may be subject to unit and course restrictions and/or other conditions of enrollment.

### Progress Dismissal
Students who have enrolled in at least twelve (12) semester units since summer 1983 at Santa Barbara City College, as shown by the official academic record, shall be placed on progress dismissal when 50% or more of the cumulative units in which they have enrolled at the college are W, I and No Pass grades for each of the two (2) most recent regular Fall or Spring semesters of attendance through first census. (For purposes of this section, semesters shall be considered consecutive on the basis of the student's enrollment, i.e., a Fall semester followed by a Fall Semester shall be consecutive if the student was not enrolled for the intervening Spring Semester.) A student placed on progress dismissal will be dismissed from the college for the subsequent semester. The student may petition the Dean, Student Affairs, to be reinstated and if approved will be permitted to enroll for the following semester, or after one or more semester(s) not in attendance the student may reapply and will be readmitted.

*Progress Dismissal Exception: When a student completes more than 50% of the units taken during the current semester and has completed a minimum of six (6) units, the student will be automatically permitted to re-enroll for each additional semester in which he/she satisfies the exception criteria, or until the student returns to progress good standing. During the exception period, the student will retain progress disqualification exception status and may be subject to unit, course and/or other conditions deemed appropriate by the Office of the Dean, Student Affairs.*

### Readmission after Dismissal
A student placed on academic and/or progress disqualification who is dismissed may after one semester not in attendance reapply for admission and will be readmitted. A student may appeal the academic or progress dismissal by petitioning the Dean, Student Affairs (SS-260). Extenuating circumstances, such as, but not limited to, medical, psychological and legal reasons, and evidence of benefit, are considered. Dismissed students who are reinstated by petition or by administrative action or those re-enrolling after one or more semesters of absence may be subject to unit and course limitations and/or other conditions, such as required participation in support services designed to improve student success.

Students dismissed based on violations of the *Standards of Student Conduct* may be readmitted or reinstated subject to the terms of the suspension and/or dismissal.

# Academic Due Process

Procedures for due process are described in the District's Student Rights and Grievances (AP 5530) (http://sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP%205530%20Student%20Rights_Grievances.pdf). Copies are available in the Office of the Associate Dean, Educational Programs and Student Affairs, Campus Center Room 222.

# Academic Freedom

Freedom of expression is a legal right protected by the Constitution of the United States. Members of the faculty of Santa Barbara City College are entitled to freedom of expression, provided such expression does not impede or prevent responsible performance of job requirements or interfere with the mission and goals of Santa Barbara City College (SBCC). SBCC faculty members are entitled to freedom in the classroom and/or other teaching environments in discussing their subject matter. Controversy is a normal aspect of free academic inquiry and teaching, and it is proper to incorporate both the knowledge and beliefs of the faculty member into that which is taught; however, the freedom to teach must be joined by a constant effort to distinguish between knowledge and belief. Faculty members should allow the expression of differing points of view, while being careful to avoid the repeated and excessive intrusion of material that has no relation to their subject matter. See BP 4030 Academic Freedom *(*http://www.sbcc.edu/boardoftrustees/files/policies/chapter_4_bp_final/BP%204030%20Acad%20Freedom%20Rev.%209-15-14%20Ready%20for%20Website.pdf*)* for the complete policy.

# Academic Renewal (BPAP 4240)

The Santa Barbara City College (SBCC) District recognizes that students' academic records may contain grades that are not reflective of their current educational goals, abilities and circumstances in life. In order to more accurately reflect current educational goals and academic abilities, students may petition for Academic Renewal.

Guidelines:

- A maximum of 30 units: Students may petition to alleviate a maximum of 30 units completed at SBCC upon meeting the eligibility criteria.
- For Academic Renewal, "substandard coursework" is defined as letter grades below C (D+, D, D-, F, and FW).
- Academic Renewal may not be applied to any course that has been used to satisfy associate degree requirements, certificate of achievement, IGETC or CSU-GEB requirements.

To be eligible for academic renewal, a student must file a petition and meet the criteria below:

1. There shall be at least six (6) months between the end of the semester or summer term during which the course(s) to be alleviated is/are completed.
2. Students will demonstrate academic success by meeting the following benchmark:
   a. Completion of 6 semester units with a 2.00 GPA (any grade posted as A+, A, A-, B+, B, B-, C+, C, or P will count toward this requirement), at SBCC or another regionally accredited college subsequent to the coursework to be alleviated.
      i. Students using coursework from another regionally accredited college to meet the criteria must submit an official copy of their transcript(s) to Admissions and Records.
3. Currently enrolled students at SBCC must have an academic counselor sign the petition. Students who are not currently enrolled at SBCC are not required to have a counselor signature, but consultation with an academic counselor is strongly advised.
4. When the petition for academic renewal has been approved by Admissions and Records, the student's record will be annotated so that it clearly designates which courses have been alleviated by academic renewal. No courses alleviated by academic renewal will apply toward units or any other requirements for graduation. All work,

however, will remain legible on the permanent record to ensure a true and complete academic history.

5. This policy is adopted for use at SBCC. SBCC does not guarantee that other colleges will honor our Academic Renewal policy. That determination is made by the respective transfer institution.
6. Once granted, academic renewal may not be reversed.
7. Petitioning for Academic Renewal may impact financial aid eligibility and satisfactory academic progress (SAP).

Further information may be obtained from the Academic Counseling Center or Admissions & Records.

# Honors

### Graduating with Honors

At graduation, AA, AA-T, AS, AS-T degree candidates, with a 3.5 cumulative GPA, will receive special recognition as graduating with honors. Student's final transcripts and diploma(s) will also be noted accordingly.

### President's Honor Roll

Each semester, Santa Barbara City College includes on the President's Honor Roll: Full-time students who have completed twelve (12) units of letter-graded courses with a grade point average of 3.5, or better. In addition, students who have accumulated eighteen (18) graded units or more at Santa Barbara City College, with a cumulative grade point average of 3.5 or higher, and have completed a minimum of six (6) graded units with a 3.5 GPA during the semester, are included on the President's Honor Roll: Part-time students. Pass/No Pass grades are not considered.

SBCC students may also choose to participate in the Honors Program (https://www.sbcc.edu/honors/) and/or Phi Theta Kappa Honor Society

# Advanced Placement

Students who have completed Advanced Placement (AP) Examinations of the College Entrance Examination Board with scores of 3, 4, or 5 may receive credit at Santa Barbara City College for each advanced placement course as listed in the chart to follow.

Credit awarded through advanced placement *may* be used to satisfy graduation requirements toward the Department Award, Skills Competency Award, Certificate of Achievement and Associate Degree. The units earned from AP credit will not apply toward financial aid nor can they be used to satisfy the 12-unit residency requirement for graduation.

A score of 3, 4, or 5 is required to grant credit for IGETC and CSU GE certification. Each AP exam may be applied to one IGETC/CSU GE area as satisfying one course requirement, with some exceptions. Students who have earned credit from an AP exam should not take a comparable college course because transfer credit will not be granted for both. Visit the  CSU website to find the CSU policy for AP (https://www2.calstate.edu/apply/transfer/Pages/advanced-placement-ap.aspx).  Note that each campus in the California State University system determines how it will apply external examinations toward credit in the major. For information about course credit awarded toward the major by each CSU campus, contact the individual campus. For information about the UC policy for AP and about course credit awarded toward the major by each UC campus, visit the University of California Admissions website (https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/).

Refer to the Advanced Placement Chart (p. 58) for complete exam and credit listings.

## Attendance

All students enrolled at Santa Barbara City College are expected to be punctual and to attend class regularly. Students who are not in attendance at the first class meeting are considered "no-shows" and the instructor may drop such persons in order to give their seats to non-registered students seeking to enroll. Also, an instructor may withdraw a student from semester-length courses at any time for excessive absence through the 9th week of the Fall/Spring semesters, and the 60% point of the class for Summer and courses less than a semester in length. As a guideline, absence is considered excessive if a student misses three (3) meetings, or the equivalent of one week of class attendance or according to absence guidelines as published in the course syllabus.

Absence due to a verified illness may be accepted as an excused absence for a limited period of time. Students are expected to notify their instructor by email and/or phone message if they are absent for a medical reason. Students are expected to make appointments for medical and dental treatments at times other than when classes are scheduled. Students anticipating or encountering extended absences due to medical, personal or family emergencies should contact the Dean, Student Affairs, Room SS-260, (805) 730-4078.

It is the *student's responsibility* to officially withdraw from classes. Students failing to drop officially may receive an "F", "FW" or "NP" grade.

## Audits

Audit enrollment for a class is allowed upon the discretion of the instructor and adherence to Admissions & Records submission procedures and deadlines. Priority in class enrollment shall be given to students desiring to take the course for credit. Courses designated in the *Catalog* as repeatable may not be audited. No credit will be received for auditing, and the District does not maintain any attendance, transcript, or academic record for auditing.

## Change of Program

Registered students may change their programs during a designated period at the beginning of each semester. Students may add semester-length courses during the first two weeks of the semester only (*instructor approval required*). Withdrawals may be made at any time up to, and including, the last day to drop semester-length classes (end of the 9th week). For information about adding, dropping and withdrawing from Summer and all other classes, consult the *Schedule of Classes*, or obtain information from Admissions & Records. All program changes must be completed online or in person in Admissions & Records prior to the published deadline.

## Classification of Students

- **Full-time Student:** Carries 12 or more units
- **Three Quarter-Time:** Carries 9 or less than 12 units
- **Half-time Student:** Carries at least six units
- **Freshman Student:** Has earned fewer than 30 units of college credit
- **Sophomore Student:** Has earned 30 or more units of college credit, but does not hold a degree

## Course Enrollment Limits

An enrollment in a course occurs when a student receives an evaluative (A+, A, A-, B+, B, B-, C+, C, D+, D, D-, F, FW, P, NP, CR, NC) or non-evaluative symbol (W, I).

In general, a student who receives a satisfactory grade (A+, A, A-, B+, B, B-, C+, C, P, CR) in a non-repeatable credit course is permitted to enroll in that course only one time.

If a student receives a substandard grade (D+, D, D-, F, FW, NP, NC) and/or withdraws (W) from the course, the student is allowed to enroll in the course two more times for a maximum of three enrollments. An Excused Withdrawal (EW) does not count as an enrollment attempt.

## Course Load Limitations

A full-time course load for the community college student is a minimum of twelve (12) units per semester. The maximum is eighteen (18) units per semester. With 12 units per semester, it will take a minimum of five (5) semesters to complete a typical Associate Degree program, plus additional time to complete basic skills courses, if necessary. However, students with a cumulative 3.0 grade point average (GPA) with 12 or more units (excluding ESL) completed at SBCC may request to enroll in up to 20 (twenty) units with Admissions & Records approval. Permission to register in excess of twenty (20) units requires counselor authorization. Students who do not have a cumulative 3.0 grade point average (G.P.A) at SBCC and/or who have academic records from another college or high school may take an excess of eighteen (18) units with counselor authorization. Working students or students how may have health and/or family considerations may want to consider a proportionate course load adjustment.

During Summer Session, a full-time load is twelve (12) units. Students may enroll in a maximum of twelve (12) units for the session. Students with a cumulative 3.0 grade point average (GPA) at SBCC may request to enroll in up to thirteen (13) units with Admissions & Records approval. Ability to enroll in excess of thirteen (13) units requires counselor authorization. Students who do not have a cumulative 3.0 grade point average (GPA) at SBCC and/or who have academic records from another college or high school may take an excess of twelve (12) units with counselor authorization.

A major consideration for students, particularly first-time students and those returning to college after a lengthy absence is determination of an appropriate course load for their first semester. While the number of courses one can handle during a semester varies among individuals, experience indicates that, for most students, typical SBCC lecture courses require two hours of outside preparation for each hour in class. Thus, a 12-unit course load, for example, represents a commitment of 36 hours per week—comprised of 12 hours in class and 24 hours of outside preparation.

Students who plan to work while attending Santa Barbara City College may want to establish a course load that takes into account the demands of both work and school. For example, students who work full-time during their first semester may want to limit enrollment to six or seven units—or two classes. Students working 20 hours per week, are advised to consider a course load of 12 to 14 units. Through careful planning of workload, students can maximize their potential for success at SBCC.

Dual Enrollment student course load limitation information is available on the Dual Enrollment website (http://www.sbcc.edu/dualenrollment/).

## Special Program Unit Limitations

A minimum number of units must be taken for the following programs:

| Program | Units |
|---|---|
| Associated Student Government/ Student Senate | 5 |
| Clubs | 1 |
| Varsity Athletes (Repeats do not count) | 12 |
| Social Security Benefits | 12 |
| Federal Work-Study Program | 5 |
| Federal Student Loans | 6 |
| Veterans Benefits and Financial Aid: | |
|    Full-Time | 12 or more |
|    Three-Fouths Time | 9 to 11-1/2 |
|    Half-Time | 6 to 8-1/2 |
| EOPS | 12 or more |
|    Less than Half-Time | Less than 6 |

## Course Enrollment, Repetition and Withdrawal Limits

The following are in accordance with *California Code of Regulations*, Title 5, 55024, 55040, 55042 and 58161.

### Course Repetition to Alleviate a Substandard Grade

Students may not enroll in a course more than three times, except in limited circumstances. Enrollments include any combination of withdrawal(s) and grade(s). Course Repeat requests beyond three enrollments may be petitioned by the student if the below circumstances exist including, but not limited to:

- Significant lapse of time
- Active participatory courses
- Course repetition to alleviate substandard academic work
- Course repetition due to extenuating circumstances
- Disabled Student Programs and Services (DSPS) subject-coded courses
- Course repetition of cooperative work experience
- Course repetition due to employment, training, or other legal requirements

The student must submit a Petition for Course Repetition for review by the Scholastic Standards Committee. In order to be eligible for consideration of this exception, a student must clearly demonstrate the extenuating circumstances that prevented him/her from successfully completing the course in the three prior enrollments. Extenuating circumstances are verified cases of accidents, illnesses or other circumstances beyond the control of the student. Official documentation of extenuating circumstances is required. The Petition for Course Repetition is available on the Forms website (http://sbcc.edu/forms/) as are semester deadlines for petition submission.

### Course Repetition with a Prior Satisfactory Grade

Students may be permitted or required to repeat courses in which a satisfactory grade ("A+," "A," "A-," "B+," "B," "B-," "C+," C," "P," or "CR") was earned where there was a significant lapse of time (defined as no less than 36 months) since the grade was obtained and;

- Has established a recency prerequisite for a course or program
- Another institution of higher education to which the student seeks to transfer has established a recency requirement that the student will not be able to satisfy without repeating the requested course (official supporting documentation from the other institution is required.)

The Petition for Course Repetition with a "C" or Better is available on the Forms website (http://sbcc.edu/forms/) as are semester deadlines for petition submission.

## Credit for Prior Learning

Students may demonstrate proficiency in a course eligible for Credit for Prior Learning and receive college credit at SBCC through the approved alternative methods, including, but not limited to: credit by examination, military experience, standardized tests, industry credentials, and portfolio assessment. To receive Credit for Prior Learning, students must meet eligibility requirements and follow required procedures to petition for Credit for Prior Learning (see AP 4235 Credit for Prior Learning (https://sbcc.edu/boardoftrustees/board_policies_procedures.php)). For further information and assistance, students should email cpl-group@pipeline.sbcc.edu.

Credits earned via Credit for Prior Learning are not applicable to unit load requirements such as Financial Aid, Selective Service deferment, and Veteran's or Social Security benefits. However, any credits awarded through Credit for Prior Learning will be counted toward maximum unit count under the Financial Aid Satisfactory Academic Progress Policy.

Credits earned via Credit for Prior Learning shall not be counted in determining the 12 semester hours of credit in residence required for an Associate degree. Credits earned via Credit for Prior Learning options apply to SBCC degree and certificate programs only. Other institutions may not award Credit for Prior Learning or may apply credits differently.

## Field Trip and Excursion Policy

Throughout each semester and Summer Session, the Santa Barbara Community College District may sponsor voluntary off-campus, co-curricular field trips and excursions. If you choose to participate, you should be aware that, pursuant to the *California State Code of Regulations*, Sub-Chapter 5, Section 55450, you have agreed to hold the District, its officers, agents and employees harmless from any and all liability or claims which may arise out of, or be in connection with, your participation in the activity.

## Final Examinations

Final examinations on the entire semester's work are given at the close of each semester. Students are required to take scheduled final examinations at the appointed times and places in order to secure credit. If students find that it is impossible to avoid three finals in one day, and students cannot obtain an accommodation from their instructor(s), students may submit a written request for an adjustment in their final exam schedule to the Vice President, Academic Affairs, Room A-112.

Absence from a final due to an illness may be accommodated at the discretion of the instructor. Student should attempt to contact their instructor(s) within 24 hours of the scheduled exam. Absence due to illness must be verified by a physician. Students anticipating or encountering absence from finals(s) due to medical, personal or family emergencies, and who are unable to secure an accommodation from

their instructor(s), should contact the Dean, Student Affairs, Room SS-260, (805) 730-4078, to discuss their options.

Requests for changes in the exam schedule due to travel or employment schedules are examples of non-emergency conditions that will not be accommodated.

# Final Grades

Final grades will be available online in the Student Portal (web transcript), as instructors submit them. Final grades, official transcripts, diplomas and certificates will not be released if there is a hold or outstanding financial obligation on file at the Cashier's Office.

Instructor grades are final. Except in the case of an "I" or clerical error, instructors cannot change a grade once it has been accepted by Admissions & Records. Grades may not be revised by the instructor on the basis of a second trial, new examination, or additional work undertaken or completed after the date of the end-semester report.

# Grades and Grade Points

The system of grades and grade points at Santa Barbara City College is as follows:

| Symbol | Definition | Grade Point |
|---|---|---|
| A+ | Excellent | 4.0 |
| A | Excellent | 4.0 |
| A- | Excellent | 3.7 |
| B+ | Good | 3.3 |
| B | Good | 3.0 |
| B- | Good | 2.7 |
| C+ | Satisfactory | 2.3 |
| C | Satisfactory | 2.0 |
| D+ | Less than satisfactory | 1.3 |
| D | Less than satisfactory | 1.0 |
| D- | Less than satisfactory | 0.7 |
| F | Failing | 0.0 |
| FW | Failing (Unauthorized Withdrawal) | 0.0 |
| P[1] | Pass | |
| NP[2] | No Pass | |
| SP | Satisfactory Progress (Effective Spring 2017) | |
| I[3] | Incomplete | |
| IP[3] | In Progress | |
| RD[3] | Report Delayed | |
| W[3] | Withdrawal | |
| MW[3] | Military Withdrawal | |
| EW[3] | Excused Withdrawal | |

[1] At least satisfactory—units not counted in GPA; credit earned.
[2] Less than satisfactory—units not counted in GPA; units used in calculating units attempted for progress, probation and dismissal
[3] Non-evaluative symbols—no units or credit earned

# High School Articulation

Santa Barbara City College has an extensive Dual Enrollment Program, which offers college classes at high school campuses. See the "Dual Enrollment (https://catalog.sbcc.edu/special-instructional-programs/)" section of this *Catalog* for more information. In addition, high school students may earn college credit for the following high school ROP course: Computer Accounting (Accounting 110). Contact the Dual Enrollment Office at (805) 898-8174.

# Incompletes

An Incomplete (I) non-evaluative symbol may be issued at the end of the term by the instructor for unforeseeable, emergency, and justifiable reasons that preclude a student's final completion of course requirements. An "I" requires an Incomplete Contract signed by the instructor and student which shall contain the conditions for the removal of the "I" and the grade assigned if the Incomplete Contract conditions are not met within the stipulated timeframe. A copy of this contract must be given to the student and a copy submitted to Admissions & Records by the instructor and will be kept on file until the "I" is made up or the time limit has passed. A final grade will be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed.

The "I" shall be made up no later than the end of the following semester (i.e., Summer term—by the end of Fall semester; Fall semester—by the end of Spring semester, and Spring semester—by the end of Fall semester).

The "I" shall not be used in calculating units attempted or grade point. However, units attempted for which "I" is recorded shall be considered in Progress Probation and Disqualification procedures.

The student may petition the Scholastic Standards Committee for a time extension due to extenuating circumstances.

# Independent Study

SBCC offers independent study courses (numbered 299) that provide opportunities for students to explore a subject in depth beyond what is possible in existing courses.

Independent study courses provide opportunities for students to explore a subject in depth beyond what is possible in existing courses. A student may enroll in a maximum of four (4) units per semester of independent study; however, the transfer student should check the policy of the four-year institution of choice regarding the number of units of independent study which may be earned each semester. University of California credit may be awarded only after transfer and at the discretion of the UC campus. Independent study units are *NOT* included in the 60 units required for transfer to the UC. Consult with an academic counselor.

To be eligible for independent study, a student must have completed a minimum of 12 units at Santa Barbara City College, with a 2.5 GPA, and a minimum of six (6) units, with a 3.0 GPA within the department.

Each student is responsible for acquainting him/herself with department requirements and prerequisites, and for presenting his/her plan for study or project to an appropriate instructor. Instructors need not accept students for independent study, as their assignments may preclude additional responsibility.

Students who wish to register in independent study coursework should contact Admissions & Records to obtain the required form.

The form must be signed by the instructor of record, the department chairperson, and the academic dean, and assigned a section number by the Scheduling Office. It should be returned to Admissions & Records by the end of the second week of the semester (first week for Summer) for official registration.

## Official Transcripts to Other Colleges

Upon request of a student, an official transcript of the student's record at Santa Barbara City College will be sent to any college, university or third party. Official transcripts cost $3.00 each whether you are requesting standard postal mail (5-7 business days), or electronic PDF delivery (same day). Additional fees may apply for added delivery options. The first two official transcripts requested at SBCC are free (Credentials handling charge applies).

## Open Enrollment Courses

It is the policy of the Board of Trustees of the Santa Barbara Community College District that, unless specifically exempted by statute or regulation, every course, course section, or class, reported for state aid, wherever offered and maintained by the District, shall be fully open to enrollment and participation by any person who has been admitted to Santa Barbara City College and who meets such prerequisites as may be established pursuant to Section 55003 of Division 6 of Title 5 of the *California Code of Regulations*.

## Pass/No Pass Grading

Students may elect a Pass/No Pass grading option with a faculty signature (academic counselor, department chairperson, or instructor of record). A completed Pass / No Pass form (https://sbcc-transform.perceptivecloud.com/iFiller/iFiller.jsp?fref=24e9c660-c9ba-4d43-af25-b4850f7af5f4) must be submitted to Admissions & Records no later than the last day of instruction for the course. After that time, neither the student nor the instructor may change the decision. A pass grade is granted for performance that is equivalent to the letter grade of "C" or better, which equates to satisfactory completion. A student who fails to perform satisfactory will be assigned a "no pass" grade.  Transfer institutions may not accept all course with Pass/No Pass grading. You are encouraged to consult with an academic counselor about your decision to take a course Pass/No Pass and the ramifications it may have towards meeting degree and/or transfer requirements.

## Repeated Courses

Whenever an eligible course in which a sub-standard grade (D+, D, D-, F, FW, NC or NP) has been received is repeated at SBCC and completed with a grade other than "W," the original grade remains part of the transcript. The original grade and course units are noted with an "E" for exclude. Units and grade points for the original grade are excluded from the SBCC GPA calculation. Courses in which a student has received a grade of D+, D, D-, F, NC or NP may be repeated twice (not to exceed a maximum of 3 enrollments). Those courses, in which a student has received a "C" grade, or better, may not be repeated. Exceptions to this policy are listed under "Course Repetition Policy" in this *Catalog*.

## Revisions of Catalog Regulations

Requirements for graduation, fees, course offerings and other regulations and policies are subject to change without notice and will be effective for all students as changed.

## Transfer of Credits from Foreign Countries

Only credentials issued by recognized institutions may be used for admission or transfer credit in the United States. Transfer credits from foreign countries will be accepted with the recommendations of an approved foreign credential transcripts evaluation and translation service, in consultation and approval by appropriate department faculty and/or by the Transcript Evaluations Office under authority of appropriate department faculty. Specific credit of any subject with content that may vary according to regional influence will be evaluated by the Transcript Evaluation Office to determine content, relevance and SBCC course credit. Quarter system units earned will be converted to semester units (semester units = quarter units / 1.5). Refer to the Transcript Evaluation Policy (http://www.sbcc.edu/transcriptevaluationpolicy/) for additional information.

## Transfer of Credits from Other American Colleges

Santa Barbara City College grants lower division credit for most degree-applicable coursework completed at regionally accredited (Associations of Colleges and Schools) institutions of higher learning. Credit earned at a time when an institution was a candidate for accreditation may be accepted for credit. To earn units and/or subject credit from previous coursework, students must submit an official transcript to the SBCC Admissions & Records Office. Official transcripts of all high school and college work are important documents to have on file for proper counseling/advisement and are required for degree certification. Upon request transfer course work will be evaluated by appropriate department faculty and/or by the Transcript Evaluation Office under authority of appropriate department faculty. Subject and unit credit will not be granted for post-baccalaureate level course work. Quarter system units earned will be converted to semester units (semester units = quarter units / 1.5). Refer to the Transcript Evaluation Policy (http://www.sbcc.edu/transcriptevaluationpolicy/) for additional information.

## Transfer of Credits to Other Colleges and Universities

Santa Barbara City College is fully accredited by the Accrediting Commission for the Community and Junior Colleges, which is part of the Western Association of Schools and Colleges. All courses equivalent to university and college work are generally accepted by all WASC member colleges and most other colleges and universities in the United States. Specific Information on course and/or program articulation agreements with the University of California and the California State University can be found by visiting the Assist website (http://www.assist.org) and the SBCC Articulation website (http://articulation.sbcc.edu). For Information on articulation agreements with California independent colleges, out of state colleges and international colleges, contact the Santa Barbara City College University Transfer Center or the SBCC Articulation Officer.

The college is also approved by the California Department of Education for the training of veterans under the provisions of the *G.I. Bill of Rights*, and by the U.S. Immigration and Naturalization Service for non-quota immigration students in accordance with provisions of Section 101 (a) (15) of the *Immigration and Naturalization Act*, as amended. Accreditation materials are available for review in the Luria Library.

## Unit of Credit

*Credit Courses*: One credit hour of community college work (one unit of credit) requires a minimum of 48 hours of lecture, study, or laboratory

work per semester (*California Code of Regulations 55002.5*). For every unit of credit, it is expected that the student will spend at least two hours a week in outside preparation or three hours a week in supervised study or laboratory work.

## Withdrawal from Classes

If students must withdraw from college/classes, they may do so online or in person in Admissions & Records by the end of the 9th week of the semester for semester-length classes. Withdrawal dates for Summer classes and courses less than semester-length vary. Information regarding a specific class is available on the student *Schedule/Bill* found on the Class Schedules website (http://www.sbcc.edu/classes/) or from Admissions & Records. Students failing to officially withdraw by the stated deadlines will receive an evaluative grade.

## Excused Withdrawal from Classes

Students may petition the Admissions & Records Office to request an Excused Withdrawal (EW). The EW  symbol reflects that a student's withdrawal from a course was compelled by circumstances beyond the student's control. The student shall complete and submit the Petition for Waiver of College Regulations to Admissions and Records. The petition shall be reviewed by the Scholastic Standards Committee and if granted an "EW" would be assigned by Admissions and Records. Excused withdrawals shall not be counted in progress probation or disqualification calculations and shall not be counted for the permitted number of withdrawals or counted as an enrollment attempt.

## Withdrawal from Semester-Length Classes

1. A student may initiate a withdrawal from a full semester-length class after the second week but prior to the end of the 9th week.

Students are encouraged to consult with the instructor concerning the withdrawal, but the instructor may not withhold the "W."

2. An instructor may drop/withdraw a student for excessive unexcused absences at any time prior to the end of the 9th week of the semester. Absence is considered excessive if a student misses more than the equivalent of one week of classes during the semester, or according to absence guidelines as published in a course syllabus. After the 9th week, the instructor must give an evaluative grade (A+-F), or Pass/No Pass, if appropriate forms are on file with Admissions & Records.

3. A student who remains in a class beyond the end of the 9th week must receive a grade other than a "W."

4. The "W" shall not be used in calculating grade point averages, but excessive "W"s shall be used as a factor in progress probation and dismissal procedures.

5. Students will be blocked from registering in courses in which they have three previously recorded "W" notations or have exceeded the maximum enrollment limit (see Course Enrollment, Repetition and Withdrawal Limits). Students may petition Admissions & Records for exceptions (http://sbcc.edu/forms/).

6. If a student officially drops prior to the course census date, no notation will be recorded on the transcript.

7. A student activated for military service may receive a military withdrawal (MW) at any time during the semester. Contact Admissions & Records. Military withdrawals will not factor into progress probation, dismissal and shall not be counted for the permitted number of withdrawals.

## Advanced Placement Chart

*Visit the* Articulation website *(*http://articulation.sbcc.edu/ap/ap.pdf*) for the most current information on Advanced Placement credit.

| Advanced Placement Exam | Score | SBCC Semester Associate Degree Units Awards | SBCC GE Credit Area/s | Course Equivalent for SBCC's Associate Degree or Certificate | Minimum CSU Transferable Semester Units Awarded | UC Transferable Semester Units Awarded | CSU GE Credit Area/s and Semester Units for CSU GE | IGETC Credit Area/s and Semester Units for IGETC |
|---|---|---|---|---|---|---|---|---|
| Art History | 3, 4, 5 | 3.0 | C | ART 103 or ART 104 | 6.0 | 5.3 (UC-H)[6] | C1 or C2 (3 units) | 3A or 3B (3 units) |
| Biology | 3, 4, 5 | 4.0 | A | None | 6.0 | 5.3 (UC-S)[6] | B2 & B3 (4 units) | 5B & 5C(4 units)[1] |
| Calculus AB | 3, 4, 5 | 5.0 | D2 & E1 | MATH 150 | 3.0 (maximum credit, one exam for all Calculus exams) | 2.6 (5.3 units maximum for all Calculus exams) (UC-M)[6] | B4 (3 units) | 2A (3 units) |
| Calculus BC | 3, 4, 5 | 5.0 | D2 & E1 | MATH 160 | 6.0 (maximum credit, one exam for all Calculus exams) | 5.3 (5.3 units maximum for all Calculus exams) (UC-M)[6] | B4 (3 units) | 2A (3 units) |

| Exam | Score | Units | Area | Course | Credit | UC | CSU GE | IGETC |
|---|---|---|---|---|---|---|---|---|
| Calculus BC/AB Subscore[2] | 3, 4, 5 | 5.0 | D2 & E1 | MATH 150 | 3.0 (maximum credit, one exam for all Calculus exams) | 2.6 (5.3 units maximum for all Calculus exams) (UC-M)[6] | B4 (3 units) | 2A (3 units) |
| Chemistry | 3, 4, 5 | 4.0 | A | CHEM 101 | 6.0 | 5.3 (UC-S)[6] | B1 & B3 ( 4 units F09 & after, 6 units prior to F09) | 5A & 5C (4 units)[1] |
| Chinese Language and Culture | 3 | 5.0 | C | CHIN 102 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Chinese Language and Culture | 4 | 5.0 | C | CHIN 103 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Chinese Language and Culture | 5 | 5.0 | C | None | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Computer Science: A | 3, 4 | TBD | None | TBD | 3.0 (maximum credit, one exam for Computer Science A and AB exams. Computer Science AB no longer offered) | 5.3 | None | None |
| Computer Science: A | 5 | 3.0 | None | CS 105 | 3.0 (maximum credit, one exam for Computer Science A and AB exams. Computer Science AB no longer offered) | 5.3 | None | None |
| Computer Science Principles | 3, 4, 5 | 4.0 | D2 | CS 101 | 6.0 | 5.3 | B4 (3 units) | None |
| English Language and Composition | 3, 4 | 4.0 | D1 | ENG 110 | 6.0 | 5.3 (5.3 units maximum for both English exams) (UC-E)[6] | A2 (3 units) | 1A (3 units) |
| English Language and Composition | 5 | 7.0 | D1 & D2 or C | ENG 110 & ENG 111 | 6.0 | 5.3 (5.3 units maximum for both English exams) (UC-E)[6] | A2 (3 units) | 1A (3 units) |
| English Literature and Composition | 3, 4 | 4.0 | D1 | ENG 110 | 6.0 | 5.3 (5.3 units maximum for both English exams) (UC-E/H)[6] | A2 & C2 (6 units) | 1A or 3B (3 units) |
| English Literature and Composition | 5 | 7.0 | D1 & D2 or C | ENG 110 & ENG 111 | 6.0 | 5.3 (5.3 units maximum for both English exams) (UC-E/H)[6] | A2 & C2 (6 units) | 1A or 3B (3 units) |
| Environmental Science | 3, 4, 5 | 4.0 | A | None | 4.0 | 2.6 (UC-S)[6] | B1 & B3[3] (4 units) | 5A & 5C (3 units)[1] |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| European History | 3, 4, 5 | 3.0 | B or C | HIST 104 | 6.0 | 5.3 (UC-B/H)[6] | C2 or D6 (3 units) | 3B or 4 (3 units) |
| French Language and Culture | 3 | 5.0 | C | FR 102 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units F09 & after, 6 units prior to F09) | 3B & 6A (3 units) |
| French Language and Culture | 4 | 5.0 | C | FR 103 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units F09 & after, 6 units prior to F09) | 3B & 6A (3 units) |
| French Language and Culture | 5 | 5.0 | C | FR 104 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units F09 & after, 6 units prior to F09) | 3B & 6A (3 units) |
| German Language and Culture | 3 | 5.0 | C | GER 102 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units F09 & after, 6 units prior to F09) | 3B & 6A (3 units) |
| German Language and Culture | 4 | 5.0 | C | GER 103 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units F09 & after, 6 units prior to F09) | 3B & 6A (3 units) |
| German Language and Culture | 5 | 5.0 | C | GER 104 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units F09 & after, 6 units prior to F09) | 3B & 6A (3 units) |
| Government & Politics: Comparative | 3, 4, 5 | 3.0 | B & E5 | POLS 121 | 3.0 | 2.6 (UC-B)[6] | D8 (3 units) | 4 (3 units) |
| Government and Politics: United States | 3, 4, 5 | 3.0 | B & E2 | POLS 101 | 3.0 | 2.6 (UC-B)[6] | D8 (3 units) & CSU AIR[4] (US-2) | 4 (3 units) & AIR[4] (US-2) |
| Human Geography | 3, 4, 5 | 3.0 | B & E5 | GEOG 102 | 3.0 | 2.6 (UC-B)[6] | D5 (3 units) | 4 (3 units) |
| Italian Language and Culture | 3 | 5.0 | C | ITAL 102 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Italian Language and Culture | 4 | 5.0 | C | ITAL 103 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Italian Language and Culture | 5 | 5.0 | C | ITAL 104 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Japanese Language and Culture | 3 | 5.0 | C | JAPN 102 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Japanese Language and Culture | 4 | 5.0 | C | JAPN 103 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Japanese Language and Culture | 5 | 5.0 | C | JAPN 104 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units) | 3B & 6A (3 units) |
| Latin | 3, 4, 5 | 5.0 | C | LATN 102 | 6.0[5] | 5.3 (UC-H)[6] | C2 (3 units)[5] | 3B & 6A (3 units)[5] |
| Macroeconomics | 3 | 3.0 | B | None | 3.0 | 2.6 (UC-B)[6] | D2 (3 units) | 4 (3 units) |
| Macroeconomics | 4,5 | 3.0 | B | ECON 102 | 3.0 | 2.6 (UC-B)[6] | D2 (3 units) | 4 (3 units) |
| Microeconomics | 3 | 3.0 | B | None | 3.0 | 2.6 (UC-B)[6] | D2 (3 units) | 4 (3 units) |
| Microeconomics | 4,5 | 3.0 | B | ECON 101 | 3.0 | 2.6 (UC-B)[6] | D2 (3 units) | 4 (3 units) |
| Music Theory | 3 | 3.0 | C | None | 6.0 | 5.3 (UC-H)[6] | C1 (3 units) Must have passed test before Fall 09 | None |

| Music Theory | 4, 5 | 3.0 | C | MUS 104A | 6.0 | 5.3 (UC-H)[6] | C1 (3 units) Must have passed test before Fall 09 | None |
|---|---|---|---|---|---|---|---|---|
| Physics 1: Algebra-Based | 3 | 4.0 (6.0 degree-applicable units maximum for all Physics exams) | A | PHYS 101 & PHYS 101L or PHYS 102 | 4.0 (6.0 transferable units maximum for all Physics exams) | 5.3 (5.3 units maximum for all Physics exams) (UC-S)[6] | B1 & B3 (4 GE units maximum for all Physics exams) | 5A & 5C (4 units)[1] |
| Physics 1: Algebra-Based | 4,5 | 4.0 (6.0 degree-applicable units maximum for all Physics exams) | A | PHYS 101 & PHYS 101L or PHYS 102 or PHYS 105 | 4.0 (6.0 transferable units maximum for all Physics exams) | 5.3 (5.3 units maximum for all Physics exams) (UC-S)[6] | B1 & B3 (4 GE units maximum for all Physics exams) | 5A & 5C (4 units)[1] |
| Physics 2: Algebra-Based | 3 | 4.0 (6.0 degree-applicable units maximum for all Physics exams) | A | PHYS 101 & PHYS 101L or PHYS 102 | 4.0 (6.0 transferable units maximum for all Physics exams) | 5.3 (5.3 units maximum for all Physics exams) (UC-S)[6] | B1 & B3 (4 GE units maximum for all Physics exams) | 5A & 5C (4 units)[1] |
| Physics 2: Algebra-Based | 4,5 | 4.0 (6.0 degree-applicable units maximum for all Physics exams) | A | PHYS 101 & PHYS 101L or PHYS 102 or PHYS 106 | 4.0 (6.0 transferable units maximum for all Physics exams) | 5.3 (5.3 units maximum for all Physics exams) (UC-S)[6] | B1 & B3 (4 GE units maximum for all Physics exams) | 5A & 5C (4 units)[1] |
| Physics C: Electricity and Magnetism | 3, 4, 5 | 4.0 (6.0 degree-applicable units maximum for all Physics exams) | A | PHYS 106 or PHYS 111 | 4.0 (6.0 transferable units maximum for all Physics exams) | 2.6 (5.3 units maximum for all Physics exams) (UC-S)[6] | B1 & B3 (4 GE units maximum for all Physics exams) | 5A & 5C (3 units)[1] |
| Physics C: Mechanics | 3, 4, 5 | 4.0 (6.0 degree-applicable units maximum for all Physics exams) | A | PHYS 105 or PHYS 110 | 4.0 (6.0 transferable units maximum for all Physics exams) | 2.6 (5.3 units maximum for all Physics exams) (UC-S)[6] | B1 & B3 (4 GE units for all Physics exams) | 5A & 5C (3 units)[1] |
| Precalculus | 3, 4, 5 | TBD | TBD | TBD | 3.0 | None | B4 | None |
| Psychology | 3, 4, 5 | 3.0 | B | PSY 100 | 3.0 | 2.6 (UC-B)[6] | D9 (3 units) | 4 (3 units) |
| Research | TBD | TBD | TBD | TBD | TBD | TBD | TBD | TBD |
| Seminar | 3, 4, 5 | TBD | None | None | 3.0 | TBD | None | None |
| Spanish Language and Culture | 3 | 5.0 | C | SPAN 102 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units S14 & after, 6 units prior to S14) | 3B & 6A (3 units) |
| Spanish Language and Culture | 4 | 5.0 | C | SPAN 103 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units S14 & after, 6 units prior to S14) | 3B & 6A (3 units) |
| Spanish Language and Culture | 5 | 5.0 | C | SPAN 104 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units S14 & after, 6 units prior to S14) | 3B & 6A (3 units) |
| Spanish Literature and Culture | 3 | 5.0 | C | SPAN 102 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units S13 & after, 6 units prior to S13) | 3B & 6A (3 units) |
| Spanish Literature and Culture | 4 | 5.0 | C | SPAN 103 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units S13 & after, 6 units prior to S13) | 3B & 6A (3 units) |
| Spanish Literature and Culture | 5 | 5.0 | C | SPAN 104 | 6.0 | 5.3 (UC-H)[6] | C2 (3 units S13 & after, 6 units prior to S13) | 3B & 6A (3 units) |
| Statistics | 3, 4, 5 | 4.0 | D2 & E1 | MATH 117 | 3.0 | 2.6 (UC-M)[6] | B4 (3 units) | 2A (3 units) |

| Studio Art: Drawing | 3, 4, 5 | 3.0 | C | ART 120 or ART 121 | 3.0 | 5.3 (5.3 units maximum for all 3 Art Studio exams) | None | None |
|---|---|---|---|---|---|---|---|---|
| Studio Art: 2-D Design | 3, 4, 5 | 3.0 | C | ART 120 or ART 140 | 3.0 | 5.3 (5.3 units maximum for all 3 Art Studio exams) | None | None |
| Studio Art: 3-D Design | 3, 4, 5 | 3.0 | C | ART 120 or ART 140 | 3.0 | 5.3 (5.3 units maximum for all 3 Art Studio exams) | None | None |
| United States History | 3, 4, 5 | 3.0 | B or C & E2 | HIST 101 or HIST 102 | 6.0 | 5.3 (UC-B/H)[6] | C2 or D6 (3 units) & AIR[4] (US-1) | 3B or 4 (3 units) & AIR[4] (US-1) |
| World History | 3, 4, 5 | 3.0 | B or C & E5 | HIST 107 or HIST 108 | 3.0 | 5.3 (UC-B/H)[6] | C2 or D6 (3 units) | 3B or 4 (3 units) |
| World History (Modern) | 3, 4, 5 | 3.0 | B or C & E5 | HIST 108 | 3.0 | 5.3 (UC-B/H)[6] | C2 or D6 (3 units) | TBD |

[1]  *IMPORTANT NOTES ABOUT AP SCIENCES FROM IGETC STANDARDS:* AP exams in Biology, Chemistry or Physics 1 and 2 (which replaced Physics B) allow CCC campuses to apply 4 semester or 5 quarter units to IGETC certification. For Environmental Science, Physics C: Mechanics and Physics C: Electricity/Magnetism, 3 semester or 4 quarter units are applied for IGETC certification; therefore, students who complete these exams will be required to complete at least 4 semester or 5 quarter units to satisfy the minimum required units for Area 5.

[2]  Students who take the Calculus BC examination and earn a sub-score of 3 or higher on the Calculus AB portion will receive credit for the Calculus AB examination, even if they do not receive a score of 3 or higher on the BC examination.

[3]  *IMPORTANT NOTES ABOUT AP ENVIRONMENTAL SCIENCE FOR CSU GE BREADTH*: Students who pass AP Environmental Science earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1+B3 or B2+B3 of GE Breadth. Fall of 2009 or later, those credits may only apply to B1+B3.

[4]  *IMPORTANT NOTES ABOUT AMERICAN IDEALS (AIR) GRADUATION REQUIREMENT*:

  1. At the discretion of the CSU Campus granting the degree, courses meeting this requirement may also be counted toward certification in General Education (GE Breadth or IGETC).

  2. CSU U.S. History, Constitution, and American Ideals Courses (AIR requirement) – Students satisfy this CSU graduation requirement through coursework in three areas:
     - US-1: Historical development of American institutions and ideals — may be completed with a score of 3 or higher on Advanced Placement U.S. History
     - US-2: U.S. Constitution and government - may be completed with a score of 3 or higher on Advanced Placement U.S. Government and Politics
     - US-3: California state and local government – cannot be satisfied with an Advanced Placement score. Students must complete an approved course at a California community college or complete this requirement at the CSU campus after transfer.

[5]  Students seeking certification for the Latin: Literature test must have passed the test before Fall 2009. Credit for the Latin: Literature test is awarded as follows: CSU GEB Area C2 (3 units) and 6 units of CSU elective credit or IGETC Areas 3B and 6A (3 units) and 2.7 units of UC elective credit. Students seeking certification for the Latin: Vergil test must have passed the test before Fall 2012. Credit for the Latin: Vergil test is awarded as follows: CSU GEB Area C2 (3 units) and 3 units of CSU elective credit or IGETC Areas 3B and 6A (3 units) and 2.7 units of UC elective credit;

[6]   For transfer students AP exams can be used to meet the minimum transfer admission subject requirements in English (UC-E), math (UC-M), and four other courses chosen from the humanities (UC-H), behavioral/social sciences (UC-B) and biological/physical sciences (UC-S).

*Other Notes:*

1. Music Theory sub-score: The UC system grants credit for the full Music Theory exam. Students who earn only a sub-score will not receive exam credit.

2. Duplication of AP and college courses taken before or after attending UC may duplicate IB, AP and/or A-Level examinations.  Additionally, exams may duplicate each other (for example, an AP or IB exam in the same subject area).  If the student does duplicate an exam with another exam of the same subject content and/or an exam with a college course, UC will award credit only once.

3. Consult each individual UC and CSU campus website for more information on their campus-specific AP policy.

# College-Level Examination Program (CLEP)

**Santa Barbara City College**

Santa Barbara City College may grant credit toward the Associate Degree by petition for some College-Level examinations, where a minimum score of 50 has been earned.  Students wishing to receive credit for CLEP should contact the college's Articulation Officer for petition procedures.

**University of California**

The University of California does not award credit for the College-Level Examination Program (CLEP).

**California State University**

The following CLEP examinations can be used for credit toward the 60 CSU-transferable units required for transfer admission and toward CSU GE Breadth certification as shown in the following chart:

| CLEP Subject | Score | CSU Elective Units | Units for CSU GE | CSU GE Area |
|---|---|---|---|---|
| American Government | 50 | 3.0 | 3.0 | D8 |
| American Literature | 50 | 3.0 | 3.0 | C2 |
| Analyzing and Interpreting Literature | 50 | 3.0 | 3.0 | C2 |
| Biology | 50 | 3.0 | 3.0 | B2 |
| Calculus | 50 | 3.0 | 3.0 | B4 |
| Chemistry | 50 | 3.0 | 3.0 | B1 |
| College Algebra | 50 | 3.0 | 3.0 | B4 |
| College Algebra-Trigonometry | 50 | 3.0 | 3.0 | B4 |
| College Composition | 50 | 0.0 | 0.0 | N/A |
| College Composition-Modular | 50 | 0.0 | 0.0 | N/A |
| College Mathematics | 50 | 0.0 | 0.0 | N/A |
| English Composition (no essay) | 50 | 0.0 | 0.0 | N/A |
| English Composition (w/ essay) | 50 | 0.0 | 0.0 | N/A |
| Financial Accounting | 50 | 3.0 | 0.0 | N/A |
| French, Level I[1] | 50 | 6.0 | 0.0 | N/A |
| French, Level II[1] | 59 | 9.0 | 3.0 | C2 |
| Freshman College Composition | 50 | 0.0 | 0.0 | N/A |
| German, Level I[1] | 50 | 6.0 | 0.0 | N/A |
| German, Level II[1] | 60 | 9.0 | 3.0 | C2 |
| History, United States I | 50 | 3.0 | 3.0 | D6 & US-1 |
| History, United States II | 50 | 3.0 | 3.0 | D6 & US-1 |
| Human Growth & Development | 50 | 3.0 | 3.0 | E |
| Humanities | 50 | 3.0 | 3.0 | C2 |
| Info Sys & Comp Applications | 50 | 3.0 | 0.0 | N/A |
| Intro to Educational Psychology | 50 | 3.0 | 0.0 | N/A |
| Introductory Business Law | 50 | 3.0 | 0.0 | N/A |
| Introductory Psychology | 50 | 3.0 | 3.0 | D9 |
| Introductory Sociology | 50 | 3.0 | 3.0 | D0 |
| Natural Sciences | 50 | 3.0 | 3.0 | B1 or B2 |
| Pre-Calculus | 50 | 3.0 | 3.0 | B4 |
| Principles of Accounting | 50 | 3.0 | 0.0 | N/A |
| Principles of Macroeconom | 50 | 3.0 | 3.0 | D2 |
| Principles of Management | 50 | 3.0 | 0.0 | N/A |
| Principles of Marketing | 50 | 3.0 | 0.0 | N/A |
| Principles of Microeconomics | 50 | 3.0 | 3.0 | D2 |
| Social Sciences and History | 50 | 0.0 | 0.0 | N/A |
| Spanish, Level I[1] | 50 | 6.0 | 0.0 | N/A |
| Spanish, Level II[1] | 63 | 9.0 | 3.0 | C2 |
| Western Civilization I | 50 | 3.0 | 3.0 | C2 or D6 |
| Western Civilization II | 50 | 3.0 | 3.0 | D6 |

[1]  If a student passes more than one CLEP test in the same language other than English (e.g., two exams in French), then only one examination may be applied to the baccalaureate. For each test in a

language other than English, a passing score of 50 is considered "Level I" and earns six units of baccalaureate credit; the higher score listed for each test is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth, as noted.

Visit the California State University website to find the CSU policy for CLEP (https://www2.calstate.edu/apply/transfer/pages/college-level-examination-program.aspx). *Each campus in the California State University system determines how it will apply external examinations toward credit in the major. Contact the individual CSU campus for more information.*

# International Baccalaureate Examination Program

**Santa Barbara City College**

Santa Barbara City College may grant credit toward the Associate Degree by petition for some high-level International Baccalaureate examinations, where a grade of a 5, 6, or 7 has been earned.  Students wishing to receive credit for international baccalaureate examinations should contact the college's Articulation Officer for petition procedures.

**University of California and California State University**

A score of 5, 6 or 7 on Higher Level exams is required to grant credit for IGETC and CSU GE Breadth certification (exception: a score of 4 the following IB subjects is considered a passing score for CSU GE Breadth certification: Language A Literature HL, Language A Language and Literature HL, Language B HL, Mathematics HL and Theatre HL). An acceptable IB score for IGETC or CSU GE Breadth equates to either 3 semester or 4 quarter units for certification purposes. Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both. Consult each individual UC and CSU campus website for more information on their campus specific IB policy.

| IB Subject | CSU Elective Units[1] | UC Elective Units[2] | IGETC Area | CSU GE Area |
|---|---|---|---|---|
| Anthropology HL | TBD | 5.3 | TBD | TBD |
| Biology HL | 6.0 | 5.3 | 5B (without lab) | B2 |
| Business Management HL | TBD | 5.3 | TBD | TBD |
| Chemistry | 6.0 | 5.3 | 5A (without lab) | B1 |
| Computer Science HL | TBD | 5.3 | TBD | TBD |
| Dance HL | TBD | 5.3 | TBD | TBD |
| Economics HL | 6.0 | 5.3 | 4 | D2 |
| Film HL | TBD | 5.3 | TBD | TBD |
| Geography HL | 6.0 | 5.3 | 4 | D5 |
| Global Politics | TBD | 5.3 | TBD | TBD |
| History (any region) HL | 6.0 | 5.3 | 3B or 4 | C2 or D6 |
| Language A: Language and Literature (any language) HL | 6.0* | 5.3 | 3B | C2 |
| Language A: Language and Literature(any language, except English) HL | 6.0* | 5.3 | 3B and 6A | C2 |
| Language A: Literature (any language) HL | 6.0* | 5.3 | 3B | C2 |
| Language A: Literature (any language, except English) HL | 6.0* | 5.3 | 3B and 6A | C2 |
| Language B (any language) HL | 6.0* | 5.3 | 6A | N/A |
| Mathematics HL | 6.0* | 5.3 | 2A | B4 |
| Mathematics, Further HL | TBD | 5.3 | TBD | TBD |
| Music HL | TBD | 5.3 | TBD | TBD |
| Philosophy HL | TBD | 5.3 | TBD | TBD |
| Physics HL | TBD | 5.3 | 5A (without lab) | B1 |
| Psychology HL | 3.0 | 5.3 | 4 | D9 |
| Theatre HL | 6.0* | 5.3 | 3A | C1 |
| Visual Arts HL | TBD | 5.3 | TBD | TBD |
| World History HL | TBD | 5.3 | TBD | TBD |

[1]  Visit the California State University website (https://www2.calstate.edu/apply/transfer/Pages/international-baccalaureate-ib.aspx) to find the CSU policy for IB.  Each campus in the California State University system determines how it will apply external examinations toward credit in the major. Contact the individual CSU campus for more information.

[2]  The International Baccalaureate Organization (IBO) awards either a diploma or a certificate for individual IB exams. UC awards students who complete the International Baccalaureate diploma with a score of 30 or above with 6 quarter (4 semester) units toward their UC degree, in addition to the units earned for individual Higher Level exams (usually 24 quarter/16 semester units). Students who receive IB certificates with scores of 5, 6 or 7 on Higher Level exams will receive 8 quarter (5.3 semester) units. For more information about course credit awarded by the University of California, visit the University of California's Admissions website (https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ib-credits.html). Each

campus in the University of California system determines how it will apply external examinations toward credit in the major. Contact the individual UC campus for more information.

\* A score of 4 on these IB subjects is considered a passing score by the CSU system to earn CSU elective units and CSU GE Breadth credit.

# DISTANCE EDUCATION

Online courses provide excellent opportunities for students to pursue their educational goals with time and place flexibility. These courses are offered over the Internet and should not require on-campus attendance. Online courses comprise equivalent content and satisfy the same academic requirements as their on-campus counterparts.

## Online Student Success

Online courses are rigorous and require a clear commitment. You will need to be motivated, well-organized, and on-task to succeed in this mode of learning.

Check the online course descriptions on the Distance Education website (http://www.sbcc.edu/distanceeducation/onlinecourses.php) for information about making initial contact with the instructor. We strongly encourage you to take the Distance Education Orientation (http://www.sbcc.edu/distanceeducation/distanceedorientation.php) to determine whether you are ready to take an online course and to help you prepare for distance learning.

## On-Campus Attendance

Although fully online courses do not require specific time-and-place commitments, some partially-online (hybrid) courses require varying levels of on-campus attendance, as determined by the instructor.

- Fully online courses require no on-campus meetings or exams but may require students to take proctored exams. These can be accomplished via online proctoring or approved in-person arrangements with the instructor.
- Partially online courses may require attendance at SBCC campus for orientations and exams, or have regular meeting times.

Check the online course descriptions (http://www.sbcc.edu/distanceeducation/onlinecourses.php)  for information on each section's attendance requirements.

## Fully Online Programs

The following programs have been approved to be taught fully online. Please check the Schedule of Classes to confirm course availability and contact the Department Chair for confirmation.

- Anthropology (AA)
- Administration of Justice for Transfer (AS-T)
- Administration of Justice: Legal Studies Emphasis (AS, C)
- Applied Photography (AA, C)
- Cancer Information Management (AS, C)
- Communication: Communication Science Emphasis (AA)
- Computer Information Systems (AS)
- Computer Information Systems: Emphasis in System Administration (AS)
- Film and Media Studies (AA)
- Graphic Design and Photography: Graphic Design Concentration (AA)
- Global Studies (AA)
- Health Information Technology (AS)
- International Business (AA, C)
- Introduction to Graphic Design (C)
- Liberal Arts and Sciences: Art and Humanities Emphasis (AA)
- Liberal Arts and Sciences: Science and Math Emphasis (AA)
- Liberal Arts and Sciences: Social and Behavioral Science Emphasis (AA)
- Marketing (AA, C)
- Medical Coding Specialist (C)
- Natural History (AA)
- Political Science for Transfer (AA-T)
- Spanish for Transfer (AA-T)

## Technical Requirements

In order to log on to course websites, all students taking online courses must have access to a computer/mobile device with an Internet connection and a recommended Web browser. Information on specific requirements is located on the Distance Education website (http://www.sbcc.edu/distanceeducation/onlinecourses.php). *Note:* that Modern Languages courses may require that a student use a computer/mobile device with sound capabilities. We strongly encourage you to take the assessment (http://www.sbcc.edu/distanceeducation/orientation_distance_ed.php) to determine whether you are ready to take an online course.

## Support for Classes

While taking online classes, students will be able to seek support from several sources. Technical assistance is available through Student Technical Support at (805) 897-3549 or itsupport@pipeline.sbcc.edu and by filling out the Tech Support Form (http://www.sbcc.edu/support/contact/). Accessibility assistance for disabled students is available through Disability Services and Programs for Students (http://www.sbcc.edu/dsps/) (DSPS). Find additional student services embedded in Canvas, the college's authorized learning management systems.

## Additional Information

Visit the Distance Education website (http://www.sbcc.edu/distanceeducation/) for information on the advantages of distance learning, links to the locations of each semester's online courses, lists the fully online programs and degrees, links directly to student technical support, provides frequently asked questions (FAQ), links directly to the campus portal, details steps to enrollment, includes comprehensive information on preparation for Distance Education, details technical requirements, provides information on how to start a course, lists important dates, includes information on library services for Distance Education students, details policies and procedures, provides up-to-date information on state authorization of Distance Education and more. For support: (805) 897-3549 or itsupport@pipeline.sbcc.edu.

## State Authorization of Distance Education Outside of California

If you are a Santa Barbara City College student (or prospective student) who will not reside in California while enrolled in Distance Education courses at Santa Barbara City College, be aware of the following information:

Santa Barbara City College delivers online education programs and courses throughout the United States and internationally, and its online offerings continue to expand. All programs have been approved by the California Community Colleges Chancellor's Office.

Many states have prescribed an "authorization" process for out-of-state institutions delivering online programs to its state residents. States are attempting through these processes to ensure quality postsecondary education, to preserve the integrity of an academic degree and to instill greater consumer protection for their student citizens.

Authorization (sometimes referred to as "registration," "licensure," "approval," etc.) indicates that certain minimum standards have been met by the institution under the laws and regulations of that state. Authorization does not constitute an endorsement of any institution, course or degree program. Credits earned at an institution do not necessarily transfer to all other institutions.

Santa Barbara City College has taken steps to protect its students and operations nationwide. The institution has been granted authorizations, exemptions and waivers from many states. In other states, Santa Barbara City College can operate without such authorization because the state's laws do not pertain to a public institution, to an accredited institution or to the college's activities in that state. We advise students residing in states in which Santa Barbara City College is not approved to offer distance education not to enroll in Distance Education classes at Santa Barbara City College. See the Distance Education website (http://www.sbcc.edu/distanceeducation/stateauthorization.php) for a complete list of states in which Santa Barbara City College is approved to offer Distance Education.

# Complaints about a Santa Barbara City College Online Course?

If you are a student who wishes to complain about a Santa Barbara City College course delivered via Distance Education, consider contacting your instructor. If you are unable to resolve your complaint through the instructor, contact the department chair. If you are unable to resolve your complaint through the department chair, contact Dr. Beth Taylor-Schott, the Dean for Distance Education at eataylorscho@sbcc.edu. If you are unable to resolve your complaint through the dean, contact the Vice President of Academic Affairs (https://www.sbcc.edu/vice-president-academic-affairs/).

If you are unable to resolve your complaint at any of these levels, consider contacting:

Accrediting Commission for Community and Junior Colleges/Western Association of Schools and Colleges
10 Commercial Boulevard
Suite 204
Novato, CA 94949
(415) 506-0234
accjc@accjc.org

# PROGRAMS OF STUDY

## Programs of Study Overview
## Credit Programs

Santa Barbara City College offers the following credit programs of study:

- **Associate Degree for Transfer - Associate in Arts for Transfer (AA-T) Degree and Associate in Science for Transfer (AS-T) Degree**
  - An Associate Degree for Transfer guarantees admission into the CSU system in a <u>similar</u> major but not necessarily to a particular campus. Participating Historically Black Colleges and Universities, fully online and out-of-state universities and independent, non-profit universities in California, guarantee admission into the exact campus to which students apply and to the major students want to pursue. For more information, visit: https://icangotocollege.com/?sitekey=adegree.

- **Associate Degree - Associate in Arts (AA) Degree and Associate in Science (AS) Degree**
  - An Associate Degree can stand alone, providing students the skills to enter the workforce or to enter a specialized career field. It can also be the first step towards earning a bachelor degree at a four-year university.

- **Certificate of Achievement (C)**
  - A Certificate of Achievement provides students the knowledge and training needed to enter a specialized career or enhance their skills for advancement in their job. In most cases, a Certificate of Achievement (18+ units), combined with the completion of General Education coursework may also be applied to an Associate Degree to further increase employability. Some Certificates of Achievement are designed to develop job skills in a special area of occupational education in a short period of time.

- **Skills Competency Award (SCA)**
  - A Skills Competency Award provides students with very specific skills to prepare them for entry-level jobs or to upgrade or advanced in an existing field of study. A Skills Competency Award is granted by the college and it is not reflected on the student's official transcript.

- **Department Award (D)**
  - The Department Award recognizes achievement by students interested in specialized fields of study. The curriculum is designed with the student's career goals, interests and talents in mind. A Department Award is granted by the SBCC department offering the award and it is not reflected on the student's official transcript.

## Noncredit Programs

Santa Barbara City College offers the following noncredit programs of study through the School of Extended Learning (p. 79):

- **Certificate of Completion**
- **Certificate of Competency**

## Programs of Study

# DEGREES, CERTIFICATES AND AWARDS

Upon satisfactory completion of requirements and upon approval of the Board of Trustees students may earn the following credit programs of study:

- **Associate Degree for Transfer - Associate in Arts for Transfer (AA-T) Degree and Associate in Science for Transfer (AS-T) Degree**

  An Associate Degree for Transfer guarantees admission into the CSU system in a similar major but not necessarily to a particular campus. Participating Historically Black Colleges and Universities, fully online and out-of-state universities and independent, non-profit universities in California, guarantee admission into the exact campus to which students apply and to the major students want to pursue. For more information, visit: https://icangotocollege.com/?sitekey=adegree.

- **Associate Degree - Associate in Arts (AA) Degree and Associate in Science (AS) Degree**

  An Associate Degree can stand alone, providing students the skills to enter the workforce or to enter a specialized career field.  It can also be the first step towards earning a bachelor degree at a four-year university.

- **Certificate of Achievement (C)**

  A Certificate of Achievement provides students the knowledge and training needed to enter a specialized career or enhance their skills for advancement in their job.  In most cases, a Certificate of Achievement (18+ units), combined with the completion of General Education coursework may also be applied to an Associate Degree to further increase employability.  Some Certificates of Achievement are designed to develop job skills in a special area of occupational education in a short period of time.

- **Skills Competency Award (SCA)**

  A Skills Competency Award provides students with very specific skills to prepare them for entry-level jobs or to upgrade or advance in an existing field of study.  A Skills Competency Award is granted by the college and it is not reflected on the student's official transcript.

- **Department Award (D)**

  The Department Award recognizes achievement by students interested in specialized fields of study.  The curriculum is designed with the student's career goals, interests and talents in mind. A Department Award is granted by the SBCC department offering the award and it is not reflected on the student's official transcript.

## Santa Barbara City College Transfer Recognition Award

The Transfer Recognition Award is granted to any student who has completed a minimum of 24 units at Santa Barbara City College prior to transfer and has been presented a letter of acceptance from an accredited four-year college or university. An application must be submitted by the student to the Transfer Center.

## Catalog Rights

Catalog rights permit the students who are continuously enrolled at the institution to select the catalog year the student will follow for the General Education and degree/certificate requirements provided the catalog selected is one of the following:

- The catalog in effect at the time of initial enrollment;
- The catalog in effect at the time of graduation; or
- Any catalog year between initial enrollment and graduation.

For purposes of determining catalog rights, the catalog year starts in the Fall (Fall/Spring/Summer).

## Multiple Degrees/Multiple Majors

A student may earn AA, AA-T, AS, and AS-T Degrees for which all local and state requirements have been met. All majors in which degree requirements have been met will be noted on both the student's transcript and the diploma.

## AA-T/AS-T Degrees
## Santa Barbara City College Associate in Arts and Associate in Science for Transfer Degrees

**SBCC Associate Degrees for Transfer and specific requirements are available** here **(**https://catalog.sbcc.edu/programs/programtype/**).**

The Student Transfer Achievement Reform Act (Senate Bill 1440, codified in *California Education Code* sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "Associate Degree for transfer", a variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. For the latest information about transfer degrees, visit https://icangotocollege.com/?sitekey=adegree.

At the time of Catalog publication, a student may earn the following AA-T/AS-T degrees at SBCC: Administration of Justice (AS-T), Anthropology (AA-T), Art History (AA-T), Biology (AS-T), Business Administration 2.0 (AS-T), Child and Adolescent Development (AA-T), Communication Studies (AA-T), Computer Science (AS-T), Early Childhood Education (AS-T), Economics (AA-T), Elementary Teacher Education (AA-T), English (AA-T), Film, Television and Electronic Media (AS-T), Geography (AA-T), Geology (AS-T), Global Studies (AA-T), History (AA-T), Journalism (AA-T), Kinesiology (AA-T), Mathematics (AS-T), Music (AA-T), Nutrition and Dietetics (AS-T), Philosophy (AA-T), Physics (AS-T), Political Science (AA-

T), Psychology (AA-T), Sociology (AA-T) Spanish (AA-T), Studio Arts (AA-T), and Theatre Arts (AA-T).

**Santa Barbara City College Associate in Arts and Associate in Science for Transfer Degree Graduation Requirements**

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.

2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.

3. Completion of a minimum of 18 semester units in an AA-T or AS-T major as detailed in the appropriate departmental section of this Catalog. All courses required in the major must be completed with a grade of "C" or better or Pass (Title 5 § 55063).

4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth (p. 152)); OR the Intersegmental General Education Transfer Curriculum (IGETC-CSU (p. 141)) pattern (see "Transfer Curricula" in the Catalog Index for more information about CSU GE Breadth and IGETC requirements). Important Note: The Computer Science AS-T, the Physics AS-T and the Geology AS-T require completion of IGETC. The Biology AS-T requires completion of IGETC-CSU for STEM. The CSU GE Breadth is not allowed for the Physics, Geology and Biology AS-T degrees.

5. Candidates for an Associate Degree for Transfer are required to complete 12 units through SBCC.

# AA/AS Degrees
# Santa Barbara City College Associate in Arts/Science Degrees

**SBCC Associate Degrees and specific requirements are available** here (https://catalog.sbcc.edu/programs/programtype/#associatesdegreestext). The awarding of an Associate Degree represents more than an accumulation of units. It symbolizes a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights.

Among these are the ability to think and to communicate clearly and effectively, both orally and in writing; to use mathematics; to understand the modes of inquiry of the major disciplines; to be aware of other cultures and times; to achieve insights gained through experience in thinking about ethical problems; and to develop the capacity for, and sense of, self-understanding. In addition to these accomplishments, the student should possess sufficient depth in some field of knowledge to contribute to lifetime interest.

The governing board of the Santa Barbara Community College District shall confer the degree of Associate in Arts or Associate in Science upon a student who has demonstrated competence in reading, written expression and mathematics, and who has satisfactorily completed at least 60 semester units of college work. This coursework requirement will be fulfilled in a curriculum accepted toward the degree by the college (courses numbered 100 or higher as shown in this *Catalog*). It must include at least 18 semester units in General Education and at least 18 semester units in a major.

Students who major in Liberal Studies, or are undecided about a major, should refer to "Liberal Studies" in this *Catalog's* Index.

Santa Barbara City College Associate in Arts and Associate in Science Degree Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements as follows:

1. Complete all department requirements in a major or area of emphasis with a "C" or better or "P" in each course. Candidates for an Associate Degree are required to complete at least 20% of the department requirements through SBCC (some programs may require a higher percentage of the department requirements to be completed through SBCC).

2. Complete a general education option (*Option 1:* SBCC General Education and Institutional and Information Competency; *Option 2:* IGETC; *Option 3:* CSU GE Breadth). General Education options allowed for each Associate Degree program vary. Refer to individual departments for a list of General Education options pertaining to each SBCC Associate Degree program;

3. Complete a total of 60 degree-applicable units (SBCC courses numbered 100 or higher);

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC;

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted; and

6. Candidates for an Associate Degree are required to complete a minimum of 12 units through SBCC.

**SBCC Associate Degrees and specific requirements are available** here (https://catalog.sbcc.edu/programs/programtype/#associatesdegreestext).

# Santa Barbara City College General Education, Institutional and Information Competency Requirements
## General Education State Requirements (Areas A-D)

Complete a minimum of eighteen (18) semester units of General Education courses to include at least one course from each of the following areas:

1. Natural Science with Lab

2. Social & Behavioral Science

3. Humanities

4. Language & Rationality
   a. English Composition (one course)
   b. Communication & Analytical Thinking (one course)

## SBCC Institutional Requirements (Area E)

Complete mathematics competency (E1) and 3 sub-areas selected from E2-E5.

## Information Competency Requirement (Area F)

Complete one unit of Information Literacy or College Research Skills.

# Philosophy of General Education

The General Education program at Santa Barbara City College outlines a core curriculum that provides an opportunity for students to explore elements of the intellectual and ethical traditions to which they belong. The faculty believes that this common core is of general and lasting intellectual significance and that it will establish a foundation for the

lifelong process of intellectual inquiry and the integration of knowledge, skills, attitudes and experiences.

College-educated persons should be able to use this knowledge when evaluating and appreciating the physical environment, the culture and the society in which they live. Most important, General Education should lead to better self-understanding. The General Education program has several major objectives:

- To cultivate the intellectual processes of learning and to examine methods for acquiring, integrating and applying knowledge.
- To help students understand the conditions and forces which shape their lives and thus help them to cope with a complex and changing world.
- To explore elements of our common human nature and to assist students in applying critical and informed judgments to the cultural achievements of their own and other cultures.

# Santa Barbara City College General Education (Areas A-D) Approved Course Listings

**This General Education pattern is not applicable to Associate Degrees for Transfer (AA-T/AS-T). Refer to each individual Associate Degree (AA/AS/AA-T/AS-T) program for Major Requirements, Graduation Requirements and available General Education Options.**

Complete a minimum of 18 semester units (or 27 quarter units) of General Education from Areas A-D to include at least one course for a total of 3 semester units or 4 quarter units (4 semester units for Natural Science) from each area (A, B, C, D-1 and D-2). <u>A course used to meet a requirement in one Area (A-D) cannot be used to meet any other requirement in Areas A-D.</u>

## A. Natural Science with Lab

*(4 semester units or 4 quarter units)*

| Code | Title | Units |
|---|---|---|
| ANTH 101 & 101L | Physical Anthropology and Physical Anthropology Laboratory | 4 |
| ANTH 101H & ANTH 101L | Physical Anthropology, Honors and Physical Anthropology Laboratory | 5 |
| BIOL 100 | Concepts Of Biology | 4 |
| BIOL 101 | Plant Biology | 4 |
| BIOL 102 | Animal Biology | 5 |
| BIOL 103 | Cell and Molecular Biology | 5 |
| BIOL 110 & BIOL 141 | Natural Science and Biology Laboratory | 5 |
| BIOL 112 & BIOL 141 | Evolution and Adaptation and Biology Laboratory | 5 |
| BIOL 120 | Natural History | 4 |
| BIOL 122 & BIOL 123 | Ecology and Ecology Laboratory | 4 |
| BIOL 124 | Biological Oceanography | 4 |
| BIOL 125 | Marine Biology | 4 |
| BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory | 5 |
| BMS 100 | The Human Body | 4 |
| BMS 107 | Human Anatomy | 4 |
| BMS 108 | Human Physiology | 4 |
| BMS 146 & 146L | Human Form and Function and Human Form and Function Laboratory | 4 |
| BMS 157 | General Microbiology | 4 |
| BOT 100 | Concepts of Botany | 4 |
| BOT 121 | Plant Diversity | 4 |
| CHEM 101 | Introductory Chemistry | 4 |
| CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | 4 |
| CHEM 155 | General Chemistry I | 5 |
| ERTH 101 & ERTH 102 | Introductory Astronomy and Observational Astronomy Laboratory | 4 |
| ERTH 101H & ERTH 102 | Introductory Astronomy, Honors and Observational Astronomy Laboratory | 5 |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory | 4 |
| ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory | 5 |
| ERTH 112 & 112L | History Of The Earth and Historical Geology Laboratory | 4 |
| ERTH 115 & 115L | Environmental Geology and Environmental Geology Laboratory | 4 |
| ERTH 141 & 141L | Physical Geography and Physical Geography Laboratory | 4 |
| ERTH 151 & 151L | Introductory Physical Oceanography and Introductory Physical Oceanography Laboratory | 4 |
| ERTH 152 & 152L | Weather and Climate and Weather and Climate Laboratory | 4 |
| ENVS 110 & ENVS 111 | Humans And The Biological Environment and Environmental Field Studies | 4 |
| ENVS 115 & 115L | Environmental Geology and Environmental Geology Laboratory | 4 |
| GEOG 101 & 101L | Physical Geography and Physical Geography Laboratory | 4 |
| GEOG 152 & 152L | Weather and Climate and Weather and Climate Laboratory | 4 |
| PHSC 103 | The Physical Universe | 4 |
| PHSC 107 | Nanoscience in Society | 4 |
| PHYS 101 & 101L | Conceptual Physics and Conceptual Physics Laboratory | 4 |
| PHYS 102 | Introductory Physics For Science Majors | 4 |
| PHYS 105 | General Physics | 4 |
| PHYS 106 | General Physics | 4 |
| PHYS 110 | Introductory Physics | 4 |
| PHYS 111 | Introductory Physics | 4 |

| Code | Title | Units |
|------|-------|-------|
| PHYS 121 | Mechanics Of Solids And Fluids | 5 |
| ZOOL 122 & ZOOL 123 | Animal Diversity and Animal Diversity Laboratory | 4 |

## B. Social/Behavioral Science

*(3 semester units or 4 quarter units)*

| Code | Title | Units |
|------|-------|-------|
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 104 | Introduction to Corrections | 3 |
| AJ 125 | Introduction To Criminology | 3 |
| AJ 245 | Constitutional Law | 3 |
| AJ 255 | Terrorism And The Criminal Justice System | 3 |
| AJ 265 | Crime and Human Behavior | 3 |
| ASL 125 | American Deaf Culture and History | 4 |
| ANTH 102 | Introduction To Archaeology | 3 |
| ANTH 102H | Introduction to Archaeology, Honors | 4 |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 104 | Language and Culture | 3 |
| ANTH 109 | Comparative World Cultures | 3 |
| ANTH 110 | Culture and Society Through Cartoons | 3 |
| ANTH 113 | Witchcraft, Magic, Science And Religion | 3 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| ASAM 102 | Contemporary Asian-American History | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | 4 |
| BLST 103 | African-American Culture | 3 |
| BUS 101 | Introduction To Business | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | 3 |
| CHST 103 | Mexican-American (Chicano) Culture | 3 |
| CHST 121 | The Chicana And Other Latina Women | 3 |
| COMM 101 | Introduction to Communication | 3 |
| COMM 142 | Leadership in a Global Society | 3 |
| COMM 151 | Intercultural Communication | 3 |
| COMM 171 | Mass Media and Society | 3 |
| COMM 289 | Communication Theory | 3 |
| ECE 102 | Child, Family and Community | 3 |
| ECE 120 | Child Growth and Development/ Educators | 3 |
| ECE 132 | Teaching in a Diverse Society | 3 |
| ERTH 142 | Economic Geography | 3 |

| Code | Title | Units |
|------|-------|-------|
| ECON 101 | Microeconomics | 3 |
| ECON 101H | Microeconomics, Honors | 4 |
| ECON 102 | Macroeconomics | 3 |
| ECON 102H | Macroeconomics, Honors | 4 |
| ECON 114 | Environmental and Natural Resource Economics | 3 |
| ENVS 112 | American Environmental History | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| ETHS 103 | The American Ethnic Cultural Experience | 3 |
| ETHS 107 | Racism In America | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands | 3 |
| ETHS 110 | Contemporary Ethnic Communities | 3 |
| ETHS 120 | Race, Ethnicity and Social Movements in the United States | 3 |
| ETHS 121 | Women of Color In The U.S. | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | 3 |
| GEOG 102 | Human Geography | 3 |
| GEOG 104 | World Regional Geography | 3 |
| GEOG 105 | Economic Geography | 3 |
| GEOG 106 | Geography Of California | 3 |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| GLST 105 | Global Environmental Politics | 3 |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors | 4 |
| HIST 103 | History of Western Civilization | 3 |
| HIST 104 | History of Western Civilization | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| HIST 108 | World Civilization, 1550 to Present | 3 |
| HIST 110 | History of American Women | 3 |
| HIST 110H | History Of American Women (Honors) | 4 |
| HIST 111 | The American West as Frontier and Region | 3 |
| HIST 112 | American Environmental History | 3 |
| HIST 113H | History Of Western Civilization: 1600 To Present, Honors | 4 |
| HIST 115 | The Vietnam Wars | 3 |
| HIST 120 | Modern Europe | 3 |
| HIST 121 | History Of Great Britain | 3 |
| HIST 122 | History Of Great Britain | 3 |
| HIST 127 | History Of Russia | 3 |
| HIST 133 | History of Latin America | 3 |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | 3 |
| HIST 135 | History of Mexico | 3 |
| HIST 137 | History of Religions of The Middle East | 3 |
| HIST 138 | History of the Modern Middle East | 3 |

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| JOUR 200 | Contemporary News Media and Society | 3 |
| NATA 101 | American Indian: Past and Present | 3 |
| NATA 102 | The Native American In 20th Century Society | 3 |
| NATA 103 | Native American Cultural Heritage | 3 |
| NATA 104 | California Indians | 3 |
| NATA 105 | California Tribes: The Chumash | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/Process | 3 |
| POLS 110 | Politics, Society And The Mass Media | 3 |
| POLS 121 | International Politics | 3 |
| POLS 121H | International Politics, Honors | 4 |
| POLS 122 | International Organizations: Global and Regional Governance | 3 |
| POLS 131 | Comparative Politics | 3 |
| POLS 134H | Political Violence, Honors | 4 |
| POLS 136 | Middle East Government And Politics | 3 |
| POLS 151 | Law And Society | 3 |
| PSY 100 | General Psychology | 3 |
| PSY 100H | General Psychology, Honors | 4 |
| PSY 106 | Positive Psychology | 3 |
| PSY 112 | Introduction to Cognitive Psychology | 3 |
| PSY 115 | Psychology Of Health And Effective Behavior | 3 |
| PSY 120 | Introduction To Psychology | 3 |
| PSY 125 | Psychology Of Human Sexuality | 4 |
| PSY 130 | Personality Dynamics And Effective Behavior | 3 |
| PSY 135 | Psychology of Film | 3 |
| PSY 140 | Child Development | 3 |
| PSY 145 | Human Development | 3 |
| PSY 170 | Abnormal Psychology | 3 |
| PSY 175 | Social Psychology: Psychological Perspective | 3 |
| PSY 200 | Research Methods and Experimental Design in Psychology | 4 |
| SOC 101 | Introduction To Sociology | 3 |
| SOC 101H | Introduction to Sociology, Honors | 4 |
| SOC 103 | Marriage, Family and Intimacy | 3 |
| SOC 104 | Social Psychology | 3 |
| SOC 106 | Sociology of Deviance | 3 |
| SOC 107 | Racism in America | 3 |
| SOC 109 | Social Problems | 3 |
| SOC 110 | Culture and Society Through Cartoons | 3 |
| SOC 113 | Sociology Of Sex and Gender | 3 |
| SOC 115 | Introduction To Social Research | 3 |
| SOC 118 | Media, Culture and Society | 3 |
| SOC 127 | Introduction to Women's Studies | 3 |
| SPAN 139 | Contemporary Cultures Of Spain | 3 |
| SS 101 | Introduction to the Social Sciences | 3 |

## C. Humanities

*(3 semester units or 4 quarter units)*

| Code | Title | Units |
|---|---|---|
| AJ 105 | Diversity, Law and Justice | 3 |
| ASL 101 | Beginning American Sign Language I | 5 |
| ASL 102 | Beginning American Sign Language II | 5 |
| ASL 103 | Intermediate American Sign Language I | 5 |
| ASL 104 | Intermediate American Sign Language II | 5 |
| ARBC 101 | Beginning Modern Standard Arabic I | 5 |
| ARBC 102 | Beginning Modern Standard Arabic II | 5 |
| ART 100 | Art in Culture | 3 |
| ART 101 | Visual Literacy | 3 |
| ART 102A | Early Twentieth Century Art, 1900-1945 | 3 |
| ART 102B | Late Twentieth Century Art | 3 |
| ART 103 | History of Art, Prehistoric to Gothic | 3 |
| ART 103H | History of Art, Prehistoric to Gothic, Honors | 3 |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| ART 104H | History Of Art, Renaissance To Modern, Honors | 3 |
| ART 106 | History Of American Art | 3 |
| ART 108 | History of Asian Art | 3 |
| ART 110 | History of Women in Art | 3 |
| ART 111 | Survey Of Tribal Arts | 3 |
| ART 112 | Survey Of Ancient American Art | 3 |
| ART 113 | Survey Of Architecture | 3 |
| ART 114 | History Of Photography | 3 |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 132 | Fundamentals of Painting | 3 |
| ART 210 | Survey Of Renaissance And Baroque Art | 3 |
| ART 211 | Nineteenth Century Art | 3 |
| ART 215 | Survey Of Non-Western Art | 3 |
| ART 216 | Survey Of Islamic Art And Architecture | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | 4 |
| BLST 103 | African-American Culture | 3 |
| BLST 111 | The African-American Music Experience | 3 |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | 3 |

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| CHST 103 | Mexican-American (Chicano) Culture | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | 3 |
| CHST 114 | Borderlands Literature: U.S.-Mexico | 3 |
| CHST 115 | Introduction To Mexican Literature | 3 |
| CHST 121 | The Chicana And Other Latina Women | 3 |
| CHST 130 | History Of Mexican Art | 3 |
| CHST 131 | History Of Chicano Art | 3 |
| CHST 160 | Chicano Theatre | 3 |
| CHIN 101 | Beginning Chinese I | 5 |
| CHIN 102 | Beginning Chinese II | 5 |
| CHIN 103 | Intermediate Chinese | 5 |
| ECE 115 | Children's Literature | 3 |
| ENG 111 | Critical Thinking and Composition Through Literature | 3 |
| ENG 111H | Critical Thinking and Composition Through Literature, Honors | 3 |
| ENG 200 | Introduction to Literature | 3 |
| ENG 221 | Survey of British Literature: 800-1798 | 3 |
| ENG 221H | Survey of British Literature 800-1798, Honors | 4 |
| ENG 222 | Survey of British Literature: 1798-Present | 3 |
| ENG 222H | Survey of British Literature: 1798-Present, Honors | 4 |
| ENG 225 | American Literature: Pre-Colonization to 1865 | 3 |
| ENG 226 | American Literature: 1865-present | 3 |
| ENG 226H | American Literature, Honors | 4 |
| ENG 231 | World Literature: Ancient Times to 16th Century | 3 |
| ENG 232 | World Literature: 17th Century to Present | 3 |
| ENG 240 | Contemporary Fiction | 3 |
| ENG 241 | Contemporary Women Writers | 3 |
| ENG 242 | Contemporary Dramatic Literature | 3 |
| ENG 251 | Introduction To Poetry | 3 |
| ENG 261 | Literature And Film | 3 |
| ENG 262 | Shakespeare | 3 |
| ENVS 112 | American Environmental History | 3 |
| ESL 134 | Writing Level 5 | 4 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| ETHS 103 | The American Ethnic Cultural Experience | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands | 3 |
| ETHS 117 | Cultural Diversity In Film | 3 |
| ETHS 121 | Women of Color In The U.S. | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | 3 |
| FS 101 | Introduction to Film Studies | 3 |
| FS 101H | Introduction to Film Studies, Honors | 4 |
| FS 104 | American Film to 1960's | 3 |

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| FS 105 | Introduction to Television Studies | 3 |
| FS 107 | Contemporary American Film | 3 |
| FS 109 | Film and Cultural Criticism | 3 |
| FS 110 | World Cinema to 1960's | 3 |
| FS 111 | Contemporary World Cinema | 3 |
| FS 112A | French Film | 3 |
| FS 112B | Art Cinema | 3 |
| FS 112C | Spanish and Latin American Film | 3 |
| FS 113 | Experimental Film | 3 |
| FS 114 | History of Animation | 3 |
| FS 115 | The Vietnam War in Film | 3 |
| FS 116 | Gender and Sexuality in Film | 3 |
| FS 118 | Film Genres | 3 |
| FS 119 | Film Comedy | 3 |
| FS 120 | Visionary Filmmakers | 3 |
| FS 121 | Documentary Film | 3 |
| FS 122 | Gaming and Visual Culture | 3 |
| FR 101 | Beginning French I | 5 |
| FR 102 | Beginning French II | 5 |
| FR 103 | Intermediate French I | 5 |
| FR 104 | Intermediate French II | 5 |
| FR 132 | Intermediate Literary Readings | 3 |
| GDP 116 | History of Graphic Design | 3 |
| GER 101 | Beginning German I | 5 |
| GER 102 | Beginning German II | 5 |
| GER 103 | Intermediate German I | 5 |
| GER 104 | Intermediate German II | 5 |
| HEBR 101 | Beginning Modern Hebrew I | 5 |
| HEBR 102 | Beginning Modern Hebrew II | 5 |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 103 | History of Western Civilization | 3 |
| HIST 104 | History of Western Civilization | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| HIST 108 | World Civilization, 1550 to Present | 3 |
| HIST 110 | History of American Women | 3 |
| HIST 111 | The American West as Frontier and Region | 3 |
| HIST 112 | American Environmental History | 3 |
| HIST 115 | The Vietnam Wars | 3 |
| HIST 133 | History of Latin America | 3 |
| HIST 135 | History of Mexico | 3 |
| HIST 137 | History of Religions of The Middle East | 3 |
| HIST 138 | History of the Modern Middle East | 3 |
| ITAL 101 | Beginning Italian I | 5 |
| ITAL 102 | Beginning Italian II | 5 |
| ITAL 103 | Intermediate Italian I | 5 |
| ITAL 104 | Intermediate Italian II | 5 |
| JAPN 101 | Beginning Japanese I | 5 |
| JAPN 102 | Beginning Japanese II | 5 |
| JAPN 103 | Intermediate Japanese I | 5 |

| JAPN 104 | Intermediate Japanese II | 5 |
| KOR 101 | Beginning Korean I | 5 |
| KOR 102 | Beginning Korean II | 5 |
| KOR 103 | Intermediate Korean I | 5 |
| LATN 101 | Beginning Latin I | 5 |
| LATN 102 | Beginning Latin II | 5 |
| MAT 103 | Introduction to Multimedia | 3 |
| MUS 110 | Music Appreciation | 3 |
| MUS 112 | History of Jazz | 3 |
| MUS 114A | Survey of Music History | 3 |
| MUS 114B | Survey of Music History | 3 |
| MUS 115 | History And Appreciation Of Rock And Popular Music | 3 |
| MUS 118 | World Music | 3 |
| NATA 101 | American Indian: Past and Present | 3 |
| NATA 102 | The Native American In 20th Century Society | 3 |
| NATA 103 | Native American Cultural Heritage | 3 |
| NATA 104 | California Indians | 3 |
| NATA 105 | California Tribes: The Chumash | 3 |
| NATA 112 | Native American Visual And Musical Art | 3 |
| NATA 113 | The Indian In Literature: Fact And Fiction | 3 |
| PHIL 100 | Introduction to Philosophy | 3 |
| PHIL 100H | Introduction to Philosophy, Honors | 4 |
| PHIL 101 | Introduction to Ethics | 3 |
| PHIL 101H | Introduction To Ethics, Honors | 4 |
| PHIL 102 | Comparative World Religions | 3 |
| PHIL 200 | History Of Philosophy: Ancient | 3 |
| PHIL 201 | History of Philosophy: Modern | 3 |
| PHIL 203 | History Of Philosophy: Contemporary | 3 |
| PHIL 204 | History And Philosophy Of The Great Ideas Of Physics | 3 |
| PHIL 206 | Philosophy of Religion | 3 |
| PHIL 207A | Comparative Philosophy, East And West | 3 |
| PHIL 207B | Philosophy of Art | 3 |
| PE 250 | Survey and Appreciation of Dance History | 3 |
| PSY 135 | Psychology of Film | 3 |
| SPAN 101 | Beginning Spanish I | 5 |
| SPAN 102 | Beginning Spanish II | 5 |
| SPAN 103 | Intermediate Spanish I | 5 |
| SPAN 104 | Intermediate Spanish II | 5 |
| SPAN 132 | Introduction to Literary Analysis | 3 |
| SPAN 139 | Contemporary Cultures Of Spain | 3 |
| SPAN 146 | Intermediate Spanish for Native Speakers I | 5 |
| SPAN 147 | Intermediate Spanish for Native Speakers II | 5 |
| SPAN 150 | Advanced Spanish | 4 |
| SPAN 160 | Advanced Spanish | 4 |
| TA 103 | Theatre Appreciation | 3 |

| TA 104 | Script Analysis | 3 |
| TA 106 | Development of Drama - Musical Theatre | 3 |
| TA 107 | Development Of Drama: Greek to Renaissance | 3 |
| TA 108 | Development Of Drama II: Restoration To Contemporary | 3 |
| TA 120 | Understanding Scenography | 3 |
| TA 136 | Theatrical Makeup Techniques | 3 |
| TA 160 | Chicano Theatre | 3 |

## D. Language and Rationality

*(6 semester units or 8 quarter units. One course from D-1 and one course from D-2 required)*

### D-1. English Composition

*(3 semester units or 4 quarter units): Complete one of the following courses with a "C" or better or "Pass":*

| Code | Title | Units |
| --- | --- | --- |
| ENG 110 | Composition and Reading | 4 |
| or ENG 110H | Composition and Reading, Honors | |
| or ENG 110E - Composition and Reading, Enhanced | | |

### D-2. Communication and Analytical Thinking

*(3 semester units or 4 quarter units)*

| Code | Title | Units |
| --- | --- | --- |
| BIOL 103 | Cell and Molecular Biology | 5 |
| COMM 121 | Interpersonal Communication | 3 |
| COMM 121H | Interpersonal Communication, Honors | 3 |
| COMM 122 | Mediated Interpersonal Communication | 3 |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| COMM 131H | Fundamentals Of Public Speaking, Honors | 3 |
| COMM 141 | Small Group Communication | 3 |
| COMM 161 | Communication in Organizations | 3 |
| COMM 162 | Mediated Communication in Organizations | 3 |
| COMM 235 | Argumentation and Debate | 3 |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| CS 101 | Computer Concepts | 4 |
| CS 118 | Data Science for All | 4 |
| ENG 103 | Critical Thinking and Reading | 3 |
| ENG 111 | Critical Thinking and Composition Through Literature | 3 |
| ENG 111H | Critical Thinking and Composition Through Literature, Honors | 3 |
| ENG 115 | Argumentative Writing and Critical Thinking | 3 |
| MATH 107 | Intermediate Algebra | 5 |
| MATH 108 | Mathematical Concepts for Elementary School Teachers-Number Systems | 4 |

| MATH 114 | Mathematics for Liberal Arts Majors | 4 |
| MATH 117 | Elementary Statistics | 4 |
| MATH 118 | Data Science for All | 4 |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | 5 |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | 3 |
| MATH 137 | College Algebra | 5 |
| MATH 138 | Precalculus - College Algebra and Trigonometry | 4 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 180 | Transition to Advanced Mathematics | 4 |
| MATH 200 | Multivariable Calculus | 4 |
| MATH 210 | Linear Algebra | 4 |
| MATH 220 | Differential Equations | 4 |
| PHIL 111 | Critical Thinking And Writing In Philosophy | 3 |
| PHIL 205 | Introduction to Logic | 3 |
| PSY 150 | Statistics for the Behavioral Sciences | 4 |
| SOC 125 | Introduction to Statistics in Sociology | 4 |

# Santa Barbara City College Institutional Requirements (Area E)

Complete Area E-1 and three of the four subsections listed below (E2-E5). **Courses in Area E may also be counted to meet one of the Areas A-D above.**

## E-1: Mathematics Requirement

*(0-5 semester units or 0-5 quarter units)*
*Students must demonstrate math competency at or above MATH 107 Intermediate Algebra by completing one of the following courses with a grade of "C" or better (or Pass):*

| Code | Title | Units |
| --- | --- | --- |
| CS 118 | Data Science for All | 4 |
| MATH 107 | Intermediate Algebra | 5 |
| MATH 108 | Mathematical Concepts for Elementary School Teachers-Number Systems | 4 |
| MATH 110C | Support for Statistics and Liberal Arts Math | 2 |
| MATH 114 | Mathematics for Liberal Arts Majors | 4 |
| MATH 117 | Elementary Statistics | 4 |
| MATH 118 | Data Science for All | 4 |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | 5 |
| MATH 130C | Support for Calculus for Biological Sciences, Social Sciences and Business I | 2 |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | 3 |
| MATH 137 | College Algebra | 5 |
| MATH 137C | Support for College Algebra | 2 |

| MATH 138 | Precalculus - College Algebra and Trigonometry | 4 |
| MATH 138C | Support for Precalculus | 2 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 150C | Support Course for Calculus with Analytic Geometry I | 2 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 160C | Support Course for Calculus with Analytic Geometry II | 2 |
| MATH 180 | Transition to Advanced Mathematics | 4 |
| MATH 200 | Multivariable Calculus | 4 |
| MATH 210 | Linear Algebra | 4 |
| MATH 220 | Differential Equations | 4 |
| PSY 150 | Statistics for the Behavioral Sciences | 4 |
| SOC 125 | Introduction to Statistics in Sociology | 4 |
| SS 110C | Pre-Statistics Support for the Social Sciences | 2 |

**Note:** Students may demonstrate math competency at or above MATH 107 (Intermediate Algebra) for the Associate Degree (AA/AS) by validation through the Transcript Evaluation Office. Visit the following website for information about available options: http://www.sbcc.edu/studentservices/mathrequirementcomp.php.

Complete three of the four (3 of 4) subsections listed below (E2-E5). **A course used to meet Area E2 *cannot* be used to also meet Area E-5.**

## E-2: American Institutions

*(3 semester units or 4 quarter units):*

| Code | Title | Units |
| --- | --- | --- |
| Complete one course from the following: | | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors | 4 |
| HIST 110 | History of American Women | 3 |
| HIST 110H | History Of American Women (Honors) | 4 |
| NATA 101 | American Indian: Past and Present | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/Process | 3 |

## E-3: Physical Education and Health Education

*(2-4.5 semester units or 2-5 quarter units)*
*(Choose one option below):*
*Option One: 2 Physical Education Activity courses for a total of 2-3 semester units (or 2 quarter units)*

*Option Two: 1-1.5 semester units (or 1 quarter unit) of Physical Education Activity and 3 semester units (or 4 quarter units) of Health Education chosen from  HE 101 Personal Health Awareness or HE 102 Personal Health for Women or HE 213 Concepts in Health and Physical Fitness.*

## E-4: Oral Communication

*(3 semester units or 4 quarter units):*

| Code | Title | Units |
| --- | --- | --- |
| COMM 121 | Interpersonal Communication | 3 |
| COMM 121H | Interpersonal Communication, Honors | 3 |
| COMM 122 | Mediated Interpersonal Communication | 3 |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| COMM 131H | Fundamentals Of Public Speaking, Honors | 3 |
| COMM 141 | Small Group Communication | 3 |
| COMM 161 | Communication in Organizations | 3 |
| COMM 162 | Mediated Communication in Organizations | 3 |
| COMM 235 | Argumentation and Debate | 3 |

## E-5: Multicultural/Gender Studies

*(3 semester units units or 4 quarter units):*

| Code | Title | Units |
| --- | --- | --- |
| AJ 105 | Diversity, Law and Justice | 3 |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 104 | Language and Culture | 3 |
| ANTH 109 | Comparative World Cultures | 3 |
| ANTH 110 | Culture and Society Through Cartoons | 3 |
| ANTH 113 | Witchcraft, Magic, Science And Religion | 3 |
| ART 108 | History of Asian Art | 3 |
| ART 110 | History of Women in Art | 3 |
| ART 111 | Survey Of Tribal Arts | 3 |
| ART 112 | Survey Of Ancient American Art | 3 |
| ART 215 | Survey Of Non-Western Art | 3 |
| ART 216 | Survey Of Islamic Art And Architecture | 3 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 [1] | 3 |
| ASAM 102 | Contemporary Asian-American History [1] | 3 |
| ASL 125 | American Deaf Culture and History | 4 |
| BLST 101 | The African-American In U.S. History To World War II [1] | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present [1] | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors [1] | 4 |
| BLST 103 | African-American Culture [1] | 3 |
| BLST 111 | The African-American Music Experience [1] | 3 |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. [1] | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. [1] | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present [1] | 3 |
| CHST 103 | Mexican-American (Chicano) Culture [1] | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature [1] | 3 |
| CHST 114 | Borderlands Literature: U.S.-Mexico [1] | 3 |
| CHST 115 | Introduction To Mexican Literature | 3 |
| CHST 121 | The Chicana And Other Latina Women [1] | 3 |
| CHST 130 | History Of Mexican Art | 3 |
| CHST 131 | History Of Chicano Art [1] | 3 |
| CHST 160 | Chicano Theatre | 3 |
| COMM 142 | Leadership in a Global Society | 3 |
| COMM 151 | Intercultural Communication | 3 |
| ECE 131 | The Developing Bilingual Child | 3 |
| ECE 132 | Teaching in a Diverse Society | 3 |
| ENG 241 | Contemporary Women Writers | 3 |
| ESL 134 | Writing Level 5 | 4 |
| ETHS 101 | The Immigrant Experience in the U.S. [1] | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors [1] | 4 |
| ETHS 103 | The American Ethnic Cultural Experience [1] | 3 |
| ETHS 107 | Racism In America [1] | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands | 3 |
| ETHS 110 | Contemporary Ethnic Communities | 3 |
| ETHS 117 | Cultural Diversity In Film | 3 |
| ETHS 120 | Race, Ethnicity and Social Movements in the United States | 3 |
| ETHS 121 | Women of Color In The U.S. [1] | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | 3 |
| FS 109 | Film and Cultural Criticism [1] | 3 |
| FS 110 | World Cinema to 1960's | 3 |
| FS 111 | Contemporary World Cinema | 3 |
| FS 112B | Art Cinema | 3 |
| FS 112C | Spanish and Latin American Film | 3 |
| FS 116 | Gender and Sexuality in Film | 3 |
| GEOG 102 | Human Geography | 3 |
| GEOG 104 | World Regional Geography | 3 |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| HIST 108 | World Civilization, 1550 to Present | 3 |
| HIST 110 | History of American Women | 3 |
| HIST 110H | History Of American Women (Honors) | 4 |
| HIST 111 | The American West as Frontier and Region [1] | 3 |
| HIST 127 | History Of Russia | 3 |
| HIST 133 | History of Latin America | 3 |

| HIST 134 | History Of Latin America: 1800'S To Modern Period | 3 |
|---|---|---|
| HIST 135 | History of Mexico | 3 |
| HIST 137 | History of Religions of The Middle East | 3 |
| HIST 138 | History of the Modern Middle East | 3 |
| MUS 112 | History of Jazz [1] | 3 |
| MUS 115 | History And Appreciation Of Rock And Popular Music | 3 |
| MUS 118 | World Music | 3 |
| NATA 101 | American Indian: Past and Present [1] | 3 |
| NATA 102 | The Native American In 20th Century Society [1] | 3 |
| NATA 103 | Native American Cultural Heritage | 3 |
| NATA 104 | California Indians [1] | 3 |
| NATA 105 | California Tribes: The Chumash [1] | 3 |
| NATA 112 | Native American Visual And Musical Art [1] | 3 |
| NATA 113 | The Indian In Literature: Fact And Fiction [1] | 3 |
| PHIL 102 | Comparative World Religions | 3 |
| POLS 121 | International Politics | 3 |
| POLS 121H | International Politics, Honors | 4 |
| POLS 134H | Political Violence, Honors | 4 |
| POLS 136 | Middle East Government And Politics | 3 |
| SOC 103 | Marriage, Family and Intimacy | 3 |
| SOC 107 | Racism in America [1] | 3 |
| SOC 110 | Culture and Society Through Cartoons | 3 |
| SOC 113 | Sociology Of Sex and Gender | 3 |
| SOC 127 | Introduction to Women's Studies | 3 |
| SPAN 132 | Introduction to Literary Analysis | 3 |
| SPAN 139 | Contemporary Cultures Of Spain | 3 |
| SPAN 146 | Intermediate Spanish for Native Speakers I | 5 |
| SPAN 147 | Intermediate Spanish for Native Speakers II | 5 |
| TA 160 | Chicano Theatre | 3 |

[1]  These courses fulfill UCSB's General Education ethnicity requirement.

# Santa Barbara City College Information Competency Requirement (Area F)

1. Complete at least 1.0 semester unit (or 1.0 quarter unit): Required of *ALL* new to college and new transfer students entering SBCC in Fall 2007 and after. Also required of all students who were enrolled at SBCC before Fall 2007, stopped attending for one semester or more, and returned to SBCC in Fall 2007 or after to complete degree requirements. *Exception*: Information Competency is required effective Summer 2006 for Liberal Studies majors. LIBR 101 Information Literacy with a Pass (P) satisfies this requirement.

# Certificates
# Santa Barbara City College Certificates of Achievement

**SBCC Certificates of Achievement and specific requirements are available** here (https://catalog.sbcc.edu/programs/programtype/ #certificatestext**).**

A state-approved program of study, designed to prepare students for job entry or career advancement, allows for Certificate programs comprised primarily of courses within a specific discipline. For most Certificate programs, students must complete all department requirements with a cumulative grade point average (GPA) of 2.0 or better. Some Certificate programs require a "C" or better in every course. Candidates for a Certificate of Achievement are expected to complete at least 20% of the department requirements in residence at SBCC.  Some certificates may require a higher percentage of requirements completed in residence at SBCC, Certificates of Achievement differ from Associate Degrees in that they do not require completion of SBCC Graduation Requirements for the Associate Degree.

# Skills Competency Awards
# Santa Barbara City College Skills Competency Awards

**SBCC Skills Competency Awards and specific requirements are available** here **(**https://catalog.sbcc.edu/programs/programtype/ #skillscompetencyawardstext**).**

The Skills Competency Award (SCA) Program identifies courses which, when taken together, will best prepare students to enter the work force in their chosen field. Candidates for a Skills Competency Award are expected to complete at least 20% of the department requirements in residence at SBCC. Some SCAs may require a higher percentage of requirements completed in residence at SBCC. Skills Competency Awards are not state-approved. These awards provide future employers with verification that the student has mastered core competencies. Students must complete each required course with a "C" or better or Pass (P).

# Department Awards
# Santa Barbara City College Department Awards

**SBCC Department Awards and specific requirements are available** here (https://catalog.sbcc.edu/programs/programtype/ #departmentalawardstext**).**

Department Awards are designed to provide students with needed skills in a particular area in a short period of time. Department Awards are not state-approved. They are offered to provide recognition of achievement in the following areas:

- Bio-Medical Sciences
- Game Design
- Marine Science
- Music
- Natural History

# SCHOOL OF EXTENDED LEARNING

School of Extended Learning offers educational and community programs that serve our diverse adult population. Our programs advance career and life skills, and offer bridges to credit.

Our programs are designed for adult learners seeking to advance their career or life skills. Most Extended Learning programs are tuition-free and include Adult High School/GED, English as a Second Language, Career and Vocational Skills, Courses for Older Adults, Home Economics, Parenting, and Health & Safety. These programs can provide pathways for students to advance to the credit division of SBCC and/or obtain employment. In addition to tuition-free programs, Extended Learning offers fee-based programs in life enhancement subjects such as Cooking, Culture, Travel, Fitness, Recreation, Do-It-Yourself, Languages, and Spirituality. Courses at the School of Extended Learning are largely offered at our Wake and Schott campuses.

*For application and registration help, visit the SEL website listed at the top of this page.*

## Programs

Please click on the noncredit program links for more information and to see the Certificates of Completion and Certificates of Competency.

- Adult High School/GED (p. 79)
- Career Skills (p. 84)
- ESL (Noncredit) (p. 115)
- Health and Safety (p. 121)
- Home Economics (p. 123)
- Older Adults (p. 123)
- Parenting (p. 136)

## School of Extended Learning: Adult High School and GED/Bilingual GED

The Adult High School (AHS) Diploma Program is designed for adults who want to earn their high school diploma. Students meet with an advisor to create an individual learning plan, and work one-on-one with faculty and in small groups with other students. Subjects include reading comprehension, vocabulary and grammar, spelling, writing, mathematics and other subjects. Credit towards our high school completion program can be transferred from other accredited high schools or colleges. We offer free classes, student support services such as transcript analysis, assessment, orientation, registration support, academic advising/counseling and career counseling and a flexible class schedule.

GED exam preparation classes are designed for students who are 18 years of age or older who wish to earn a high school equivalency certificate. Students are given instruction in the basic skills needed, and have the opportunity to take practice tests that will help them successfully complete all GED exams. Classes are offered both daytime and evenings. GED exam preparation classes are also offered bilingually (Spanish/English).

## Programs

Department website: https://www.sbcc.edu/extendedlearning/ahs-ged (https://www.sbcc.edu/extendedlearning/ahs-ged.php)

## Adult High School Diploma

The Adult High School (AHS) Diploma Program is designed for adults who want to earn their high school diploma. Students meet with an advisor to create an individual learning plan, and work one-on-one with faculty and in small groups with other students. Subjects include reading comprehension, vocabulary and grammar, spelling, writing, mathematics and other subjects.

Credit towards our high school completion program can be transferred from other accredited high schools or colleges. We offer free classes, student support services such as transcript analysis, assessment, orientation, registration support, academic advising/counseling and career counseling and a flexible class schedule.

Our program is approved through the state of California Community College Chancellor's Office. Santa Barbara City College is fully accredited by the Commission for Community and Junior Colleges, which is part of the Western Association of Schools and Colleges (WASC). The College is also approved by the California Department of Education.

**For more information or to schedule an appointment with an advisor prior to registration**, please call the Student Services office at the Schott Campus: 805-898-8160.

## GED®

GED® exam preparation classes are designed for students who are 18 years of age or older who wish to earn a high school equivalency certificate. Students are given instruction in the basic skills needed, and have the opportunity to take practice tests that will help them successfully complete all GED exams. Classes are offered both daytime and evenings. GED exam preparation classes are also offered bilingually (Spanish/English).

For more information or to schedule an appointment with an advisor prior to registration, please call Student Support Services at the Schott Campus: (805) 898-8160.

### GED® EXAM

You can take the GED exam on a computer at the Santa Barbara City College Schott Campus Community Technology Center, roomf 16 and 17.

The GED exam consists of four subject areas: Math, Science, Social Studies, Reading/Language Arts (writing)

You will need to receive 145 points on each of the four exams, for a total of 580 points, to earn your GED certificate. Each exam costs $35, payable online with a credit or debit card, or agency voucher, for a total cost of $140. The GED exam is offered the first three Fridays of the month, 4:30 p.m.-8:30 p.m.

Register for the GED exams online at: www.ged.com (http://www.ged.com/).

For all GED questions call (805) 898-8153.

# GED (Bilingual)

Puede tomar el examen de GED en una computadora en el Centro de Tecnología Comunitaria del Campus Schott de Santa Barbara City College, sala 16.

El examen de GED consta de cuatro áreas temáticas: Matemáticas, Ciencias, Estudios Sociales, Lectura / Artes del Lenguaje (escritura) Deberá recibir 145 puntos en cada uno de los cuatro exámenes, por un total de 580 puntos, para obtener su certificado de GED. Cada examen cuesta $ 35, puede pagar en línea con una tarjeta de crédito o débito, por un costo total de $ 140. El examen de GED se ofrece los primeros tres sábados del mes, de 9:30 a.m. a 3:30 p.m.

Regístrese para los exámenes de GED en línea en: www.ged.com.

Para preguntas generales de GED llame al (805) 898-8153.

# Courses

### GED NC010 GED Language Arts (0 Units)
Hours: 200 (200 lecture)
Prepares students for the GED Reasoning Through Language Arts exam. Topics include applying critical thinking skills to reading fiction and informational texts; reviewing language mechanics, grammar, vocabulary and editing skills; and writing extended response essays. Emphasis is also placed on developing test-taking strategies Course restricted to 98 repetitions

### GED NC020 GED Social Studies (0 Units)
Hours: 200 (200 lecture)
This course prepares students for the GED Social Studies exam. Topics include a review of key concepts in US government, US history, world history, and economics. Emphasis is placed on developing test-taking skills and strategies and on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams. Course restricted to 98 repetitions

### GED NC030 GED Science (0 Units)
Hours: 200 (200 lecture)
This course prepares students for the GED Science exam. Topics include a review of key concepts and processes in biology, chemistry, physical, and earth and space science. Emphasis is placed on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams, and on developing test-taking strategies. Course restricted to 98 repetitions

### GED NC050 GED Mathematics (0 Units)
Hours: 200 (200 lecture)
This course prepares students for the GED Mathematics exam. Topics include review of whole-number operations, fractions, decimals, percent, geometry, and algebra. Emphasis is placed on developing test-taking skills as well as developing strategies for solving word problems, graph problems, and problems typically found on the GED and other mathematics exams. Course restricted to 98 repetitions

### GEDB NC060 GED Test Subject - Bilingual Reading (0 Units)
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Reasoning through Language Arts exam. Topics include applying critical thinking skills to reading fiction and informational texts; reviewing language mechanics, grammar, vocabulary, and editing skills; and writing extended response essays. Emphasis is also placed on developing test-taking strategies. Course restricted to 98 repetitions

### GEDB NC070 GED Test Subject - Bilingual Social Studies (0 Units)
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Social Studies exam. Topics include a review of key concepts in US government, US history, world history, and economics. Emphasis is placed on developing test-taking skills and strategies and on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams. Course restricted to 98 repetitions

### GEDB NC080 GED Test Subject - Bilingual Science (0 Units)
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Science exam. Topics include a review of key concepts and processes in biology, chemistry, physical, and earth and space science. Emphasis is placed on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams, and on developing test-taking strategies. Course restricted to 98 repetitions

### GEDB NC100 GED Test Subject - Bilingual Mathematics (0 Units)
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Mathematics exam. Topics include review of whole-number operations, fractions, decimals, percent, geometry, and algebra. Emphasis is placed on developing test-taking skills as well as developing strategies for solving word problems, graph problems, and problems typically found on the GED and other mathematics exams. Course restricted to 98 repetitions

### HSCA NC010 Learning Skills: PowerPoint (1-2 Units)
Hours: 40 (40 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to utilize Microsoft Office PowerPoint. Topics include formatting and designing slides, creating and presenting slideshow presentations, and using templates, sound effects and images. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

### HSCA NC020 Learning Skills: Access (1-2 Units)
Hours: 40 (40 lecture)
Using software tutorials, this competency-based Adult High School course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Access. Topics include designing and managing databases, using macros and queries to manage data, designing forms and creating reports. Software based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

### HSCA NC030 Learning Skills: Outlook (1-2 Units)
Hours: 40 (40 lecture)
Using software tutorials, this competency-based Adult High School course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Outlook. Topics include designing and managing personal calendars and schedules, using and maintaining inboxes and contacts and scheduling tasks. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSCA NC040 Learning Skills: Excel (1-2 Units)**
Hours: 40 (40 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to effectively utilize Microsoft Office Excel. Topics include designing and managing spreadsheets, using spreadsheets to manage data, and creating charts, graphs, formulas and functions. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSCA NC050 Learning Skills: Word Basics (1-2 Units)**
Hours: 40 (40 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to effectively utilize Microsoft Office Word. Topics include document formatting and editing, creating tables and templates, and collaborating on the production of documents. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSEC NC010 Economics (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in economics covering basic macro and microeconomics terms and theories, including consumer behavior, supply and demand, incentives, economic decision-making, and fundamental business, government and personal finance issues. Critical thinking and writing skills, as well as application to current events and everyday life, are emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - Economics

**HSEC NC020 Introduction to Social Economics (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School Economics course designed to acquaint students with economic knowledge from the view of the individual consumer or small business owner to the global economy. It will examine the law of supply and demand, forms of business, government finances, and their influences on economic cycles. Course restricted to 98 repetitions
Transfer Information: AHS - Economics

**HSEN NC001 Reading and Composition 1 (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School English course providing instruction in analytical reading skills and in writing well-developed sentences and paragraphs. The course includes vocabulary development as well as a review of language mechanics, spelling and grammar. Students read and analyze literary works and create a writing portfolio utilizing a variety of writing formats. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC002 Reading and Composition 2 (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School English course in developing and refining analytical reading and writing skills. Students analyze literature, learn to write well-developed three-paragraph essays, improve vocabulary, and review language mechanics, spelling and grammar skills. Students also develop a writing portfolio comprising a variety of essay types, such as analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC003 Reading and Composition 3 (1-10 Units)**
Hours: 200 (200 lecture)
This Adult High School English course helps students further develop analytical reading and writing skills. Students analyze literature, write well-developed five-paragraph essays, increase vocabulary, and refine language mechanics, spelling and grammar skills. Students will also develop a writing portfolio comprising a variety of essay types, including comparative, analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC005 Academic Writing (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School English course offers students a study of critical thinking and composition, combined with instruction in literature. Students read both fiction and nonfiction texts with an emphasis on performing close readings, understanding literary techniques, and evaluating claims. This course includes instruction in research and evaluating and documenting sources. Course restricted to 98 repetitions
Transfer Information: AHS - English

**HSEN NC01A Reading and Composition 1A (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course providing instruction in analytical reading skills and writing well-developed sentences and paragraphs. The course includes vocabulary development as well as a review of language mechanics, spelling and grammar. Students read and analyze literary works and create a writing portfolio utilizing a variety of writing formats. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC01B Reading and Composition 1B (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course providing instruction in analytical reading skills and writing well-developed sentences and paragraphs. Students learn to recognize and apply literary techniques, read and analyze excerpts from literature as well as a level-appropriate novel, and create a writing portfolio utilizing a variety of writing formats. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC02A Reading and Composition 2A (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course to develop and refine analytical reading and writing skills. Students analyze literary excerpts, learn to write well-developed three-paragraph essays, improve vocabulary, and review language mechanics, spelling and grammar. Students also develop a writing portfolio comprising a variety of essay types, such as analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC02B Reading and Composition 2B (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course in developing and refining analytical reading and writing skills. Students analyze a novel, write well-developed three-paragraph essays, improve vocabulary, and review language mechanics, spelling and grammar skills. Students also develop a writing portfolio comprising a variety of essay types, such as analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC03A Reading and Composition 3A (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School English course helps students further develop analytical reading and writing skills. Students analyze literature, write well-developed five-paragraph essays, increase vocabulary, and refine language mechanics, spelling and grammar skills. Students will also develop a writing portfolio comprising a variety of essay types, including comparative analytical, and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC03B Reading and Composition 3B (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School English course helps students further develop analytical reading and writing skills. Students analyze literature, write well-developed five-paragraph essays, increase vocabulary, and refine language mechanics, spelling and grammar skills. Students read novels and develop a writing portfolio comprising a variety of essay types. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSHE NC010 Health (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course on health literacy. Course topics include personal health and safety, evaluation of health resources, anatomy and physiology, nutrition, diabetes, drug abuse and treatment, and environmental health. Course restricted to 98 repetitions
Transfer Information: AHS - Health

**HSHI NC030 American History: Part 1 (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course on early United States history up to 1877, including Native Americans, European settlements and the colonial period, the culture and contribution of African Americans, the American Revolution and the creation of the U.S. Constitution, industrialism, territorial expansion, and the causes and consequences of the Civil War. Course restricted to 98 repetitions
Transfer Information: AHS - US History

**HSHI NC040 American History: Part 2 (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School United States history course covering 1865 to the present, beginning with the Reconstruction period and continuing with expansionism, industrialism, the causes and consequences of World War 1, the Great Depression, World War II, the Cold War period, the Civil Rights movement, globalization and America's role in the modern world. Course restricted to 98 repetitions
Transfer Information: AHS - US History

**HSHI NC050 Immigrant Contributions and Experiences in the United States (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in history and ethnic studies covering the Native American experience; the imposition of a master narrative and its effects on immigrants from Africa, Ireland, Asia, Mexico, Latin America; and the Jewish and Muslim diasporas. The context of majority culture, relationships between groups, and contributions of minorities are emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - US History

**HSMA NC010 Mathematics A: Whole Number Arithmetic (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in basic whole-number arithmetic. Topics include place value, reading and writing numbers, rounding, estimation and development of problem-solving skills in whole number addition, subtraction, multiplication and division. Application of these skills to everyday life and workplace skills is emphasized, including measurement and reading charts and tables. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

**HSMA NC020 Mathematics B: Fractions, Decimals, Percents (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School mathematics course covering fractions, decimals, and percent. Topics include development of computational and problem-solving skills, as well as the application of those skills to solve measurement, basic geometry, financial, and other workplace and life skills problems. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

**HSMA NC030 Mathematics C: Pre-Algebra (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School pre-algebra course includes a review of percent, ratio, proportion, measurement, formulas and basic algebraic equations, as well as basic geometry, graphing, probability, signed numbers, roots and exponents. Development of mathematical reasoning skills and applications to workplace, consumer and everyday life skills are emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - Algebra

**HSMA NC040 Introductory Algebra (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School introductory algebra course. Course begins with a review of pre-algebra concepts such as order of operations, signed numbers, roots, formulas and writing simple algebraic expressions. Additional topics include writing, simplifying, and solving monomial and polynomial equations; functions and coordinate graphs; systems of equations; inequalities; proportion; and quadratic equations. Course restricted to 98 repetitions
Transfer Information: AHS - Algebra

**HSMA NC050 Introductory Geometry (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School course in basic geometry, including measurement and relationships of lines, angles, plane figures and solid figures. Topics include development of mathematical reasoning skills and strategies, identifying and applying formulas, estimation, mental math, calculator use, and application of geometry to workplace and everyday life. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

**HSPD NC010 Learning Skills: Note Taking Strategies (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course is designed to expand students' knowledge of note taking techniques and purposes. Topics include basic functions of note taking, pre-reading strategies, the Cornell Method, clustering and outlining. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC020 Learning Skills: Time Management (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course on time management introduces students to techniques designed to help manage time effectively and to create healthier lifestyle patterns. Topics include scheduling and how to avoid cramming. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC030 Learning Skills: Learning Styles (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course will teach students to identify their personal learning styles and how to adapt them to dominant teaching styles. Topics include the Learning Styles Questionnaire, the four learning styles, and matching your learning style and strategies. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC040 Learning Skills: Test-Taking Skills (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course builds student test-taking confidence by examining academic and emotional management techniques. Topics include test anxiety, test preparation, and strategies to use during and before taking a test. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC050 Learning Skills: Writing Skills (1 Unit)**
Hours: 20 (20 lecture)
Adult High School course in developing and improving writing skills. Students learn strategies for planning, writing and revision. Topics include assignment analysis, thesis development, organization and self-editing, as well as a review of language mechanics, spelling and grammar. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC060 Engaging Critical Thinking and Writing Strategies (2 Units)**
Hours: 40 (40 lecture)
Reading and writing short skills course for increasing rational, higher order of critical reading and writing skills in order to meet the demands of advanced study in high school. Comprehension strategies will train students how to analyze arguments, problem solve, and acquire techniques for effective critical analysis and writing. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC070 Crossroads: Paving Your Career Path (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course is designed to provide students with a path toward career development. Students will explore viable tools to develop career planning skills, chart a plan for further career growth, understand the application and interviewing process, and write a professional resume and cover letter. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC080 Pathway to Financial Literacy (1 Unit)**
Hours: 20 (20 lecture)
Adult High School course designed to provide students with financial literacy and awareness. Students explore tools to create a budget, develop a financial plan, learn how to avoid financial scams, learn how to open checking and savings accounts, and understand fees and overdraft coverage. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC090 Career Exploration for Adult High School/GED Students (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course is designed to help students evaluate possible career options and pathways. Students examine their values, interests, abilities, and lifestyle and evaluate how these match with possible career choices. Research into career paths, available resources, and how they relate to students' current studies will be emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC100 Effective Use of Technology For Student Success (1-2 Units)**
Hours: 40 (40 lecture)
Adult High School course on the effective use of computer and web-based tools that are commonly used in classroom and workplace settings. Students will learn tips and best practices for using email, online calendars, course websites, and other technology, including Pipeline, Canvas, g-mail, Google Docs, and Google Slides. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPS NC020 Survey of U.S. Government (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School survey course on the United States government. Topics include types of governments, foundations and principles of the U.S. Constitution, civil rights and responsibilities, structures and processes of the U.S. government, and factors that shape domestic and foreign policy. The course also emphasizes development of critical thinking and writing skills. Course restricted to 98 repetitions
Transfer Information: AHS- US Government

**HSPS NC030 American Government and Civics (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course on US government and the rights and responsibilities of citizens, with an emphasis on discussion and analysis of current events. Course restricted to 98 repetitions
Transfer Information: AHS- US Government

**HSSC NC010 Marine Biology (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in marine biology. Topics include marine organisms and habitats, research methods in marine biology, renewable and non-renewable marine resources, and global environmental issues affecting life in the oceans. Course restricted to 98 repetitions
Transfer Information: AHS - Life & Physical Science

**HSSC NC020 Oceanography (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in Oceanography. Topics include the origin of the continents and oceans, marine geology, chemistry of seawater, currents, waves, tides, sediments and the coast. Course restricted to 98 repetitions
Transfer Information: AHS - Life & Physical Science

**HSSC NC030 Biology (1-10 Units)**
Hours: 200 (200 lecture)
This Adult High School course introduces students to the basic concepts necessary to understand the diversity and complexity of life on earth. Topics include the scientific method, the chemistry of living things, cell structure and function, genetics and heredity, evolution and adaptation, unicellular and multi-cellular organisms, human biology and ecology. Course restricted to 98 repetitions
Transfer Information: AHS - Life & Physical Science

**HSSC NC040 Earth Science (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School course introducing the basic concepts necessary to understand the planet earth and its natural phenomena. Topics covered include the scientific method, climate, geology, plate tectonics and astronomy. Textbook is supplemented with interactive multimedia and software assignments.
Transfer Information: AHS - Life & Physical Science

**HSVA NC001 Visual Arts and Media Techniques/Art Studio 1 (1-10 Units)**
Hours: 200 (200 lecture)
This Adult High School course promotes an understanding of visual arts and media techniques as well as the skills associated with composition and design. Students are expected to simultaneously enroll in an art studio course and/or produce a portfolio of artwork demonstrating their understanding of visual arts and compositional techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Visual & Performing Arts

**HSVA NC01A Visual Arts and Media Techniques/Art Studio 1A (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in visual arts, media techniques, and design skills. Topics include the impact of visual art in everyday life, analysis of art, and compositional techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Visual & Performing Arts

**HSVA NC01B Visual Arts and Media Techniques/Art Studio 1B (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School course provides an introduction to visual literacy, media interpretation and art composition. Topics include critical analysis of art in mass media, addressing compositional issues, understanding artistic bias, agency and context, and the application of artistic methods. Course restricted to 98 repetitions
Transfer Information: AHS - Visual & Performing Arts

**HSWH NC010 World History 1: Early Civilizations (1-5 Units)**
Hours: 100 (100 lecture)
An Adult High School Course in world history, covering the development of cultures from the pre-historic and ancient worlds to early Asian, Greek, Roman, European, African and American civilizations. An emphasis is placed on analyzing selections of historical documents to understand the achievements and collapses of nations, empires and kingdoms. Course restricted to 98 repetitions
Transfer Information: AHS- World History

**HSWH NC020 World History 2: Modern Regions (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in world history covering major developments and events from the European Renaissance to modern times, including political, social, religious and economic revolutions. An emphasis is placed on evaluating selections of historical documents to gain greater understanding of major themes and enduring issues that continue to influence world events. Course restricted to 98 repetitions
Transfer Information: AHS- World History

# School of Extended Learning: Career Skills

We offer training to adults re-entering the workforce and to any student interested in up-skilling in the areas of business, design, technology, and career education. We partner with employers in the community to complement their own employee training programs. In addition, we are a proud partner with the Santa Barbara County Sheriff's Department, offering skills training to inmates in the local jail.

For assistance with application and registration, please visit the Apply and Register (https://www.sbcc.edu/extendedlearning/apply-register.php) page of our website.

For more information about programs or content, please contact Jeanette Chian at jchianbrooks@sbcc.edu.

# Certificates

Department website: https://www.sbcc.edu/extendedlearning (https://www.sbcc.edu/extendedlearning/).
For more information about programs or content, please contact Jeanette Chian at jchianbrooks@sbcc.edu.

## A

- Advanced Green Gardener, Certificate of Completion (p. 102)

## B

- Basic Digital Imaging, Certificate of Completion (p. 102)
- Basic Internet Skills, Certificate of Completion (p. 102)
- Basic MAC Software Skills, Certificate of Completion (p. 102)
- Beginning MAC Skills, Certificate of Completion (p. 103)
- Blogging for Business - NC Certificate of Completion (https://catalog.sbcc.edu/sel/career-skills/blogging-for-business-nc-completion/)

## C

- Career Strategist, Certificate of Completion (p. 103)
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- Computer Basic Skills, Level 2, Certificate of Completion (p. 104)
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## D

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## E

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- Effective Marketing Communication Management, Certificate of Completion (p. 106)
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## F

- Fundamental Computer Skills (Bilingual), Certificate of Completion (https://catalog.sbcc.edu/sel/career-skills/fundamental-computer-skills-bilingual-certificate-completion/)
- Fundamentals of Graphic and Web Design (Bilingual), Certificate of Completion (p. 107)

# Courses
# Accounting (ACTV)

### ACTV NC001 Setting up QuickBooks for Small Business (0 Units)
Same as: ACTW NC001
Hours: 16 (16 lecture)
Accounting fundamentals - Learn the basics of small business bookkeeping using QuickBooks, financial reporting, and how to analyze and record financial transactions. Discuss accounts receivable, accounts payable, payroll procedures, sales taxes and common banking activities. Course restricted to 98 repetitions

### ACTV NC002 Monthly Procedures using QuickBooks (0 Units)
Same as: ACTW NC002
Hours: 16 (16 lecture)
Develop and apply monthly procedures used in accounting for small business. Continue to build small business accounting knowledge, gain practical experience working with day-to-day transactions. Reconcile balance sheet accounts and examine/audit income statement accounts on a monthly basis. Prepare adjusting journal entries. Prepare financial statements. Course restricted to 98 repetitions

### ACTV NC003 Year End Procedures (0 Units)
Same as: ACTW NC003
Hours: 16 (16 lecture)
Develop and apply year-end procedures used in accounting for small business. Prepare closing journal entries for year-end. Prepare reports for tax accountant. Purge files and prepare for the new year. Course restricted to 98 repetitions

### ACTV NC101 Introduction to Accounting Basics 1 (0 Units)
Same as: ACTW NC101
Hours: 15 (15 lecture)
Learn the basics of accounting for a small business, including financial reporting, analyzing and recording financial transactions. Understand the concept of keeping the accounting equation in balance with a double-entry system using debits and credits. Discuss accounts receivable, accounts payable and the accounting cycle. Course restricted to 98 repetitions

### ACTV NC102 Introduction to Accounting Basics 2 (0 Units)
Same as: ACTW NC102
Hours: 12 (12 lecture)
Discuss and apply the accounting fundamentals learned from Accounting Basics 1 and how they apply to cost of goods sold and sales tax. Prepare bank, credit card and loan statement reconciliations. Discuss petty cash and implement payroll integration. Course restricted to 98 repetitions

### ACTV NC214 Exploring IRS Enrolled Agent Work (0 Units)
Same as: ACTW NC214
Hours: 8 (8 lecture)
The student explores the work of an IRS enrolled agent and studies the requirements for the profession, including the Special Enrollment Examination, how to maintain enrolled agent status, and Circular 230 regulatory requirements. Course restricted to 98 repetitions

### ACTV NC215 Fundamentals of Income Tax (0 Units)
Same as: ACTW NC215
Hours: 72 (72 lecture)
Covers practical information on Federal and California income tax law as it relates to individuals and small businesses (proprietorships, partnerships, corporation and fiduciary entities). Course restricted to 98 repetitions

# Allied Health (AHV)

### AHV NC005 Medical Assistant IA: Administrative and Clinical Skills (0 Units)
Limitations on Enrollment: Admission to Program*, Health and Safety regulations.
Hours: 112 (112 lecture)
The required Immunization records, proof of negative TB, CPR and proof of an influenza immunization. Clinics may require the student to pass a fingerprint and background check. The student cannot have a criminal record for drug abuse. This requirement varies by work experience site. Some sites may have additional requirements including a valid driver's license and social security card. First of a three course Medical Assistant Training Program that prepares students for entry-level Medical Assisting. The Administrative (Front Office) component includes HIPAA including legal regulations, medical records, patient reception, and appointment scheduling. Clinical (Back Office) instruction in a practicum oriented classroom includes: infection control, vital signs, diagnostic tests, assisting with primary/family and specialties (surgery, OB/GYN, and pediatrics). Course restricted to 98 repetitions

### AHV NC006 Medical Assistant IB: Administrative and Clinical Skills Part Two (0 Units)
Prerequisites: AHV NC005.
Hours: 49 (49 lecture)
Second of a three course Medical Assistant Training Program that prepares students to work as entry-level Medical Assistants. The Administrative skills learned in Medical Assistant I A will be strengthened. Clinical skills enhancement will include cardiopulmonary procedures, and instruction in the collection and testing of laboratory specimens. Additionally, students will begin preparation for their hands-on Externship assignment at an area medical provider worksite. Course restricted to 98 repetitions

**AHV NC007 Medical Assistant II: Job Readiness & Field Work (0 Units)**
Prerequisites: AHV NC006.
Hours: 160 (20 lecture, 140 lab)
This 160-hour course provides job readiness skills and hands-on experience as Medical Assistants in local medical clinics and offices. Under supervision, students will perform administrative and clinical procedures within the Medical Assistant Scope of Practice, preparing them for future employment. Eligibility requires successful completion of Medical Assistant IA and IB. Course restricted to 98 repetitions

**AHV NC009 Integrating the Worksite Environment (0 Units)**
Prerequisites: AHV NC006 Third of the three-course Medical Assistant Training Program that enhances student development by integrating Medical Assistant Scope of Practice skills into a hands-on practicum.
Hours: 24 (24 lecture)
A Job Developer supports engagement of the students' hands-on assignment at a local medical provider worksite through an externship of 100-120 hours, as recommended by area employers. Classroom in-person interaction will augment the worksite experience through discussion, shared conversational challenges, and critical thinking. An awareness of cross-cultural care and communication is emphasized as a necessary component to serve culturally diverse patients. Course restricted to 98 repetitions

**AHV NC020 Personal Care Attendant I: Basic Care (0 Units)**
Hours: 42 (42 lecture)
Introduces students to entry-level Personal Care Attendant skills. Students will be taught how to assist patients and families with non-medically directed personal care and home management activities. It will prepare students to seek entry-level Personal Care Attendant employment. Course restricted to 98 repetitions

**AHV NC021 Personal Care Attendant II: Dementia & End of Life Care (0 Units)**
Prerequisites: AHV NC020.
Hours: 21 (21 lecture)
Focuses on dementia and end-of-life care. Topics include potential causes and successful strategies to deal with communication difficulties and problem behaviors, as well as activities that lead to successful care giving. End-of-life topics include advance planning, practical and emotional issues related to death and dying, and community resources for the support of families and caregivers. Course restricted to 98 repetitions

**AHV NC030 Restorative Nurse Assistant Training - Introduction (0 Units)**
Course Advisories: Must have current active CNA license, TB clearance and health care provider CPR.
Hours: 40 (24 lecture, 16 lab)
Prepares licensed CNAs (Certified Nurse Assistants) to assist patients/ residents in maintaining or promoting independence in the areas of mobility, range of motion, and the performance of activities of daily living. This course is the first in a two-part series leading to a SBCC Noncredit Educational Programs Certificate of Completion for Restorative Nurse Assistants. Course restricted to 98 repetitions

**AHV NC031 Restorative Nurse Assistant Training - Advanced (0 Units)**
Prerequisites: AHV NC030.
Hours: 14 (14 lecture)
Advanced course for licensed CNAs reviewing the aging process on the five senses, restorative techniques for the therapeutic use of heat and cold, positioning and exercise, and management for cognitive deficit. Course restricted to 98 repetitions

# Culinary Arts (CAV)

**CAV NC013 Safe Food Preparation and Serving, Module I (0 Units)**
Hours: 14 (14 lecture)
This course is Module I of a two-part course of study designed to provide students with information on various aspects of food handling, receiving, storing, and preparing. The emphasis of the course is to enhance safety and hygiene in the food industry, including the fast-food industry. Upon completion of Modules I and II, students will be prepared to take the ServSafe Foodhandler Test. May be taught bilingually. Course restricted to 98 repetitions

**CAV NC014 Safe Food Preparation and Serving, Module II (0 Units)**
Course Advisories: CAV NC013.
Hours: 14 (14 lecture)
Module II of a two-part course of study designed to provide students with information on various aspects of food handling, including equipment cleaning, pest control, and serving. The emphasis of the course is to enhance safety and hygiene in the food industry, including the fast-food industry. Upon completion of Modules I and II, students will be prepared to take the ServSafe Foodhandler Test. May be taught bilingually. Course restricted to 98 repetitions

**CAV NC015 Practical Table Service (0 Units)**
Hours: 25 (25 lab)
A hands-on approach to learning and practicing table service in a white-tablecloth dining room. Course restricted to 98 repetitions

# Computer Information Systems (CISV)

**CISV NC001 Installing and Configuring Windows Desktop (0 Units)**
Same as: CISW NC001
Hours: 178 (36 lecture)
Introduces students to the process of installing and configuring Windows desktop. Course restricted to 98 repetitions

**CISV NC002 Configuring Windows Devices (0 Units)**
Same as: CISW NC002
Course Advisories: CISW NC001.
Hours: 178 (36 lecture)
Introduces students to the process of configuring Windows devices. Course restricted to 98 repetitions

**CISV NC003 Installing and Configuring Windows Server (0 Units)**
Same as: CISW NC003
Hours: 178 (36 lecture)
Course introduces students to the process of installing and configuring a Windows server. Course restricted to 98 repetitions

**CISV NC004 Administering Windows Server (0 Units)**
Same as: CISW NC004
Course Advisories: CISW NC003.
Hours: 178 (36 lecture)
Provides students with the skills required to administer Windows servers. Course restricted to 98 repetitions

**CISV NC005 VMware vSphere Install and Configure (0 Units)**
Same as: CISW NC005
Hours: 27 (27 lecture)
Introduction to VMware vSphere, with an emphasis on the installation and configuration of the product. Course restricted to 98 repetitions

**CISV NC006 VMware vSphere Advanced Management (0 Units)**
Same as: CISW NC006
Course Advisories: CISW NC005.
Hours: 27 (27 lecture)
Managing advanced features of VMware vSphere. Course restricted to 98 repetitions

**CISV NC020 Visual Basic for Applications: Excel (0 Units)**
Same as: CISW NC020
Hours: 8 (8 lecture)
Course introduces students to automating Excel applications using Visual Basic for Applications programming. Course restricted to 98 repetitions

**CISV NC021 Visual Basic for Applications: Access (0 Units)**
Hours: 8 (8 lecture)
Course introduces students to automating Access applications using Visual Basic for Applications programming. Course restricted to 98 repetitions

**CISV NC100 Computer Information Technology Fundamentals: Part 1 (0 Units)**
Hours: 40 (8 lecture)
This class is an introduction to computer technology concepts. Students will explore the history of computing, hardware concepts, and categories of software. Course restricted to 98 repetitions

**CISV NC101 Computer Information Technology Fundamentals: Part 2 (0 Units)**
Hours: 40 (8 lecture)
This class is an introduction to computer technology concepts. Students will explore the network technologies, Internet and Web technologies, computer security and computer careers. Course restricted to 98 repetitions

# Computer Applications (CMPW)

**CMPW NC001 Typing-Keyboarding (Bilingual) (0 Units)**
Hours: 40 (40 lecture)
This bilingual course promotes an understanding of basic typing and keyboarding skills. It is intended for students who have no keyboarding experience or who need to improve their keyboarding skills. Students increase their speed, and learn techniques and strategies to prevent repetitive strain injuries and carpal tunnel syndrome. Course restricted to 98 repetitions

**CMPW NC002 Introduction to Computers (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This bilingual course promotes an understanding of basic computer skills. This class provides basic knowledge of computers such as hardware, software and basic terminology. It is designed for beginners who desire to learn the navigation of the windows environment, file management, keyboard layout and mouse techniques. Course restricted to 98 repetitions

**CMPW NC003 Introduction to Windows Operating Systems (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This bilingual course provides a basic overview of the Windows Operating System. Topics include file management, memory and storage management, and desktop customization. Recommended for students new to computers and serves as a foundation for various Windows Operating System versions. Course restricted to 98 repetitions

**CMPW NC004 Introduction to the Internet and Email (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This introductory bilingual course provides a basic understanding of the Web and electronic mail. Students learn to navigate the Web, use search engines and techniques to obtain specific information. Email etiquette, email management, security and protection of privacy are included. Course restricted to 98 repetitions

**CMPW NC005 Microsoft Word Fundamentals (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This introductory bilingual course provides a basic understanding of Microsoft Word functions for document creation, including entering text, revising, formatting, previewing and printing. Students practice creating a variety of documents. Course restricted to 98 repetitions

**CMPW NC006 Microsoft PowerPoint Fundamentals (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This introductory bilingual course provides a basic understanding of Microsoft PowerPoint, a program that allows students to create effective digital presentations to convey a message through the use of words, graphics, shapes, color, sound and special effects. Course restricted to 98 repetitions

**CMPW NC007 Microsoft Excel Fundamentals (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This bilingual course for beginners provides a basic understanding of Microsoft Excel. Students learn the basics of creating a spreadsheet, using formulas, functions, and inserting charts. Course restricted to 98 repetitions

**CMPW NC008 Microsoft Publisher Fundamentals (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This bilingual course teaches students the fundamentals of Microsoft Publisher. Students learn how to create desktop publishing documents such as business cards, flyers, greeting cards and others. Course restricted to 98 repetitions

**CMPW NC010 Computer/Skills (Bilingual) (0 Units)**
Hours: 54 (54 lecture)
The bilingual computer skills course features individualized, hands-on instruction and small group lectures. Students learn at their own pace and design their own practice schedule in several computer software programs including keyboarding, data entry, 10-key, Window operating systems, MS Office (Word, Excel, Publisher, PowerPoint), and Internet/email. Course restricted to 98 repetitions

**CMPW NC011 Best Business Apps (0 Units)**
Hours: 8 (8 lecture)
Apps in today's business realm provide powerful and helpful tools for keeping track or handling of all of the information you accumulate in a day, including projects, research, emails, to-dos, and follow-ups. Learn to choose, install and sync apps with your different technology to help you become more successful and productive in the workplace. Course restricted to 98 repetitions

**CMPW NC012 How to Use Google Drive to Maximize Performance (0 Units)**
Hours: 16 (16 lecture)
Google Drive provides a powerful Cloud resource for organization of files for better efficiency, collaboration with coworkers, and promoting going paperless for meetings by linking important documents/e-mails to a working document for reference. Google Drive includes drive storage and the apps Docs, Sheets and Slides. Course restricted to 98 repetitions

**CMPW NC013 The Best Cloud Backup Options to Protect Data (0 Units)**
Hours: 8 (8 lecture)
Backing up to the Cloud provides a way to protect data from fire, theft and/or hardware failure, as well providing access to data whenever the Internet is available. Students learn to assess data needs, choose the best cloud backup option and create a backup plan. Course restricted to 98 repetitions

**CMPW NC014 Facebook for Business (0 Units)**
Hours: 8 (8 lecture)
Facebook is the most popular social network and a powerful tool for growing and promoting your business. Create effective profiles, pages, groups and ads. Establish goals and learn how and what to post to achieve them. Build relationships with current and new customers. Increase traffic to your website. Measure the success of your Facebook marketing. Course restricted to 98 repetitions

**CMPW NC015 Twitter for Business (0 Units)**
Hours: 8 (8 lecture)
Students learn to set up a Twitter business presence to leverage the power of real-time marketing, optimize and manage an account, and find and follow influencers and leads. Curriculum includes engaging with prospects using tweets, RTs, DMs follows, mentions and hashtags. Students use tools to monitor feeds and schedule tweets, in addition to tracking the impact and measure the results of promoted tweets. Course restricted to 98 repetitions

**CMPW NC016 Pinterest and Instagram for Business (0 Units)**
Hours: 8 (8 lecture)
Students learn to market and expand a brand using Pinterest and Instagram. Provides the basics and beyond of these platforms, including how to produce high level content and effectively use the sites in a marketing strategy to develop a loyal, enthusiastic customer base for their brand. Course restricted to 98 repetitions

**CMPW NC017 LinkedIn for Business (0 Units)**
Hours: 8 (8 lecture)
LinkedIn is the world's most popular business-oriented social media networking platform. Students learn to use LinkedIn to develop business through relationship marketing. Topics include optimizing a company profile, developing content that engages a target audience, building a professional brand, marketing a company, showcasing credentials, getting business advice, reconnecting with former colleagues and connecting with businesses around the globe. Course restricted to 98 repetitions

**CMPW NC018 YouTube for Business (0 Units)**
Hours: 8 (8 lecture)
Students learn to use YouTube to broadcast user and business-generated videos. Topics include creating a custom channel and building a following by uploading and sharing videos that communicate a brand and engage an audience. Students learn to view, upload, and share videos; create playlists and optimize videos for search engines; and add annotations, notes and links. Uploading and editing film for YouTube is also covered. Course restricted to 98 repetitions

**CMPW NC020 Computer Keyboard and Mouse Basics and Tips (0 Units)**
Hours: 10 (10 lecture)
This course gives students an orientation to the computer keyboard and mouse as well how to utilize mouse and keyboard shortcuts for better computer efficiency. Students learn the layout and function of special computer keys, learn how to properly hold the mouse, and practice using mouse as well as many tips for computer efficiency. No previous typing or computer experience required. Course restricted to 98 repetitions

**CMPW NC021 Learn to Type (0 Units)**
Hours: 12.5 (5 lecture, 7.5 lab)
Course teaches the correct finger and wrist placement and keyboard reaches for typing and texting. Students can brush up on keyboard skills, increase speed, and learn techniques and strategies to prevent carpal tunnel syndrome. Individualized instruction allows students to work at own pace. May be taught bilingually. Course restricted to 98 repetitions

**CMPW NC022 Computers for Beginners (0 Units)**
Hours: 12.5 (7.5 lecture, 5 lab)
This beginning course is designed for students with limited experience with computers. Students will learn to perform basic computer tasks, including how to turn a computer on and off correctly, send and receive e-mail, navigate the internet, open and save a file, and use computer terminology. Course may be taught bilingually. Course restricted to 98 repetitions

**CMPW NC023 Windows Basics (0 Units)**
Hours: 12.5 (9 lecture, 3.5 lab)
This class is a slow-paced introduction to the Windows Operating System. Students will explore Help, windows navigation and management, file management, desktop customization, and other Windows Operating System tools and applications. Course restricted to 98 repetitions

**CMPW NC024 Introduction to Windows (0 Units)**
Hours: 10 (6 lecture, 4 lab)
This class is an introduction to the Windows Operating System. Students will explore Help, windows navigation and management, file management, desktop customization, and other Windows Operating System tools and applications. Course restricted to 98 repetitions

**CMPW NC030 Introduction to the Macintosh (0 Units)**
Hours: 20 (12 lecture, 8 lab)
This class is designed for those with limited or no experience with computers. Students will learn basic functions of the computer, how to set it up, and how to perform simple tasks like typing a letter, browsing the web, and getting e-mail. Features an overview of the software that comes pre-installed on the Macintosh computer. Course restricted to 98 repetitions

**CMPW NC031 Introduction to Mac OS X Level 1 (0 Units)**
Hours: 20 (12 lecture, 8 lab)
Level 1 class covers the basics of Mac OS and some of its most popular programs. Students will learn how to make, name, and rename files and folders. Students will then see how to find lost files using Find and Spotlight. Class will examine the Sidebar and Dock and will cover some of the most basic and useful programs that come with OS including Safari, Address Book, and iCal. Course restricted to 98 repetitions

**CMPW NC032 Introduction to Mac OS X Level 2 (0 Units)**
Hours: 20 (12 lecture, 8 lab)
The Level 2 course will review some of the programs examined in Level 1 in more detail, then proceed with a more in-depth examination of Mac OS, including ways to customize the Mac. Students also examine more of the Mac OS programs as they integrate with Mail, iPhoto, and iMovie. May be taught bilingually. Course restricted to 98 repetitions

### CMPW NC035 Exploring Microsoft Office for the MAC (0 Units)
Hours: 25 (20 lecture, 5 lab)
This class will focus on Microsoft Office for the MAC. Students learn the basics and how the Office programs are designed to work as a single application. Topics will include: MS Word (word processing), Excel (spreadsheet) PowerPoint (multi-media/graphics/slides), and Outlook (mail/calendar/contacts). Working professionals, small business owners, and individuals interested in honing their software skills will receive hands-on instruction as they make decisions about the software program that will meet their needs. Course restricted to 98 repetitions

### CMPW NC036 Intro to iTunes, iPods, and iPads (0 Units)
Hours: 10 (6 lecture, 4 lab)
This course teaches students how to use MP3 players and hand-held computers, focusing on iPods, iPod Touch, and iPads. Students learn how to download music, videos, and podcasts to a computer and organize, play, and sync them to an iDevice. Topics include the applications available on iDevices, such as calendars, contacts, and games. Course restricted to 98 repetitions

### CMPW NC037 Living the iLife (0 Units)
Hours: 25 (15 lecture, 10 lab)
Students learn how to use Apple's iLife suite of programs-iPhoto, iMovie HD, iDVD, Garage Band, and iWeb-to produce and distribute creative ideas through words, pictures, music or video Course restricted to 98 repetitions

### CMPW NC040 Searching the Web (0 Units)
Hours: 10 (6 lecture, 4 lab)
This course defines the internet and teaches students how to search the Web and get the results they need. Students learn techniques and methods to narrow search results and troubleshoot difficult queries. Course restricted to 98 repetitions

### CMPW NC041 Email for Beginners (0 Units)
Hours: 10 (6 lecture, 4 lab)
This course provides a basic introduction to email. Topics include how email works and its uses, setting up an email account, reading and sending email, and dealing with attachments. Course restricted to 98 repetitions

### CMPW NC042 Optimizing Photos for the Internet and Email (0 Units)
Hours: 10 (6 lecture, 4 lab)
Students learn to manipulate photos for efficient e-mailing or uploading to the internet. Using Adobe Photoshop or other graphic editing software, students will crop, color-correct, apply text and effects, sharpen, resample, and save files in the appropriate formats for maximum quality and efficiency when emailing or posting to the internet. This class develops photo editing and basic internet skills for business or personal use. Course restricted to 98 repetitions

### CMPW NC050 MS Word Basics for Beginners (0 Units)
Course Advisories: Basic familiarity with computer keyboard layout.
Hours: 12.5 (12.5 lecture)
This slow-paced class provides a introduction to basic concepts and functions of Microsoft Word allowing students to become comfortable with the computer and editing techniques. Topics include the basics of creating, entering text, revising, formatting, previewing and printing of a document. Course restricted to 98 repetitions

### CMPW NC051 Introduction to MS Word (0 Units)
Same as: CMPW NC51A
Hours: 10 (6 lecture, 4 lab)
This class is an introduction to Microsoft Word functions for document creation including entering text, revising, formatting, previewing, and printing. Students will practice on a variety of documents. Course restricted to 98 repetitions

### CMPW NC055 Basic PowerPoint (0 Units)
Same as: CMPW NC55A
Hours: 10 (6 lecture, 4 lab)
Teaches students to turn facts, figures and photos into a creative display of slides, outlines, graphs and multimedia using Microsoft PowerPoint. Students learn the basics of presentation design and how to use templates, insert graphics, add animation, rehearse timings, and run and share a presentation. Course restricted to 98 repetitions

### CMPW NC058 Basic Outlook (0 Units)
Same as: CMPW NC58A
Hours: 10 (7 lecture, 3 lab)
This course provides a basic hands-on introduction to MS Outlook, Microsoft's Premier Email and Information Management Program. Students learn how to stay up to date at home or work by using Outlook to connect with colleagues, customers, family and friends. Topics include writing and searching email, organizing work tasks, and using the calendar to share information with others. Course restricted to 98 repetitions

### CMPW NC062 MS Excel Basics for Beginners (0 Units)
Course Advisories: Basic computer knowledge.
Hours: 12.5 (12.5 lecture)
Familiarity with PC or Mac and MS Word. Class provides a slow-paced introduction to basic concepts and functions of Microsoft Excel. Topics include the basics of creating a spreadsheet, using formulas and functions. Course restricted to 98 repetitions

### CMPW NC063 Introduction to MS Excel (0 Units)
Same as: CMPW NC63A
Hours: 10 (6 lecture, 4 lab)
This class is an introduction to basic concepts and characteristics of Microsoft Excel. Students explore various uses of spreadsheets. Topics covered include the basics of creating a spreadsheet, using formulas and functions, creating charts, and using the database feature in Microsoft Excel. Course restricted to 98 repetitions

### CMPW NC070 Introduction to Hand-held Devices (0 Units)
Same as: CNEW NC070
Hours: 10 (6 lecture, 4 lab)
This course teaches students the practical use of a variety of handheld computer devices including music players, e-Books, Smartphones, iPods, iTouch, and iPads. Students learn to use common PC and Mac applications to run devices and how to find tutorials or manuals, useful settings, and interesting add-ons for handheld devices. Information learned in this course will provide tips on how to use handheld devices effectively and observe protocol in decisions to use these devices in a work environment. Course restricted to 98 repetitions

### CMPW NC071 Tech Talk: What's New in Computers and Technology? (0 Units)
Hours: 25 (15 lecture, 10 lab)
This class examines the rapidly evolving technical world and its future. Students explore the many practical questions that arise as computers, cell phones, eBooks, social networks, email, the internet and other technology become more central to our daily lives. This course may be taught bilingually. Course restricted to 98 repetitions

**CMPW NC080 Setting Up A Blog (0 Units)**
Hours: 8 (8 lecture)
Blogging is of the most popular ways of communicating and spreading information and news. Learn to create, manage, and promote a blog. You will define the blog's goal, analyze the core audience, develop a sustainable plan for content creation, choose a platform and hosting option, design the blog and promote posts with social media. Course restricted to 98 repetitions

**CMPW NC081 Create Compelling Content (0 Units)**
Hours: 8 (8 lecture)
Explore how to create content that is relevant, valuable and engaging to your audience by analyzing their needs, wants and likes, discovering questions they are asking, and problems you can solve for them. Find your authentic voice to create text, design, images that are of shared value to your core audience. Course restricted to 98 repetitions

**CMPW NC51A MS Word 1 (0 Units)**
Same as: CMPW NC051
Course Advisories: Basic computer knowledge.
Hours: 10 (10 lecture)
Familiarity with PC or Mac. An introduction to Microsoft Word functions for document creation, including entering text, revising, formatting, previewing and printing. Students practice on a variety of documents. Course restricted to 98 repetitions

**CMPW NC51B MS Word 2 (0 Units)**
Course Advisories: Working knowledge of MS Word.
Hours: 10 (10 lecture)
Using Microsoft Word to create a novel, family history, dissertation, thesis, operations manual, or business and/or academic reports. Covers layout/structure features including applying styles; table of contents; outline view; page setup; choosing fonts; controlling line, paragraph and page breaks; and many more. Course restricted to 98 repetitions

**CMPW NC51C MS Word 3 (0 Units)**
Course Advisories: Working knowledge of MS Word.
Hours: 10 (10 lecture)
Covers creating, managing and formatting tables in Microsoft Word and using Microsoft Word mail merge to create letters, labels and envelopes. Course restricted to 98 repetitions

**CMPW NC55A MS PowerPoint 1 (0 Units)**
Same as: CMPW NC055
Course Advisories: Basic computer knowledge.
Hours: 10 (10 lecture)
Familiarity with PC or Mac, and MS Word. Teaches students to turn facts, figures and photos into a creative display of slides, outlines, graphs and multimedia using Microsoft PowerPoint. Students learn the basics of presentation design and how to use templates, insert graphics, add animation, rehearse timings, and run and share a presentation. Course restricted to 98 repetitions

**CMPW NC55B MS PowerPoint 2 (0 Units)**
Course Advisories: Working knowledge of PC or MAC and MS PowerPoint.
Hours: 10 (10 lecture)
Covers how to enhance an existing Microsoft PowerPoint presentation by modifying objects, animation and transitions. Other topics include inserting slides and templates from other presentations, creating and modifying templates, rehearsing timings and running a presentation, and sharing a presentation. Course restricted to 98 repetitions

**CMPW NC55C MS PowerPoint 3 (0 Units)**
Course Advisories: Working knowledge of PowerPoint.
Hours: 10 (10 lecture)
Covers integrating Microsoft PowerPoint with other programs and the World Wide Web, collaborating with a workgroup, and producing and delivering an on-screen slide show in class. Course restricted to 98 repetitions

**CMPW NC58A MS Outlook 1 (0 Units)**
Same as: CMPW NC058
Course Advisories: Some working knowledge of computers and MS Word.
Hours: 10 (10 lecture)
Provides a basic handsoon introduction to Microsoft Outlook, Microsoft's premier email and information management program. Students learn how to stay up-to-date at home or work by using Outlook to set up an account and connect with colleagues, customers, family and friends. Topics include how to use basic aspects of Outlook to do email, handle people (contact) lists, maintain a calendar and track tasks. Course restricted to 98 repetitions

**CMPW NC58B MS Outlook 2 (0 Units)**
Course Advisories: Working knowledge of Outlook basics.
Hours: 10 (10 lecture)
Covers many of the built-in tools of Microsoft Outlook to better manage email, contact, calendars, tasks and notes. Some of the topics include organizing email using folders; sorting and filters for better efficiency; importing and exporting contact lists; prioritizing, tracking and delegating tasks; and using notes. Course restricted to 98 repetitions

**CMPW NC58C MS Outlook 3 (0 Units)**
Course Advisories: Working knowledge of Outlook and Word.
Hours: 10 (10 lecture)
Covers many of the built-in tools of Microsoft Outlook to become more efficient with email, contacts, calendars, tasks and journal. Some of the topics include organizing with flags and categories, tips to quickly locate items, customize people (contact) using photos, linking and folders, using shared and multiple calendars, delegating tasks and tracking time with journal. Course restricted to 98 repetitions

**CMPW NC63A MS Excel 1 (0 Units)**
Same as: CMPW NC063
Course Advisories: Basic computer knowledge.
Hours: 10 (10 lecture)
Familiarity with PC or Mac, and MS Word. An introduction to basic concepts and characteristics of Microsoft Excel. Students explore various uses of spreadsheets. Topics covered include the basics of creating a spreadsheet, using formulas and functions, and creating charts. Course restricted to 98 repetitions

**CMPW NC63B MS Excel 2 (0 Units)**
Course Advisories: Working knowledge of MS Excel and MS Word.
Hours: 10 (10 lecture)
Excel topics include working with large and multiple worksheets and workbooks, managing lists, creating and managing tables and conditional formatting. Course restricted to 98 repetitions

**CMPW NC63C MS Excel 3 (0 Units)**
Course Advisories: Working knowledge of MS Excel.
Hours: 10 (10 lecture)
Advanced Microsoft Excel topics including defining advanced formulas, data validation, lookups, ways to transform data, custom views and macros. Course restricted to 98 repetitions

**CMPW NC73A MS Publisher 1 (0 Units)**
Course Advisories: Working knowledge of MS Word.
Hours: 10 (10 lecture)
An introduction to Microsoft Publisher. Topics include how to create a variety of desktop publishing documents including newsletters, greeting cards, business cards, postcards, brochures and flyers. Course restricted to 98 repetitions

**CMPW NC73B MS Publisher 2 (0 Units)**
Course Advisories: Working knowledge of MS Word.
Hours: 10 (10 lecture)
Covers many of the built-n tools of Microsoft Publisher to customize layouts, utilize master pages, create and modify templates, prepare publications for printing and save publication in shareable formats. Course restricted to 98 repetitions

**CMPW NC73C MS Publisher 3 (0 Units)**
Course Advisories: Working knowledge of Publisher and Word.
Hours: 10 (10 lecture)
Covers the design set feature of Microsoft Publisher that enables a cohesive group of publications to be created for marketing purposes, as well as the mail merge feature that allows for sharing publication more efficiently. Course restricted to 98 repetitions

**CMPW NC83A MS Access 1 (0 Units)**
Course Advisories: Working knowledge of Word and Excel.
Hours: 10 (10 lecture)
An introduction to Microsoft Access. Topics include how to navigate an existing database, create a database, manage records and run a simple query, and generate and adjust reports and forms. Course restricted to 98 repetitions

**CMPW NC83B MS Access 2: Tables/Queries (0 Units)**
Course Advisories: Working knowledge of Access Basics.
Hours: 10 (10 lecture)
Covers how to better improve the integrity of data by managing relational databases and using tables for referential integrity, creating data entry and data validation rules, and using complex queries. Course restricted to 98 repetitions

**CMPW NC83C MS Access 3: Forms/Reports (0 Units)**
Course Advisories: Working knowledge of Access Basics Covers how to analyze and share data using find, sort, and filter records in forms, create, modify and print reports.
Hours: 10 (10 lecture)
Other topics include advanced form features, advanced report features and how to utilize charts in forms and reports. Course restricted to 98 repetitions

# Computer Network (CNEW)

**CNEW NC070 Introduction to Handheld Devices (0 Units)**
Same as: CMPW NC070
Course Advisories: Working knowledge of computers.
Hours: 10 (6 lecture, 4 lab)
Teaches students the practical use of a variety of handheld computer devices including music players, e-Books, Smartphones, iPods, iTouch and iPads. Students learn to use common PC and Mac applications to run devices and how to find tutorials or manuals, useful settings and interesting add-ons for handheld devices. Information learned will provide tips on how to use handheld devices effectively and observe protocol in decisions to use these devices in a work environment. Course restricted to 98 repetitions

**CNEW NC071 Tech Talk: What's New in Computers and Technology? (0 Units)**
Course Advisories: Working knowledge of MAC or PC.
Hours: 25 (15 lecture, 10 lab)
Examines the rapidly evolving technical world and its future. Students explore the many practical questions that arise as computers, cell phones, eBooks, social networks, email, the internet and other technology become more central to our daily lives. May be taught bilingually. Course restricted to 98 repetitions

**CNEW NC102 Optimize and Upgrade Your PC (0 Units)**
Hours: 25 (20 lecture, 5 lab)
Learn hardware and software tools and strategies to improve the productivity and increase the efficiency of PC systems. Teaches how to optimize the PC's operation and how to upgrade memory, disk drives and other components at a reasonable cost to extend the life of a PC system or design and build an entirely new system. Topics also include how to rid a system of viruses and spyware and how to back up a system and valuable data. Course restricted to 98 repetitions

**CNEW NC103 Keeping a PC Hard Disk Clean and Organized (0 Units)**
Hours: 10 (8 lecture, 2 lab)
Students learn to organize, clean, and optimize a PC hard disk drive to maximize performance. Topics include techniques for file organization, program removal, garbage identification and the removal of malware, and basic maintenance. Course restricted to 98 repetitions

# Communication (COMW)

**COMW NC001 Building an Equity Mindset (0 Units)**
Hours: 170 (25 lecture)
Deepens understanding of an increasingly used word in our society: Equity. Through readings, videos and podcasts, the many hidden and misunderstood forms of inequity are explored so that people interested in addressing inequity can enter the conversation prepared with a solid foundation of knowledge. Course restricted to 98 repetitions

**COMW NC002 Applying an Equity Mindset (0 Units)**
Hours: 170 (25 lecture)
The second course in a two-part series on building and applying an equity mindset. Participants learn how they can actively engage in creating a more equitable and just society in both in their personal lives and workplaces by applying an anti-racism framework. Course restricted to 98 repetitions

# Construction Technology (CTV)

**CTV NC001 Construction Framing (0 Units)**
Hours: 12 (12 lecture)
This is a beginning course in residential construction framing (housebuilding). Take as a stand alone course or as part of a 4-course series of construction classes. (It is a good transition course to the credit Construction Technology program at SBCC.) Topics include the framing of floors, walls, ceilings, and roofs, and jobsite safety. Course restricted to 98 repetitions

**CTV NC002 Construction Finish Carpentry (0 Units)**
Hours: 12 (12 lecture)
This is a beginning course in residential construction finish carpentry (housebuilding). Take as a stand-alone course or as part of a 4-course series of construction classes. Topics include introduction to hand and power tool use, scope of residential finish work, base/case, crown, closets, doors. Course restricted to 98 repetitions

**CTV NC003 Construction Electrical (0 Units)**
Hours: 12 (12 lecture)
Beginning course in residential construction electrical work. Take as stand-alone course or as part of a 4-course series of construction classes. Topics include intro to home electrical systems, electrical and job-site safety, tool use and materials identification. Course restricted to 98 repetitions

**CTV NC004 Construction Plumbing (0 Units)**
Hours: 12 (12 lecture)
Beginning course in residential construction plumbing. Take as a stand-alone course or as part of a 4-course series of construction classes. Topics include intro to home plumbing systems and materials, working with piping, installing fixtures, and trouble shooting. Course restricted to 98 repetitions

**CTV NC011 Intermediate Construction Framing (0 Units)**
Hours: 12 (12 lecture)
An intermediate course in residential construction framing. Take as a stand-alone course or as part of a four-course series of construction classes. Offers more advanced topics in framing including rake walls, I-joists, roof trusses, horizontal openings, etc. Hands-on practice will use the typical tools of the trade. Course restricted to 98 repetitions

**CTV NC012 Intermediate Construction Finish Carpentry (0 Units)**
Hours: 12 (12 lecture)
An intermediate course in residential finish carpentry. Take as a stand-alone course or as part of a four-course series of non-credit construction classes. Offers more advanced topics in finish work including shelf design and install, cabinet install, and fireplace mantle trim. Course uses typical tools of the trade. Course restricted to 98 repetitions

**CTV NC013 Intermediate Construction Electrical (0 Units)**
Hours: 12 (12 lecture)
Intermediate course in constructional electrical work. Take as a stand-alone course or as part of a four-course series of construction classes. Offers more advanced topics in home electrical including circuit design, grounding issues, wire selection, etc. Course uses typical tools of the trade. Course restricted to 98 repetitions

**CTV NC014 Construction Measuring and Estimating (0 Units)**
Hours: 12 (12 lecture)
A beginning course in residential construction math. Take as a stand-alone course or as part of a four-course series of construction classes. Topics include working with common, decimal, and carpenter fractions; using a standard tape measure; estimating material; and using a construction calculator. Course restricted to 98 repetitions

**CTV NC021 Deconstruction and ReUse (0 Units)**
Hours: 15 (15 lecture)
An introduction to deconstructing buildings for material reuse. Technique, tools, safety, assessment and markets are covered. Course restricted to 98 repetitions

**CTV NC022 Repurposing and Refurbishing (0 Units)**
Hours: 15 (15 lecture)
Introduction to repurposing and refurbishing construction materials. Topics include creative re-design, commercial and residential application, marketing and materials processing. Course restricted to 98 repetitions

**CTV NC121 Blueprint Reading for Electricians (0 Units)**
Hours: 54 (54 lecture)
Students receive an overview of blueprints, plans and specifications. Participants learn symbols used in electrical-related trades; and prepare and use as-built drawings, wiring and line diagrams, schematics and ladder diagrams. (Approved School #138 for California Electrician Trainees.) Course restricted to 98 repetitions

**CTV NC132 Lighting Systems (0 Units)**
Hours: 54 (54 lecture)
Basic function, operation, installation and characteristics of various lighting systems. Course restricted to 98 repetitions

**CTV NC133 Motors, Motor Controllers and Process Controllers (0 Units)**
Hours: 54 (54 lecture)
Basic function, operation, installation and characteristics of various types of motors (AC, DC, Dual Voltage, Repulsion, Universal, 3-Phase, Squirrel Cage and Synchronous). Course restricted to 98 repetitions

**CTV NC134 Transformers (0 Units)**
Hours: 54 (54 lecture)
Basic function, operation, installation and characteristics of transformers. Course restricted to 98 repetitions

**CTV NC135 Grounding Systems (0 Units)**
Hours: 54 (54 lecture)
Basic function, operation, and characteristics of grounding systems. Course restricted to 98 repetitions

**CTV NC136 Electrical Theory (0 Units)**
Hours: 54 (54 lecture)
Basic electrical theory. Topics include ohms law, series/parallel circuits, voltage, magnetism, 3-phase systems, AC/DC theory, inductance and capacitance, etc. Course restricted to 98 repetitions

**CTV NC137 Specialty Systems (0 Units)**
Hours: 54 (54 lecture)
Basic function, operation and characteristics of specialty electrical systems. Topics include fire alarms, security alarms, voice/data signaling systems, lighting protection systems, fiber-optic systems, etc. Course restricted to 98 repetitions

**CTV NC153 Electrical Mathematics (0 Units)**
Hours: 54 (54 lecture)
Basic mathematics and its application to electrical and other technologies. Topics include arithmetic, common fractions, decimal fractions, percentages, graphs, measurements and introduction to algebra. (Approved School #138 for California Electrician Trainees.) Course restricted to 98 repetitions

**CTV NC194 Introduction to National Electrical Code (0 Units)**
Hours: 54 (54 lecture)
Layout and content of the National Electrical Code. Purpose, intent and scope of electrical codes, as well as utilization and application, include use of the Code for calculations and hazardous locations. Course restricted to 98 repetitions

**CTV NC196 Jobsite Management (0 Units)**
Hours: 54 (54 lecture)
Introduction to jobsite supervision in the construction industry. Includes industry organization, documentation and record-keeping, personal and financial management, as well as job planning and safety. (Approved School #138 for California Electrician Trainees). Course restricted to 98 repetitions

# Drafting (DRFW)

**DRFW NC001 Introduction to 3D Printing (0 Units)**
Hours: 16 (16 lecture)
Fundamental concepts of 3-D Printing. Topics include history of 3-D printing, present and potential developments, best practices and materials for additive manufacturing applications. Identifies sources for 3-D printing and software appropriate for rapid prototyping. Service and maintenance of 3-D printers. Course restricted to 98 repetitions

**DRFW NC002 Product Design & Prototyping Workshop (0 Units)**
Hours: 16 (16 lecture)
Overview of the Prototyping and Fabrication methods for Product Design. Students turn design concepts into digital objects and examine multiple product fabrication processes, through hands-on experience in the use of digital tools and visits to industry workshops. Tailored to expose students to selected software used for Product Design and Prototyping, with emphasis on 3D modeling with support for 3D printers and fabrication tools. Course restricted to 98 repetitions

# Environmental Horticulture (EHV)

**EHV NC001 Green Gardener: Module 1 (0 Units)**
Hours: 22.5 (13.5 lecture, 9 lab)
Attention landscapers, maintenance gardeners, property owners and managers. This course is designed for interested individuals who wish to develop knowledge and skills in order to pursue a career in sustainable landscaping. Participants will become certified after completing the course requirements and passing exams. Students who complete the course will benefit from discounts, free advertising, and promotion by the program sponsors. Expert guest lecturers will cover irrigation efficiency, green waste reduction, pest and fertilizer management and proper plant maintenance. Includes both classroom and fieldwork. Clients who hire Certified Green Gardeners will benefit from a resource-efficient landscape. Course restricted to 98 repetitions

**EHV NC002 Green Gardener: Module 2 (0 Units)**
Hours: 22.5 (13.5 lecture, 9 lab)
This class builds on the Green Gardener: Module 1 course, providing the landscape professional additional training in resource conservation, pollution prevention and sustainability. Course restricted to 98 repetitions

**EHV NC010 Ecological Landscape Design 1 (0 Units)**
Hours: 10 (10 lecture)
In this course students learn how to apply ecological and environmental principles to design regenerative landscapes. This course covers an introduction to the design method and process along with the basic hands-on ecological landscaping tools necessary to design, build and maintain a regenerative landscape. These tools and their practical application result in landscapes that are locally sustainable, require reduced inputs and lower costs. The successful student receives an entry level ecological landscape certificate granted by the State of California. Course restricted to 98 repetitions

**EHV NC011 Ecological Landscape Design 2 (0 Units)**
Hours: 10 (10 lecture)
Imagine if your career and the work that you do in the world, was providing benefits to soil, water, wildlife, humans and repairing whole ecosystems. What if you could actually be paid to restore the planet in real and tangible ways? Ecological landscaping is the design, implementation, and management of landscape systems, which regenerate ecological processes while integrating the basic needs of humans. In this course you will learn how to apply ecological and environmental principles to design regenerative landscapes that are locally sustainable, require reduced inputs and lower costs. Enjoy a balance of hands-on learning, interactive slides, expert guest presenters, group work and local site visits. This course will give you the fundamentals in getting you started in the profession of ecological landscaping. The successful student receives an entry level ecological landscape certificate granted by the State of California. Come learn how ecological landscape design can positively transform daily living and the environment. Course restricted to 98 repetitions

**EHV NC104 Advanced Green Gardener (0 Units)**
Hours: 90 (36 lecture, 54 lab)
Recommended to be taken after completion of Green Gardener Course Modules 1 and 2, as it builds on same topics with greater detail and including a lab component with hands-on experience in sustainable landscape care. Course restricted to 98 repetitions

**EHV NC105 Green Gardener Recertification (0 Units)**
Hours: 8 (8 lecture)
Provides students who have received certification from the Green Gardener Modules 1 and 2 a way to maintain active status on public listings that promote Green Gardeners to the general public. Also offers a review of past and up to date additional information for students who wish to keep current with the latest emerging techniques, laws and technology in the sustainable landscaping field. Course restricted to 98 repetitions

**EHV NC207 Small Scale Food Production 1 (0 Units)**
Hours: 12 (12 lecture)
Explores the natural and sustainable techniques and skills used to produce healthy organic produce in the home landscape. Soil development, composting, mulching, suitable vegetables, fruit trees and herb cultivation covered. Course restricted to 98 repetitions

**EHV NC208 Small Scale Food Production 2 (0 Units)**
Hours: 12 (12 lecture)
Demonstrates the natural and sustainable techniques and skills used to produce healthy organic produce in the home landscape. Soil development, composting, mulching, suitable vegetables, fruit trees and herb cultivation covered. Course restricted to 98 repetitions

# Emergency Medical Tech (EMTV)

### EMTV NC111 Emergency Medical Technician-Basic: Recertification (0 Units)
Limitations on Enrollment: Health and Safety regulations.
Hours: 24 (12 lecture, 12 lab)
Current CPR certificate for the Health Care Provider or the professional rescuer. Designated for EMT re-certification. Provides updated cognitive knowledge and refreshed psychomotor skills for Emergency Medical Technicians (EMTs) in the treatment of emergency/acute injury and illness. Upon completion, students receive 24 hours of California and National Registry mandated continuing education credits and a completed California required EMT Skills Verification form. This meets the two-year renewal requirements for the California EMT. Course restricted to 98 repetitions

### EMTV NC112 EMT Psychomotor Skills Lab (0 Units)
Hours: 64 (64 lab)
Offers practice sessions designed to enhance the EMT student's practical skill abilities. Open to current EMT students and EMT refresher students. Course restricted to 98 repetitions

# Graphic Design (GDPW)

### GDPW NC001 Digital Design Techniques (0 Units)
Hours: 25 (15 lecture, 10 lab)
Students learn how to create flyers, brochures, logos, and more using Illustrator, Photoshop, and InDesign programs from the Adobe CS suite. Class will examine how the programs work together to seamlessly combine photos, graphics, and page layouts to produce high quality products. Students complete class assignments to practice and demonstrate the skills required to design and complete a professional project. This course may be taught bilingually. Course restricted to 98 repetitions

### GDPW NC005 Photoshop Overview (0 Units)
Hours: 10 (6 lecture, 4 lab)
This introductory course offers an overview of Photoshop tools and functionality to discover the creative potential of image editing. Students will become familiar with the Photoshop window, tools, and main menu bar. The class will cover opening and saving files, image com-positing and collage, selections, layers and image correction. Course restricted to 98 repetitions

### GDPW NC010 Introduction to Adobe Illustrator (0 Units)
Hours: 25 (15 lecture, 10 lab)
Introduction to the basics of Adobe Illustrator, a powerful graphic design and illustration program and an essential tool for any design project. Students learn how to create illustrations, logos, and more using Illustrator from the Adobe CS suite. Students complete class assignments to practice and demonstrate the skills required to design and complete a professional project. Course restricted to 98 repetitions

### GDPW NC015 Fundamentals of Graphics (Bilingual) (0 Units)
Hours: 48 (48 lecture)
This bilingual course introduces the student to the basic operation of Adobe Photoshop, MS Publisher, and other graphic applications. Students develop the skills to work efficiently in these programs through a series of projects. Course restricted to 98 repetitions

### GDPW NC021 Learn Adobe Acrobat Tools (0 Units)
Hours: 8 (8 lecture)
We download PDFs from the web and share them as emails. What are they, and how can they make our lives easier? This course demonstrates the basics of working with PDFs using Adobe Acrobat Professional to create, combine, edit, export, review, annotate, and comment, as well as how to share with others. Course restricted to 98 repetitions

### GDPW NC022 Apply Adobe Acrobat Tools (0 Units)
Course Advisories: Complete GDPW NC021 - Learn Adobe Acrobat Tools.
Hours: 8 (8 lecture)
Streamline your workflow and eliminate paper as you gain additional skills with Adobe Acrobat Professional. This course demonstrates the use of PDFs to convert paper documents into digital archives, combine documents from various applications into one cohesive file or portfolio, add interactivity to manuals and newsletters, and create interactive forms for easy data collection. Course restricted to 98 repetitions

### GDPW NC031 Information Design for Print (0 Units)
Hours: 8 (8 lecture)
As technology enables the collection of an increasing and greater amount of data, today's designer is challenged to help make insights possible through the graphical presentation of this information. This course serves as an introduction to the foundation of information design and the creation of static visualizations for print distribution. Students will learn to tell stories visually with data through the understanding of data types, graphic design principles, and current software tools. Course restricted to 98 repetitions

### GDPW NC032 Interactive Information Design for Screen (0 Units)
Hours: 8 (8 lecture)
This course explores the power and potential of coding for creating interactive designs. Beginning with a strong foundation in basic coding structures, students will quickly see visual results as they read, map, and illustrate information. The introduction of interactivity will allow students to create additional dimensions and layers of meaning by providing users methods to investigate and interact with data in new and novel ways. Course restricted to 98 repetitions

### GDPW NC041 Producing a Digital Newsletter (0 Units)
Hours: 8 (8 lecture)
Focuses on formatting a newsletter for print and digital platforms. Students will be given guidance while laying out an actual publication of their own choosing or will be given a prototype to produce. Course restricted to 98 repetitions

### GDPW NC042 Producing a Digital Magazine (0 Units)
Hours: 8 (8 lecture)
Focuses on basic techniques of formatting a magazine cover and interior master pages for print or digital platforms. Guidance on tools are given while applying skills to a real-time project. Course restricted to 98 repetitions

### GDPW NC051 Save a Tree, Go Paperless! (0 Units)
Hours: 8 (8 lab)
Students will learn about pixels, the building blocks for digital images, and how they relate to image size and resolution. Demonstrate how the "intent" (print, web, digital documents) determines the size and resolution. Additionally students will learn how to use Photoshop to perform basic photo editing and re-touching. Course restricted to 98 repetitions

**GDPW NC052 Preparing Digital Images (0 Units)**
Hours: 8 (8 lecture)
Students will learn about pixels, the building blocks for digital images, and how they relate to image size and resolution. Demonstrate how the "intent" (print, web, digital documents) determines the size and resolution. Additionally students will learn how to use Photoshop to perform basic photo editing and re-touching. Course restricted to 98 repetitions

# International Business (IBW)

**IBW NC001 Domestic and Global Issues in Employment Law (0 Units)**
Hours: 8 (8 lecture)
Contemporary issues in U.S. and global employment law will be examined and discussed. The focus will cover regulations and legal issues faced in the workplace including sexual harassment and discrimination claims, whistle-blowing, immigration, legal procedures for filing EEO claims, alternatives to litigation, along with employer defense options. Course restricted to 98 repetitions

**IBW NC002 Interviewing and Hiring in the Global Marketplace (0 Units)**
Hours: 8 (8 lecture)
Global marketplace techniques and trends in recruitment, investigation, interviewing, and hiring in physical and digital space. Students will learn tools for effective hiring supervision. Course restricted to 98 repetitions

**IBW NC003 Evaluating and Monitoring Performance of Your Global Team (0 Units)**
Hours: 8 (8 lecture)
Global organizations measure success by having great relationships with employees. This course is designed to measure which employees understand, communicate and respond to the legal and ethical organizational values and performance standards. Course restricted to 98 repetitions

# Library (LIBW)

**LIBW NC001 Online Research Skills (0 Units)**
Hours: 8 (8 lecture)
Recommended Abilities: Basic Computer knowledge. Need help finding quality information on the Internet without wasting time? This course teaches advanced Internet search skills to yield relevant, credible sources, Guided by a college librarian, students will locate, evaluate, and organize information sources to create a research pathfinder that will inform others and demonstrate their research expertise. Course restricted to 98 repetitions

**LIBW NC002 Presenting Research with Infographics (0 Units)**
Hours: 8 (8 lecture)
Recommended Abilities: Basic Computer knowledge. Need to present information in a concise memorable, cutting-edge format? This course teaches data visualization to communicate information clearly and efficiently. Guided by a college librarian, students will locate, evaluate, and organize information to create infographics that will inform others and demonstrate their research experience. Course restricted to 98 repetitions

# Multimedia (MATW)

**MATW NC001 Introduction to Dreamweaver (0 Units)**
Hours: 25 (15 lecture, 10 lab)
Students learn to create a professional Web site using HTML and CSS cascading style sheets. Basic knowledge of PC or Mac and internet navigation skills recommended. Course restricted to 98 repetitions

**MATW NC002 Windows Video Editing Fundamentals (Bilingual) (0 Units)**
Hours: 54 (54 lecture)
This bilingual course promotes the basic understanding of Windows Photos as a multimedia application. Designed to assist beginning students in creating movies using pictures and videos. Students are offered an overview of the tools, text editing functions, transitions, audio, effects, graphics insertion and title application. Course restricted to 98 repetitions

**MATW NC003 Photoshop (0 Units)**
Hours: 25 (15 lecture, 10 lab)
Students learn Photoshop for the PC and Mac, the premiere visual editing software package that enables combination of images, retouching photos, and the creation of digital artwork. Presents a solid foundation in basic tools and techniques for creating, enhancing, and collaging images. Students will practice new skills in a lab setting and master the fundamentals of digital imaging. This course may be taught bilingually. Course restricted to 98 repetitions

**MATW NC004 Fundamentals of Photoshop (Bilingual) (0 Units)**
Hours: 54 (54 lecture, 0 lab)
This bilingual course introduces the student to the basic operation of Adobe Photoshop. Through a series of projects students will develop the skills that are needed to work efficiently in Photoshop. Course restricted to 98 repetitions

**MATW NC005 Photoshop for Web Design (0 Units)**
Hours: 16 (16 lecture)
This course provides students with basic tools and techniques in Photoshop that lie behind great images and graphics in web design. This includes the fundamental concepts and techniques for working with type in Photoshop. Learn to create UI elements, web graphics, wireframes, and functional mockups that transition beautifully and easily to production with Photoshop. While learning how to incorporate principles of design such as contrast, unity, and balance in specific ways that improve your website. Course restricted to 98 repetitions

**MATW NC006 Web Coding Fundamentals (0 Units)**
Hours: 16 (16 lecture)
Learn how to write HTML, the programming language that powers the web. Gain an understanding of HTML5, and to use HTML5 structural tags and semantic markup. Learn how to turn a design created in Photoshop into a fully functioning website in Dreamweaver. Combine tools in Dreamweaver with CSS to create compelling, easy-to-update web pages. Learn how to use jQuery to add web form usability, audio and video, animation, and other features like slideshow galleries to your HTML and CSS webpages. Course restricted to 98 repetitions

**MATW NC007 Responsive Web Design (0 Units)**
Hours: 16 (16 lecture)
Discover how to structure your website content to create a user experience that embodies utility, ease of use, and efficiency. Learn how to design your website to be more readable and efficient on multiple devices using responsive website techniques. Learn how to use Dreamweaver's Fluid Grid Layout framework and media queries to create a responsive website design. Learn how to collaborate more effectively and efficiently with clients and colleagues. Course restricted to 98 repetitions

**MATW NC009 Adobe Illustrator Overview (0 Units)**
Course Advisories: Working knowledge of MAC or PC.
Hours: 8 (8 lecture)
Students work with Illustrator basic techniques to create and edit vector imagery. Topics include working with paths, working with layers, working with shapes, working with type, creating color libraries, and manipulating objects. Students will also learn how to set document parameters, convert bitmap images to vector, and how to create illustrative type. Course restricted to 98 repetitions

**MATW NC010 Lightroom Essentials (0 Units)**
Hours: 8 (8 lecture)
Students will learn the basics of the Lightroom software, learning to both manage libraries of files, and to increase the quality of their photos and videos using editing techniques. The first component of the course focuses on the library module of the program, with an emphasis on importing and organizing photos, surveying images, and using the interface. The second component of the course introduces the develop module, which allows students to edit files both individually and in groups. Course restricted to 98 repetitions

**MATW NC011 Fundamentals of Web Design (Bilingual) (0 Units)**
Hours: 48 (48 lecture)
This introductory bilingual course is designed to offer basic web page creation techniques. Students acquire essential skills, methods, and techniques related to basic web page design. Students learn the "What You See Is What You Get" (WYSIWYG) method of web creation and are given an overview of the tools, options, menus, palettes, file formats, system requirements, internet infrastructure and purchasing of a domain. Course restricted to 98 repetitions

# Marketing (MKTW)

**MKTW NC001 Marketing Fundamentals (0 Units)**
Hours: 8 (8 lecture)
Effective marketing includes the creation and maintenance of sustained product brand awareness. Helps students understand the importance of marketing for organizational profitability. Students address promotional strategies and use marketing tools such as public relations, advertising, relationship selling and social media. Students learn to use communication tools for growth and customer retention, the importance of relationship-building, and discovering tools for cementing long-term relationships to gain a lifetime value in every customer. Course restricted to 98 repetitions

**MKTW NC002 Business Branding (0 Units)**
Hours: 8 (8 lecture)
Learn to produce a universal brand via social media and develop an understanding of the relationship between sellers and buyers. Identify and implement branding strategies that respond to existing needs and wants of customers. Use of social media is explored as integral in building a brand. Students research and review digital data from social media websites (such as LinkedIn, Twitter, and Facebook) in order to analyze the relationships between sellers and buyers in the digital world, and to understand value creation. Course restricted to 98 repetitions

**MKTW NC003 Market Positioning (0 Units)**
Hours: 8 (8 lecture)
Business success begins with responding to target markets by positioning the products in the minds of customers. This is done with a thorough knowledge of customer demographics, psychographics and geographic information. Successful marketing messaging requires perceptional knowledge of targeted customers. Positioning strategies focus on the right mix of people with relevant benefits and features offered by businesses. Course restricted to 98 repetitions

**MKTW NC004 Digital and Mobile Marketing (0 Units)**
Hours: 8 (8 lecture)
Mobile marketing encompasses global exchange activities on devices such as smartphones, tablets and various others. Modern businesses today look for customer-based profitability and investment solutions using mobile devices. These devices attract, engage, acquire, and retain local and international customers. Mobile communication offers real-time solutions via gathering data, insights, and content in the marketplace. Course restricted to 98 repetitions

**MKTW NC005 B2B and B2C Marketing (0 Units)**
Hours: 8 (8 lecture)
Focuses on communication techniques used to raise customer awareness and interest. Students learn to identify the mediums that will be most effective for a particular target market. Both business-to-consumer and business-to-business strategies are covered. These techniques will help students succeed in various careers such as sales, public relations, copywriting and other marketing positions. Course restricted to 98 repetitions

**MKTW NC006 Market Research (0 Units)**
Hours: 8 (8 lecture)
Focuses on the research, planning, execution and evaluation of a marketing campaign. Examines the specific activities used to promote products, services and businesses. Multimedia marketing campaigns are covered. Explores how companies use marketing campaigns to reinforce branding and positioning. Course restricted to 98 repetitions

**MKTW NC007 Self-Management and Development (0 Units)**
Hours: 16 (16 lecture)
Focuses on self-management skills that encourage behavior that results in the achievement of personal and professional goals. These can include activities that improve awareness and identity, develop talents and potential, build human capital, and facilitate employability, enhance quality of life, and contribute to the realization of dreams and aspirations. Course restricted to 98 repetitions

**MKTW NC008 Marketing and Entrepreneurship (0 Units)**
Hours: 8 (8 lecture)
Marketing plays a critical role in the entrepreneurial process. Students learn to recognize startups' business models and their unique problems and opportunities in order to develop the optimal marketing strategy for products and services in a digital-first era. Apart from the marketing mix, the course will also focus on the strategies and tactics used by new venture companies to acquire customers by utilizing outbound, inbound, or social and traditional media marketing. Course restricted to 98 repetitions

**MKTW NC009 Marketing and Growth Strategies (0 Units)**
Hours: 8 (8 lecture)
Getting customers isn't enough. The branding and marketing effort that accelerates the business ahead of the competition is the ultimate goal of all new ventures. These tactics involve implementing a growth mindset by deploying innovative strategies and value-added processes to create enhanced customer experiences that drive engagement, retention, and ultimately long-term growth. It will focus on concepts and implementation skills to assist current or potential entrepreneurs to develop and grow a business now or in the future. Course restricted to 98 repetitions

# Personal Development (PDW)

**PDW NC001 Personalized Career Planning (0 Units)**
Hours: 8 (8 lecture)
This course focuses on the assessment of individuals strengths, interests, values, personality and abilities in the context of career and education planning. Students will improve decision making skills by exploring their own decision making styles and applying specific decision making models to their career planning process. Course restricted to 98 repetitions

**PDW NC002 Strategic Job Search (0 Units)**
Hours: 8 (8 lecture)
This class is designed to help students develop and implement a strategic career and job search plan. Students will learn about sources of occupational information and how to utilize this information in the career planning and job search process. Course restricted to 98 repetitions

# Photography (PHOW)

**PHOW NC001 Digital Cameras, Digital Photos (0 Units)**
Hours: 10 (6 lecture, 4 lab)
Students learn the basics of photography, the features of digital cameras, how to take better digital photos, and how to correct common photo problems using photo editing software. Designed for beginners or students with some experience in digital photography. Students should bring cameras and sample pictures to class. Course restricted to 98 repetitions

**PHOW NC002 Photoshop for Digital Photographers (0 Units)**
Hours: 25 (15 lecture, 10 lab)
This class focuses on the capabilities of Photoshop for the PC and Mac, including advanced layering, composition, and retouching techniques. Students learn shortcuts to increase productivity and engage in repeated practice in a lab setting to reinforce concepts presented through lecture and demonstration. Familiarity with Photoshop on the PC or Macintosh recommended. This course may be taught bilingually. Course restricted to 98 repetitions

**PHOW NC003 Lightroom Classic 1 (0 Units)**
Hours: 16 (16 lecture)
Students learn to use the Adobe Lightroom Classic library module. Focuses on learning the necessary tools to catalog, file name, organize and backup photographic files. Students master importing into a catalog from camera, existing computer image files as well as from scanned prints and negatives. Course restricted to 98 repetitions

**PHOW NC004 Lightroom Classic 2 (0 Units)**
Hours: 16 (16 lecture)
Students learn to use the Adobe Lightroom Classic develop module and process and develop photographic files. Skills covered include cropping, color correcting, enhancing and exporting image files for various final uses. Focuses on learning the necessary tools to develop digital photographic files. Course restricted to 98 repetitions

**PHOW NC005 Lightroom Classic 3 (0 Units)**
Hours: 16 (16 lecture)
Students learn to use the Adobe Lightroom Classic Map, Slideshow, Book and Print Modules. Participants learn to print, create a slideshow and design a book with their photographic files. Course restricted to 98 repetitions

**PHOW NC006 Editorial Photography (0 Units)**
Hours: 16 (16 lecture)
Create photo essays on specific editorial subjects for magazines, books, blogs and company newsletters. Student focus will be on photographing architecture, food, location, nature, events and people. All will be covered with an emphasis on the storyline specific to each genre. Refining editing and image processing skills will be emphasized for each subject. By the end of this class, students will learn the skills to produce dynamic photo stories on a wide range of topics. Course restricted to 98 repetitions

# Professional Development (PROW)

**PROW NC002 Business Writing in a Technological World (0 Units)**
Hours: 44 (8 lecture)
In this course students will develop effective and professional business writing skills using business tone, organization and formatting, word choice and persuasion. Matching the delivery channel (email, letter, memo or text) to the message type and situation will be covered, as well as the best methods to deliver bad news. Course restricted to 98 repetitions

**PROW NC003 Time Management (0 Units)**
Hours: 44 (8 lecture)
Participants explore time management strategies and tools for effectively managing expanding workloads, shifting priorities, and increasing demands. Practice prioritizing "Important" versus "Urgent" activities. Emphasis on analyzing current use of time, identifying organizational goals, roles and priorities, discovering gaps to achieving goals and apply time management tools to the gaps for completing important priorities first. Course restricted to 98 repetitions

**PROW NC004 Workplace Communication Strategies (0 Units)**
Hours: 8 (8 lecture)
Participants assess and optimize current workplace communication skills. Differentiate content, emotions, perceptions and intentions in a communication exchange. Build an advanced communication toolkit to forward your career. Illustrate clear and congruent verbal and nonverbal messages tailored to the personalities involved, the desired outcomes, and the context. Course restricted to 98 repetitions

**PROW NC005 Critical Thinking, Problem Solving and Decision Making (0 Units)**
Hours: 44 (8 lecture)
In todays' workplace it is everyone's job to a solve problems and make decisions. Analytical thinking, decision making and problem solving involve breaking things down into their component parts, applying deductive reasoning and then applying judgment and insight. Learn hands-on techniques to generate breakthrough ideas, make decisions, and solve your most pressing problems. All by asking the right questions, challenging assumptions, and seeing others' viewpoints with clarity. Course restricted to 98 repetitions

**PROW NC006 Leadership Skills (0 Units)**
Hours: 8 (8 lecture)
Take your leadership from good to great by exploring and applying the top ten skills that every leader must have. Course restricted to 98 repetitions

**PROW NC010 Project Management for Non Project Managers (0 Units)**
Hours: 8 (8 lecture)
This course is for anyone who wants to know how to manage tasks or small projects with a structured approach to ensure success. Apply the basic principles of project management to your work and create action plans for on-the-job application. Utilize strategies for communicating with team members and stakeholders with confidence. Course restricted to 98 repetitions

**PROW NC011 Process Improvement (0 Units)**
Hours: 8 (8 lecture)
Process improvement assessment methods and techniques to increase efficiency, improve quality and increase employee satisfaction and motivation. Course restricted to 98 repetitions

**PROW NC012 Supervisory Skills (0 Units)**
Hours: 8 (8 lecture)
Learn the key tools for effective management and supervision. Course covers delegation, feedback, communicating with employees, motivation and management styles. Course restricted to 98 repetitions

**PROW NC013 Emotional Intelligence in the Workplace (0 Units)**
Hours: 8 (8 lecture)
Emotional Intelligence (EI) is vital to being an effective and high-performing employee, supervisor and leader. Explore the EI competencies: self awareness, social awareness, self management and relationship management. Learn and apply the tools and techniques for mastering each domain. Create strategies using the EI framework which can optimize your professional performance and working relationships. Course restricted to 98 repetitions

**PROW NC014 Motivating Yourself and Others (0 Units)**
Hours: 8 (8 lecture)
Individuals and leaders who want to explore the key ingredients for strengthening workplace commitment, engagement, and career satisfaction. Apply alternative reward and recognition strategies to increase engagement in the workplace. Course restricted to 98 repetitions

**PROW NC015 Building High Performance Teams (0 Units)**
Hours: 8 (8 lecture)
Participants explore and apply key team building skills for working within a team or leading one. Learn to influence a high performing team. Emphasis on stages of team development, team roles, supportive communication climate, meeting strategies and tools for first rate problem solving and decision making. Practical application within a team structure is emphasized. Course restricted to 98 repetitions

**PROW NC017 Change is the New Constant (0 Units)**
Hours: 8 (8 lecture)
Develop and apply change management techniques based on contemporary change models and change lifecycle stages and utilizing change management communication skills. Course restricted to 98 repetitions

**PROW NC019 Personality Styles and Difficult Relationships (0 Units)**
Hours: 44 (8 lecture)
Exploration of participants' own behaviors and personality styles, while learning to adapt one's behavior to be effective with other personality styles in a variety of work situations. Emphasis is placed on dealing with difficult relationships and communicating in a way that matches the needs of all involved to achieve relationship satisfaction and organizational objectives. Course restricted to 98 repetitions

**PROW NC021 Coaching Skills (0 Units)**
Hours: 8 (8 lecture)
Coaching employees improves performance outcomes, helps turn around problem situations, and increases an employee's overall enthusiasm and motivation. Learn coaching techniques to solve workplace problems and energize employees and how to best apply these techniques to close the gap between actual and desired performance. Course restricted to 98 repetitions

**PROW NC025 Resolving Differences in the Workplace (0 Units)**
Hours: 8 (8 lecture)
Learn collaboration skills to build high-trust relationships. Practice communication techniques at each stage of the conflict cycle to get to win-win. Discover your interpersonal communication strengths. Assess your conflict style and understand others. Practice problem solving with multiple parties and decision makers to create long-term peace. Skills include nonverbal communication, empathy, listening and paraphrasing. Course restricted to 98 repetitions

**PROW NC028 Championing Diversity in the Workplace (0 Units)**
Hours: 8 (8 lecture)
Explores diversity within organizations and increases one's awareness of different attitudes, beliefs, lifestyles, sexual preferences, and values that we all bring to work with us. Understand how these affect our behavior and perceptions. Focus on self awareness and the impact these have on our co-workers. Develop strategies for equity in the workplace. Course restricted to 98 repetitions

**PROW NC032 Difficult Conversations (0 Units)**
Hours: 8 (8 lecture)
Develop techniques for difficult conversations based on intentions, optimal outcome and assumptions. Craft and deliver scripts customized to the scenario and personality styles involved. Course restricted to 98 repetitions

**PROW NC033 Successfully Managing and Developing People (0 Units)**
Hours: 16 (16 lecture)
Learn and apply the communication, delegation and motivational skills needed to be an effective manager or supervisory. Course restricted to 98 repetitions

**PROW NC035 Workplace Politics (0 Units)**
Hours: 8 (8 lecture)
Learn constructive political behavior to create more win-win situations, unblock barriers to change, create greater "buy-in" on key projects, develop cohesion and improve decision making. Course restricted to 98 repetitions

**PROW NC036 The Art of Negotiating and Collaborating (0 Units)**
Hours: 44 (8 lecture)
Participants apply collaboration tools for building high-trust synergistic relationships Analyze the conflict cycle and practice skills to diffuse conflict at each stage for mutual benefit. Assess one's strengths and utilize tools to facilitate and adapt to others styles. Skills include re-framing, neutralizing language, discovering of interests, and leveraging innovative solutions through a collaborative negotiation process. Course restricted to 98 repetitions

**PROW NC038 Increasing Productivity (0 Units)**
Hours: 8 (8 lecture)
Personal productivity results from a combination of factors which all impact each other. Explore, dissect and analyze these factors to develop an individualized plan optimizing your effectiveness in both your professional and personal lives. Focus on personal empowerment and growth while weaving neuroscience theory to help you anchor the learning and understand brain function better. Course restricted to 98 repetitions

**PROW NC039 Innovation and Creativity (0 Units)**
Hours: 8 (8 lecture)
How to create and innovate workplace culture and learn techniques to promote workplace creativity. Course restricted to 98 repetitions

**PROW NC044 Assertive Communication (0 Units)**
Hours: 8 (8 lecture)
Discover techniques on how to be an assertive communicator, acquire ways to handle receiving and giving feedback and address business etiquette when professionalism and assertiveness are required. You'll assess your areas of strength and growth in this critical skill and understand how social styles affect assertive behaviors.. Enhance your assertiveness skills for immediate on-the-job use! Course restricted to 98 repetitions

**PROW NC050 Best Practices in Customer Service (0 Units)**
Hours: 44 (8 lecture)
Apply practical strategies to retain a valuable customer base, diffuse difficult situations and earn repeat business. Topics include the anatomy of a complaint, regulating verbal and nonverbal responses, active listening skills, creative problem solving, customer perceptions and expectations, adapting to different conflict styles, and steps to defuse angry customers. Course restricted to 98 repetitions

**PROW NC051 Secrets of a Great Employee (0 Units)**
Hours: 8 (8 lecture)
Discover the secrets that make you an irreplaceable employee. Build your advanced employee toolkit, challenge old habits and foster new strategies. Based on success stories from others and their insight on where they went wrong, let's fuel your spirit and recession proof yourself with a renewed appreciation for professional effectiveness, satisfaction and success. Course restricted to 98 repetitions

**PROW NC056 Closing Techniques That Win the Sale (0 Units)**
Skills Advisories: Eligibility for ENG 098 and Eligibility for ENG 103.
Hours: 8 (8 lecture)
In any selling situation obstacles have to be overcome before a buying decision is reached. Learn to resolve objection effectively through a process that involves careful listening along with positive factual responses to buyer concerns. Learn techniques to address customers' emotional needs, get past the obstacles preventing them from buying, and build long-term customer relationships. Course restricted to 98 repetitions

**PROW NC057 Winning Sales Scripts (0 Units)**
Skills Advisories: Eligibility for ENG 098 and Eligibility for ENG 103.
Hours: 8 (8 lecture)
Identify the key roles in the sales process and develop a script based sales strategy. Write and deliver face-to-face, voicemail and email sales messages to open and close sales transactions. Course restricted to 98 repetitions

**PROW NC064 Accountability (0 Units)**
Hours: 8 (8 lecture)
Learn the skills needed to truly manage your own destination and performance in the workplace by becoming proactive and accountable. Course restricted to 98 repetitions

**PROW NC067 High Impact Presentations and Proposals for the Work Place (0 Units)**
Hours: 8 (8 lecture)
Explore and apply advanced presentation formatting, persuasion and delivery techniques needed in today's workforce. Practice tools to pitch your ideas, sell yourself in an interview, and structure presentations for clarity, brevity and impact. Influence others using verbal and nonverbal strategies. Emphasis on situational and audience analysis, persuasion, structure and delivery in workplace situations. Course restricted to 98 repetitions

**PROW NC068 Professional Etiquette (0 Units)**
Hours: 8 (8 lecture)
Learn the behavior, communication and appearance needed for the professionalism to thrive and survive in the workplace. Course restricted to 98 repetitions

**PROW NC070 Teaching with Humanizing Technology I (0 Units)**
Hours: 65 (16 lecture)
A two-week course taught in Canvas that examines why and how to "humanize" online learning as well as the electronic components of our on-campus classes. Students are encouraged to step outside their comfort zones in a supportive, experimental learning environment, to create content with tools that infuse learning with their individual "presence." When students relate to an online instructor as something more than a subject matter expert and begin to conceive of themselves as part of a larger community, they are more likely to be motivated, satisfied with their learning and achieve course objectives. Course restricted to 98 repetitions

**PROW NC071 Teaching with Humanizing Technology II (0 Units)**
Hours: 65.5 (16 lecture)
A two-week course taught in Canvas that examines strategies to integrate learners' voices, engage them in the active construction of knowledge, foster emotional connection and provide students with a choice of authentic assessments. Provides students hands-on experience with emerging technologies. Course restricted to 98 repetitions

**PROW NC080 Creating a Life of Purpose for Workplace Success (0 Units)**
Hours: 28 (8 lecture)
Focuses on the integral role that purpose plays in our lives - both professionally and personally - and how to discover, optimize, and align life purpose with employment for optimal health, happiness and success in the emerging "Purpose Economy." Combining concept from brain science, several seminal books on purpose and leadership and the Japanese Ikigai model - as well as videos from LinkedIn Learning - we examine, define, and tie our life purpose to our day-to-day operations and interactions. Course restricted to 98 repetitions

**PROW NC081 Transitions Nuts and Bolts 1 (0 Units)**
Hours: 28 (8 lecture)
Reconnected community living and working is the result of a multitude of factors that all work in tandem. Explore, identify, analyze and develop critical thinking regarding the factors involved in personally engaged community living. Knowledge into the creation of an individualized transitions strategy, or "plan," is applied. Learn to develop your social emotional intelligence and reconnect to yourself and your communities in ways that are personally and professionally meaningful. Course restricted to 98 repetitions

**PROW NC082 Creating Successful Life and Work Transition Plans (0 Units)**
Hours: 28 (8 lecture)
Explore, identify, analyze, and develop critical thinking skills to learn to adapt to a new environment while bringing your experience and strengths with you. Curriculum also includes strategizing and developing a Life, Housing & Employment Blueprint. Develop complex problem-solving skills for managing your personal and professional relationships and challenges in order to thrive during transitions and prepare to enter or re-enter the workforce. Course restricted to 98 repetitions

**PROW NC083 Effectively Managing Workplace Stress (0 Units)**
Hours: 12 (12 lecture)
Eight-hour course addresses one of the biggest individual and societal problems today: the high costs of stress. We define stress and the many ways it negatively affects our personal health and effectiveness as employees and leaders. Also discussed is how stress can cripple companies, organizations and communities. After taking a stress inventory, proacitve approaches to build resilience and lessen exposure to stress are explored. Learn and practice techniques which can help you more effectively handle the inevitable stresses you will encounter. Course restricted to 98 repetitions

**PROW NC084 Trust and Conflict Resolution (0 Units)**
Hours: 12 (12 lecture)
Focuses on the proactive approach of building trust and relationships at work and in your personal life as a means to minimize conflict and mitigate it once it occurs. Also covers how to handle yourself once in a conflict and how to restore trust and relationships after conflict has occurred. Conflict is inevitable and natural, and once we understand and practice the emotional intelligence and communication skills that contribute to positive relationship building, we are in a better position to succeed in all aspects of our lives. Course restricted to 98 repetitions

**PROW NC085 Building Resilience in the Workplace (0 Units)**
Hours: 8 (8 lecture)
Because of our global economy and our 24/7 access to the internet and technology, work is a constant presence in our lives. With more hours put in, and more stress related to work and work life balance, workers need to have and develop skills, techniques and mindsets that not only help them better cope, but thrive in the work environment. Course focuses on why resilience is key to success and on examining the foundational components of resilience and how to incorporate them into your daily life. Course restricted to 98 repetitions

**PROW NC086 Thriving in a Multigenerational Workforce (0 Units)**
Hours: 8 (8 lecture)
With up to five different generations in the U.S. workforce, we must better understand how this impacts workplace dynamics and effectiveness. This course explores the differences among the generations and develops the tools needed to capitalize on the strengths that each generation brings to better collaborate across generations for greater gains. Course restricted to 98 repetitions

**PROW NC087 Planning for Your Future Success (0 Units)**
Hours: 8 (8 lab)
Workplace changes as a result of cultural and global pandemic related shifts, client needs, new technology, and retirement of baby boomers require students to evaluate their current work skills to better position themselves as qualified candidates for future positions. Students use self evaluation to discover gaps in work experience and skills. They compare the differences between their current abilities and what a particular job requires and then develop a plan to bridge that gap and better prepare themselves to meet the requirements of the evolving workplace. Course restricted to 98 repetitions

**PROW NC088 The Art and Science of Giving and Receiving Feedback (0 Units)**
Hours: 8 (8 lecture)
Feedback is critical to improving individual performance and organizational effectiveness. Sharing information on what can and needs to be improved helps optimize work processes and gets things done more efficiently. This class clearly outlines why the most successful organizations only exist in an atmosphere of open feedback and provides techniques and practical applications of best practices in giving and receiving feedback. Course restricted to 98 repetitions

**PROW NC100 Introduction to Nonprofits (0 Units)**
Hours: 8 (0 lecture, 8 lab)
Participants are introduced to the nonprofit sector and learn the differences between nonprofit and for-profit organizations. This course offers an opportunity to explore the operations of nonprofit organizations including governance, board development, strategic planning, fiscal management, legal obligations, evaluation, fundraising, advocacy strategies and collective impact. Practical application for employees at every level of an organization is emphasized. Course restricted to 98 repetitions

**PROW NC101 Strategic Planning (0 Units)**
Hours: 8 (8 lecture)
Participants explore and apply key strategic planning tools and processes for nonprofit organizations. Learn the foundations of strategic planning and how to implement a strategic planning process in a nonprofit organization. This course will demonstrate how to use strategic planning to develop organizational priorities, allocate resources to support priorities and create a strategic plan to strengthen impact. Practical application for organizations of every size is emphasized. Course restricted to 98 repetitions

**PROW NC102 Principles of Fundraising (0 Units)**
Hours: 8 (8 lecture)
Participants explore and apply key fundraising strategies for nonprofit organizations. Learn the foundations of fundraising and how to develop a fundraising plan for a nonprofit organization. This course will discuss the art of the ask, annual giving, corporate sponsorships, donor stewardship and fundraising events. Practical application for organizations of every size is emphasized. Course restricted to 98 repetitions

**PROW NC103 Grantwriting (0 Units)**
Hours: 8 (8 lecture)
Participants will learn the fundamentals of grantwriting for nonprofit organizations and how to develop an effective grant proposal. This course will consider the complete grant cycle from identifying funders to writing effective proposals to reporting and grant management. Practical application for organizations of every size is emphasized. Course restricted to 98 repetitions

**PROW NC104 Marketing for Social Change (0 Units)**
Hours: 8 (8 lecture)
Participants will learn the essentials of marketing for nonprofit organizations and how to develop an effective marketing plan. This course will cover internal and external communication strategies, developing a marketing plan, branding, social media strategy and public relations. Practical application for organizations of every size is emphasized. Course restricted to 98 repetitions

# Advanced Green Gardener, Certificate of Completion

## Requirements

This certificate is awarded to individuals who have completed both the Advanced Green Gardener course and the Green Gardener Recertification course, thereby encouraging Green Gardeners to refresh and update their knowledge and skills related to sustainable landscaping. Unlike the basic Green Gardener courses (Module 1 and 2), the Advanced Green Gardener and Green Gardener Recertification courses offer hands-on training in sustainable landscaping, thus this certificate is awarded to Green Gardeners who have have added hands-on training to their landscaping experiences.

| Code | Title | Units |
|------|-------|-------|
| EHV NC104 | Advanced Green Gardener | 0 |
| EHV NC105 | Green Gardener Recertification | 0 |

## Learning Outcomes

1. Students will be able to apply hands-on sustainable landscaping methods.
2. Students will be able to explain newly emerging sustainable landscaping methodologies.

# Basic Digital Imaging, Certificate of Completion

## Requirements

The Basic Digital Imaging Certificate enables students to develop image editing, file organization, and design project skills that will make them more marketable. This Certificate is also a gateway into other credit programs, helping students develop foundational skills that will prepare them for more intensive programs of study and work opportunities. There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| MATW NC009 | Adobe Illustrator Overview | 0 |
| MATW NC010 | Lightroom Essentials | 0 |
| GDPW NC005 | Photoshop Overview | 0 |

## Learning Outcomes

1. Input, create, edit, enhance and composite, a variety of visual media then optimize and format for use in various media.

2. Demonstrate the ability to use industry-standard software to produce visual images using bitmap and vector formats.

3. Demonstrate the ability to add and modify typographic elements in various projects.

4. Demonstrate the ability to use creative tools and principles and apply appropriately to various projects.

# Basic Internet Skills, Certificate of Completion

## Requirements

This workplace preparation certificate addresses the need to prepare adult learners in today's computerized environment to conduct basic academic as well as professional research, submit applications and tests online, communicates with instructors, registrars and potential employers via email, and develop basic online research presentations. It will also enable students to participate in job-specific training that is increasingly delivered in online formats. The program comprises of two required courses: Searching the Web and Email for Beginners: in addition, students must select on of two elective courses: Optimizing Photos for the Internet and Email or Photoshop Overview.

| Code | Title | Units |
|------|-------|-------|
| **Required Courses** | | |
| CMPW NC040 | Searching the Web | 0 |
| CMPW NC041 | Email for Beginners | 0 |
| Chose one of the following Electives | | |
| CMPW NC042 | Optimizing Photos for the Internet and Email | 0 |
| GDPW NC005 | Photoshop Overview | 0 |

## Learning Outcomes

1. Given an assigned search, students will identify the correct search tool and refine their search results.
2. Demonstrate the ability crop an image.
3. Apply image manipulation techniques to enhance image for either Internet or email
4. Send, receive, forward, and reply to emails.
5. Evaluate image appropriateness, quality and size needed for either Internet or email
6. Demonstrate the ability to save work in appropriate file formats
7. Demonstrate the ability to save work in appropriate file formats

# Basic MAC Software Skills, Certificate of Completion

## Requirements

The Basic MAC Software Skills Certificate of Completion prepares students for entry-level office clerk jobs, and provides a basis for more advanced college and career laddering, notable with the advertising industry. The program consists of three required courses: Exploring Microsoft Office for the MAC, Living the iLife which focuses on dealing with photos on the MAC as well as iTunes, iPod and iPads which introductions to Apple tablets and digital ancillaries. Post-program

participants will be able to navigate the MAC environment, format text, create simple presentations, advertisements and spreadsheets, and organize a variety of work tasks.

| Code | Title | Units |
|------|-------|-------|
| CMPW NC035 | Exploring Microsoft Office for the MAC | 0 |
| CMPW NC036 | Intro to iTunes, iPods, and iPads | 0 |
| CMPW NC037 | Living the iLife | 0 |

## Learning Outcomes

1. Demonstrate the ability to import and retouch photos into iPhoto.
2. Demonstrate the ability to create a slide show.
3. Demonstrate the ability to import music into and export music out of iTunes.
4. Demonstrate the ability to create playlists.
5. Demonstrate ability to use Word and edit documents
6. Construct Excel spreadsheet that contain formulas and functions.
7. Demonstrate ability to create a presentation using PowerPoint
8. Demonstrate ability to use email, contacts, and calendar inside Outlook

# Beginning MAC Skills, Certificate of Completion

## Requirements

This certificate for MAC beginners prepares students for entry-level jobs, such as counter clerks or receptionists, which have a high employment potential in Santa Barbara County. A basic knowledge of computer functions and the MAC environment will also help students in their professional advancement, notably in the advertising industry. The program consists of three required courses: Introduction to the Macintosh, Introduction to Mac OS X Level 1 and Introduction to Mac OS X Level 2.

| Code | Title | Units |
|------|-------|-------|
| CMPW NC030 | Introduction to the Macintosh | 0 |
| CMPW NC031 | Introduction to Mac OS X Level 1 | 0 |
| CMPW NC032 | Introduction to Mac OS X Level 2 | 0 |

## Learning Outcomes

1. Demonstrate the ability to properly power cycle a Mac computer.
2. Demonstrate the ability to navigate various software.
3. Demonstrate ability to manage files using the finder.
4. Demonstrate the ability to add to and remove items from the Dock.
5. Demonstrate the ability to set various system preferences.
6. Create an action plan for problem solving or seeking help when problems arise.

# Career Strategist, Certificate of Completion

## Requirements

The Career Strategist Mini Certificate trains professionals to develop the skills needed to gain an accurate understanding of their strengths, interests, abilities and work values. Students also develop the skills to combine personal characteristics with career information to improve their skills at seeking, obtaining, maintaining and changing jobs. Each related course is designed and taught by a career counselor to improve the career development competencies required for strategic career decision making.

Students learn to:

1. Define and clarify personal values, interests, personality preferences and skills.
2. Formulate career, training and education options that align with individual self characteristics.
3. Develop and maintain a professional online presence to further job search and networking success.
4. Adopt a strategy to approach occupational research that will enhance job search efficiency and effectiveness.
5. Write a professional resume and cover letter.
6. Analyze the essential components of the job interview process and create a strategic plan for specific interviews.

| Code | Title | Units |
|------|-------|-------|
| PDW NC001 | Personalized Career Planning | 0 |
| PDW NC002 | Strategic Job Search | 0 |
| CMPW NC017 | LinkedIn for Business | 0 |

## Learning Outcomes

1. Students will be able to define and clarify personal values, interests, personality preferences and skills

2. Develop and maintain a professional online presence to further job search and networking success

3. Write a professional resume and cover letter.

4. Analyze the essential components of the job interview process and create a strategic plan for specific interviews.

# Computer Basic Skills, Level 1, Certificate of Completion

## Requirements

The Basic Computer Skills, Level 1 Certificate of Completion prepares students for entry-level office clerk jobs, such as counter clerks or receptionists, which have an employment potential in Santa Barbara County and California; in addition, a basic knowledge of the Computer functions and Microsoft Windows environment will help students in their academic progression as well as their professional advancement. The program comprises of three required courses: Computer for Beginners and Windows Basics and Email for Beginners; one elective chosen from: Learn to Type, Computer Keyboard & Mouse Basics, Tips and Tricks.

| Code | Title | Units |
| --- | --- | --- |
| **Requirements** | | |
| CMPW NC022 | Computers for Beginners | 0 |
| CMPW NC041 | Email for Beginners | 0 |
| CMPW NC023 | Windows Basics | 0 |
| Choose one of the following Electives | | |
| CMPW NC021 | Learn to Type | 0 |
| or CMPW NC020 | Computer Keyboard and Mouse Basics and Tips | |

## Learning Outcomes

1. Properly turn on and off a Computer

2. Use a mouse and keyboard properly

3. Navigate the Windows Computer interface

4. Send, receive and reply to emails

5. Search the internet

# Computer Basic Skills, Level 2, Certificate of Completion

## Requirements

The Computer Basic Skills, Level 2 Certificate of Completion prepares students for entry-level office clerk jobs, such as counter clerks or receptionists, which have an employment potential in Santa Barbara County and California; in addition, a basic knowledge Microsoft Windows environment, MS Word and MS Excel will help students in their academic progression as well as their professional advancement. The program comprises of three required courses: Word Basics for Beginners, Excel Basics for Beginners and Introduction to Windows.

| Code | Title | Units |
| --- | --- | --- |
| CMPW NC050 | MS Word Basics for Beginners | 0 |
| CMPW NC062 | MS Excel Basics for Beginners | 0 |
| CMPW NC024 | Introduction to Windows | 0 |

## Learning Outcomes

1. Navigate the Windows environment

2. Create and save files in Word and Excel

3. Retrieve, and edit existing files in Word and Excel

4. Copy, cut and paste text and files

# Computer Hardware Fundamentals, Certificate of Completion

## Requirements

The Hardware Fundamentals Certificate of Completion prepares students for entry-level technology related jobs and provides a basis for more advanced college training and career laddering. The program consists of two required courses: Keeping a PC Hard Disk Clean and Organized, and Optimize and Upgrade Your PC; students also need to take two of

the two following electives: Tech Talk: What's New in Computers and Technology?, or Introduction to Handheld Devices.

| Code | Title | Units |
| --- | --- | --- |
| CNEW NC102 | Optimize and Upgrade Your PC | 0 |
| CNEW NC103 | Keeping a PC Hard Disk Clean and Organized | 0 |
| Complete one of the following courses | | |
| CNEW NC070 | Introduction to Handheld Devices | 0 |
| or CNEW NC071 | Tech Talk: What's New in Computers and Technology? | |

## Learning Outcomes

1. Discuss the impact of technology on current events.
2. Describe the steps required to evaluate and make an informed technological purchase.
3. Based on assessment of hard drive organization develop a strategy to perform basic cleanup.
4. Demonstrate the ability to run basic diagnostics on a PC.
5. Describe a plan of action to upgrade and/or repair their PC.

# Computer Technology Fundamentals, Certificate of Completion

This certificate provides students with skills required to operate computers and diagnose simple computer issues.

This certificate is a gateway into credit programs, helping students prepare for a more complete set of courses and programs in the information technology area.

| Code | Title | Units |
| --- | --- | --- |
| CISV NC100 | Computer Information Technology Fundamentals: Part 1 | 0 |
| CISV NC101 | Computer Information Technology Fundamentals: Part 2 | 0 |

## Learning Outcomes

1. Use critical computing concepts and terms in context.
2. Explain the role of computer technology in modern organizations.
3. Describe common computer careers and organizational roles.

# Customer Relations, Certificate of Completion

## Requirements

The Best Practices in Customer Service Certificate enables students to further develop customer relationship skills by dissecting the anatomy of a complaint, assessing and regulating one's own verbal and nonverbal responses, practicing clarification tools such as paraphrasing or perception checking, and then utilizing critical problem solving methods to retain valuable customers. Emphasis on understanding one's own conflict style and customer's style, collaborating with customers and practicing active listening and solution-oriented communication to defuse angry customers. This certificate is also a gateway into other

noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC036 | The Art of Negotiating and Collaborating | 0 |
| PROW NC050 | Best Practices in Customer Service | 0 |
| PROW NC019 | Personality Styles and Difficult Relationships | 0 |

## Learning Outcomes

1. Analyze and apply 4 essential Customer Service Best Practices in a role play.
2. Construct and deliver a constructive criticism customer service experience session.
3. Explain the different personality styles and how to adapt to each style.
4. Demonstrate the collaborative problem solving model to a case study.
5. Provide strategic customer service recommendations to a business related case study.

# Desktop Publishing Principles (Bilingual), Certificate of Completion

## Requirements

This certificate provides students with skills required to create basic graphic design work in printed media for office use.

The certificate prepares and encourages students to transfer into credit programs in the graphic design area.

This program and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| MATW NC004 | Fundamentals of Photoshop (Bilingual) | 0 |
| CMPW NC006 | Microsoft PowerPoint Fundamentals (Bilingual) | 0 |
| CMPW NC008 | Microsoft Publisher Fundamentals (Bilingual) | 0 |
| MATW NC002 | Windows Video Editing Fundamentals (Bilingual) | 0 |
| CMPW NC010 | Computer/Skills (Bilingual) | 0 |

## Learning Outcomes

1. Produce simple artwork using layers, selections and blending modes on Adobe Photoshop.
2. Create videos using video clips, still images and audio with Windows Photos Application editing tools.
3. Show proficiency in saving, opening and sharing projects
4. Design, edit, save, retrieve, and print documents for printed publication.

5. Create, modify, save and open a Microsoft PowerPoint presentation, apply animation to an object, and transition to slides to enhance presentation.

# Digital Design Basics, Certificate of Completion

Students completing this certificate will develop digital design skills that will enhance their ability to find work, expand their skills at their current place of employment, or ready them to enter a degree program. The core courses develop the software skills necessary to successfully import and edit images for the web and print using up to date industry standard software, integrate typography into projects, and develop creative skills to design and complete a professional project.

| Code | Title | Units |
|------|-------|-------|
| PHOW NC002 | Photoshop for Digital Photographers | 0 |
| MATW NC003 | Photoshop | 0 |
| GDPW NC001 | Digital Design Techniques | 0 |

## Requirements

For a list of requirements, please visit the School of Extended Learning site (https://www.sbcc.edu/extendedlearning (https://www.sbcc.edu/extendedlearning/)).

## Learning Outcomes

1. Create materials for print or web publishing using selected software tools and techniques
2. Explain the differences between bitmap and vector graphics
3. Save work in correct file formats for print and web applications

# Digital Maker, Certificate of Completion

## Requirements

**Students in this program will develop digital design and manufacturing skills, and technology-oriented content knowledge which will support expanded work opportunities. This certificate is also a gateway into other noncredit and credit programs, helping students develop foundational skills that will prepare them for more intensive programs of study and work opportunities. There are no prerequisite requirements for this program and courses are open to all students.**

| Code | Title | Units |
|------|-------|-------|
| DRFW NC001 | Introduction to 3D Printing | 0 |
| DRFW NC002 | Product Design & Prototyping Workshop | 0 |

## Learning Outcomes

1. Identify the processes and tools involved in digital prototyping and manufacturing
2. Identify materials and methods of fabrication
3. Assess current and potential impact of digital manufacturing.

# Digital Photograph Management, Certificate of Completion

Prepares students for entry-level jobs, such as photographic assistant and digital techs, which have high employment potential in Santa Barbara County. A basic knowledge of Adobe Lighroom Classic and will also help students in their professional advancement, notably in the photographic industry.

| Code | Title | Units |
|------|-------|-------|
| PHOW NC003 | Lightroom Classic 1 | 0 |
| PHOW NC004 | Lightroom Classic 2 | 0 |
| PHOW NC005 | Lightroom Classic 3 | 0 |

## Learning Outcomes

1. Use the software tools provided within Adobe Lightroom Classic to organize, enhance and output digital photographic images
2. Students utilize external hard drives to back-up, import, export and organize photographic image files

# Effective Marketing Communication Management, Certificate of Completion

## Requirements

The courses will examine how to manage a marketing campaign, the methods used to communicate brand messaging, and how to develop personal and professional behaviors that support successful outcomes. It will prepare the student by teaching marketing communication skills across multiple mediums.

| Code | Title | Units |
|------|-------|-------|
| MKTW NC005 | B2B and B2C Marketing | 0 |
| MKTW NC006 | Market Research | 0 |
| MKTW NC007 | Self-Management and Development | 0 |

## Learning Outcomes

1. Properly develop management skills to communicate messages to a specific audience across multiple online and offline mediums.
2. Describe planning necessary to execute a successful marketing campaign.
3. Apply the techniques that encourage personal and professional success in marketing communication.

# Emerging Leaders, Certificate of Completion

## Requirements

**PROW NC006 Leadership Skills (0 Units)**
Hours: 8 (8 lecture)
Take your leadership from good to great by exploring and applying the top ten skills that every leader must have. Course restricted to 98 repetitions

**PROW NC012 Supervisory Skills (0 Units)**
Hours: 8 (8 lecture)
Learn the key tools for effective management and supervision. Course covers delegation, feedback, communicating with employees, motivation and management styles. Course restricted to 98 repetitions

**PROW NC014 Motivating Yourself and Others (0 Units)**
Hours: 8 (8 lecture)
Individuals and leaders who want to explore the key ingredients for strengthening workplace commitment, engagement, and career satisfaction. Apply alternative reward and recognition strategies to increase engagement in the workplace. Course restricted to 98 repetitions

**PROW NC038 Increasing Productivity (0 Units)**
Hours: 8 (8 lecture)
Personal productivity results from a combination of factors which all impact each other. Explore, dissect and analyze these factors to develop an individualized plan optimizing your effectiveness in both your professional and personal lives. Focus on personal empowerment and growth while weaving neuroscience theory to help you anchor the learning and understand brain function better. Course restricted to 98 repetitions

## Learning Outcomes

1. Explain and apply communication techniques for constructive criticism to a workplace scenario.

2. Explain the four stages of team development and apply to a case study.

3. Identify a problematic employee issue and identify if it is a coaching issue or disciplinary action case.

4. Explain and apply to a case study three ways to motivate employees.

# Enterprise Communication 2, Certificate of Completion

## Requirements

The Enterprise Communication 2 Certificate enables students to develop the additional strategic communication techniques and skills to open up additional work and advancement opportunities. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC013 | Emotional Intelligence in the Workplace | 0 |
| PROW NC044 | Assertive Communication | 0 |
| PROW NC025 | Resolving Differences in the Workplace | 0 |
| PROW NC035 | Workplace Politics | 0 |

## Learning Outcomes

1. Describe and apply 3 different strategic communication techniques to a workplace scenario.
2. Construct and verbally deliver an assertive message based on a workplace scenario.
3. Identify a workplace political issue and apply 3 skills to match a personal workplace scenario.
4. Identify your professional EI strengths and limitations. Develop a plan using 2 behavioral techniques to increase your EI competencies.

# Enterprise Communication, Certificate of Completion

## Requirements

**PROW NC004 Workplace Communication Strategies (0 Units)**
Hours: 8 (8 lecture)
Participants assess and optimize current workplace communication skills. Differentiate content, emotions, perceptions and intentions in a communication exchange. Build an advanced communication toolkit to forward your career. Illustrate clear and congruent verbal and nonverbal messages tailored to the personalities involved, the desired outcomes, and the context. Course restricted to 98 repetitions

**PROW NC032 Difficult Conversations (0 Units)**
Hours: 8 (8 lecture)
Develop techniques for difficult conversations based on intentions, optimal outcome and assumptions. Craft and deliver scripts customized to the scenario and personality styles involved. Course restricted to 98 repetitions

**PROW NC002 Business Writing in a Technological World (0 Units)**
Hours: 44 (8 lecture)
In this course students will develop effective and professional business writing skills using business tone, organization and formatting, word choice and persuasion. Matching the delivery channel (email, letter, memo or text) to the message type and situation will be covered, as well as the best methods to deliver bad news. Course restricted to 98 repetitions

## Learning Outcomes

1. Describe what is meant by the following, and how to apply them in difficult conversations: Inquiry, acknowledgement, advocacy, and problem solving.
2. Construct and deliver a constructive criticism feedback session.
3. Describe how collaboration techniques can be used to address a conflict
4. Apply business writing concepts to writing letters and emails using complete sentences with sentence variety, clarity with pronouns, proper punctuation, paragraphing and clear organization of ideas.
5. Describe the importance of proper tone and style for business writing.

# Fundamentals of Graphic and Web Design (Bilingual), Certificate of Completion

## Requirements

This certificate provides students with skills required to create basic graphic and Web design work.  The certificate prepares and encourages under-served students to transfer into credit programs in the graphic design area. This program and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| GDPW NC015 | Fundamentals of Graphics (Bilingual) | 0 |
| CMPW NC010 | Computer/Skills (Bilingual) | 0 |
| MATW NC011 | Fundamentals of Web Design (Bilingual) | 0 |

## Learning Outcomes

1. Create, design, edit, format, and save simple digital artwork.

2. Use various tools and techniques to retouch digital images.

3. Describe the basic functions of the internet and website creation.

4. Identify methods of creating a webpage.

# Global Trends in Human Resources, Certificate of Completion

## Requirements

Work skills preparation for increasing understanding and then implementing of global human universal knowledge and techniques. This enables students to develop excellent internal communication as human resource specialists, achieving long-term loyalty and excellence in organizational relationships for workforce success within the company, and with profitability for the businesses.

This certificate is also a gateway into other noncredit and credit programs in business by helping students develop foundational skills to enter further programs of study and work opportunities in business studies. There are no prerequisite requirements for this program and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| IBW NC001 | Domestic and Global Issues in Employment Law | 0 |
| IBW NC002 | Interviewing and Hiring in the Global Marketplace | 0 |
| IBW NC003 | Evaluating and Monitoring Performance of Your Global Team | 0 |

## Learning Outcomes

1. Properly developed management skills to recruit for qualified employees digitally and physically.
2. Team building and trust building techniques will be recognized based on a communication checklist created by students.

# Green Gardener, Certificate of Completion

## Requirements

ATTENTION GARDENERS, LANDSCAPERS, HOMEOWNERS, PROPERTY OWNERS AND MANAGERS: Become a part of the Green Gardener Program. Why? Well, in addition to becoming more environmentally responsible, more resource efficient and preventing pollution, certified Green Gardeners will benefit from advertising and discounts by the program sponsors. The 15-week program consists of two modules that include classroom work, demonstration and take-home field work. Be on the cutting edge of Green Landscaping...the Earth will thank you for it.

| Code | Title | Units |
| --- | --- | --- |
| EHV NC001 | Green Gardener: Module 1 | 0 |
| EHV NC002 | Green Gardener: Module 2 | 0 |

## Learning Outcomes

1. Will be able to demonstrate, at an entry level, knowledge and skills necessary to increase irrigation efficiency, reduced-risk pest management, soil and fertilizer management, compost and mulch management, green waste reduction and appropriate plant selection.
2. Student will be able to demonstrate an advanced understanding of the following topics and possess related job skills. (no topics listed in original information).

# Harness the Cloud to Maximize Work Performance, Certificate of Completion

## Requirements

The Harness the Cloud to Maximize Work Performance Certificate enables students to develop better understanding of uses of technology in the Cloud. Students utilize tools such as business apps, Google Drive and Cloud storage to facilitate the creating, managing, sharing, collaborating and backing up of information. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

| Code | Title | Units |
| --- | --- | --- |
| CMPW NC012 | How to Use Google Drive to Maximize Performance | 0 |
| CMPW NC013 | The Best Cloud Backup Options to Protect Data | 0 |
| CMPW NC011 | Best Business Apps | 0 |

## Learning Outcomes

1. Identify types of information and choose appropriate Business App for better productivity
2. Create, store, retrieve, link and collaborate files using Google Drive.
3. Analyze backup needs and describe/create a plan to protect data.

# High Performance Teams, Certificate of Completion

## Requirements

The High Performance Teams Certificate enables students to develop key team building skills that apply to anyone who works within a team or leads one.  Learn sources of power and influence,  explore how teams move through stages, learn how team members perform different task and maintenance roles, identify communication behaviors that create a supportive climate, demonstrate effective meeting and facilitation strategies, explore how to help team members and oneself move through organizational change. and utilize tools for critical problem solving and decision making.   Practical application within a team structure is emphasized.  These applied skills open up additional work and advancement opportunities. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
| --- | --- | --- |
| PROW NC019 | Personality Styles and Difficult Relationships | 0 |
| PROW NC015 | Building High Performance Teams | 0 |
| PROW NC017 | Change is the New Constant | 0 |

## Learning Outcomes

1. Practice adapting one's own personality style to each of the the other personality styles based on a case study. Participants will produce ideas in writing and apply strategies verbally by simulating a common workplace scenario.
2. Analyze a business case and develop a 5 step change management plan in writing.
3. Apply teamwork principles and strategies to lead and solve a professional workplace challenge both verbally and in writing.

# Leader for Diversity, Equity, and Inclusion, Certificate of Completion

This two-course series deepens participant's understanding of the many hidden and misunderstood forms of inequity, and how they are perpetuated and upheld in our society. Participants learn specific ways they can become effective and accountable collaborators for a more equitable, inclusive, and just world in both their personal and professional lives.

| Code | Title | Units |
| --- | --- | --- |
| COMW NC001 | Building an Equity Mindset | 0 |
| COMW NC002 | Applying an Equity Mindset | 0 |

## Learning Outcomes

1. Identify implicit and explicit forms of inequity that are pervasive in our society .
2. Explain the methods through which implicit and explicit forms of inequity are upheld and perpetuated.

3. Self-identify thought processes and behaviors that act as barriers to cross-racial understanding, trust, and collaboration.
4. Identify behaviors that promote effective and accountable partnerships for social change.

# Management Toolbox, Certificate of Completion

## Requirements

The Management Toolbox Certificate enables students to develop the delegation, communication, time management and motivation techniques and skills to open up additional work and advancement opportunities. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC033 | Successfully Managing and Developing People | 0 |
| PROW NC004 | Workplace Communication Strategies | 0 |

## Learning Outcomes

1. Describe and apply three different management styles.
2. Construct and deliver a constructive criticism feedback session.
3. Identify one task to delegate and create a delegation plan.
4. Describe active listening techniques and the purpose of each.
5. Construct and deliver a perception checking statement.

# Managing to Maximize Performance, Certificate of Completion

## Requirements

The Managing to Maximize Performance Certificate enables students to develop the coaching and management collaboration techniques and skills to open up additional work and advancement opportunities. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC036 | The Art of Negotiating and Collaborating | 0 |
| PROW NC021 | Coaching Skills | 0 |
| PROW NC032 | Difficult Conversations | 0 |

## Learning Outcomes

1. Identify and describe opportunities to provide coaching in the workplace, including when an employee is nonperforming.

2. Explain using examples the difference between coaching in a work setting, mentoring and performance counseling.
3. Demonstrate through role pla how managers can apply negotiation and collaboration skills as they supervise and manage employees.
4. List and define 4 tools for negotiation and collaboration on the workplace.
5. Write and deliver a difficult conversation in response to a managerial case study or assignment.

# Medical Assistant Training Program, Certificate of Completion

## Requirements

The Medical Assistant Training Program consists of three courses (MA IA, MA IB, and Integrating the Worksite Environment). These courses include content related to front office administrative duties, back office clinical duties, and job readiness skills of a Medical Assistant. The program prepares students to work as entry level medical assistants in medical provider offices or clinics. An awareness of socioeconomic diversity, cross-cultural patient care, and communication skills will be emphasized.

| Code | Title | Units |
|------|-------|-------|
| AHV NC005 | Medical Assistant IA: Administrative and Clinical Skills | 0 |
| AHV NC006 | Medical Assistant IB: Administrative and Clinical Skills Part Two | 0 |
| AHV NC009 | Integrating the Worksite Environment | 0 |

## Learning Outcomes

1. Perform return demonstration in infection control, vital signs measurement, assisting with medical examinations, and performing medical office diagnostic tests.
2. Describe effective communication strategies for assisting patients in front office reception and appointment scheduling.

# Microsoft Office Skills, Level 1, Certificate of Completion

## Requirements

The Basic Software Skills Certificate of Completion prepares students for entry-level office clerk jobs and provides a basis for more advanced college training and career laddering. The program consists of three required courses: Word 1, Excel 1 and PowerPoint 1 and one elective from the following courses: Outlook 1, Publisher 1 or Access 1. Post-program participants will be able to navigate computer screens, format text, create simple presentations and spreadsheets, and organize a variety of work tasks.

| Code | Title | Units |
|------|-------|-------|
| **Required Courses** | | |
| CMPW NC51A | MS Word 1 | 0 |
| CMPW NC63A | MS Excel 1 | 0 |
| CMPW NC55A | MS PowerPoint 1 | 0 |
| **Choose one of the following elective** | | |
| CMPW NC58A | MS Outlook 1 | 0 |

| Code | Title | Units |
|---|---|---|
| CMPW NC73A | MS Publisher 1 | 0 |
| CMPW NC83A | MS Access 1 | 0 |

## Learning Outcomes

1. Create, edit, format, print, open and save a Word document
2. Create, edit, print open and save an Excel spreadsheet including using formulas or functions to preform calculations
3. Create, edit, insert objects, apply animations to an object and/or slide, save, open and run a PowerPoint presentation
4. Determine the correct software for a office task

# Microsoft Office Skills, Level 2, Certificate of Completion

The Basic Software Skills Certificate of Completion prepares students for entry-level office clerk jobs and provides a basis for more advanced college training and career laddering. The program consists of three required courses: Word 2, Excel 2 and PowerPoint 2 and one elective from the following courses: Outlook 2, Publisher 2 or Access 2. Post-program participants will be able to format and navigate long documents, work with large and multiple worksheets and workbooks in Excel and modify an existing PowerPoint presentation to improve its overall appearance. By utilizing an addition Microsoft application that is part of office suite participants will enhance employability skills.

| Code | Title | Units |
|---|---|---|
| Requirements | | |
| CMPW NC51B | MS Word 2 | 0 |
| CMPW NC63B | MS Excel 2 | 0 |
| CMPW NC55B | MS PowerPoint 2 (Electives) | 0 |
| Choose one elective | | |
| CMPW NC58B | MS Outlook 2 | 0 |
| CMPW NC73B | MS Publisher 2 | 0 |
| CMPW NC83B | MS Access 2: Tables/Queries | 0 |

## Learning Outcomes

1. Properly format long documents in WordWork with large and multiple worksheets and workbooks in Excel
2. Instructor will observe student completion of class exercises to assess technical competence and appropriate use of program functions
3. Modify a PowerPoint presentation to improve its overall appearance
4. Instructor will observe student completion of class exercises to assess technical competence and appropriate use of program functions

# Noncredit Construction Module, Certificate of Completion

## Requirements

Introduction to residential construction includes four consecutive 4-week courses in framing, finish carpentry, electrical and plumbing, leading to Certificate. Prepares students for workforce and credit Construction Technology program.

| Code | Title | Units |
|---|---|---|
| CTV NC001 | Construction Framing | 0 |
| CTV NC002 | Construction Finish Carpentry | 0 |
| CTV NC003 | Construction Electrical | 0 |
| CTV NC004 | Construction Plumbing | 0 |

## Learning Outcomes

1. Use basic construction tools (hammer, skilsaw, table saw, sawzall, chop saw) safely
2. Demonstrate understanding of jobsite safety
3. Demonstrate understanding of construction industry work ethic
4. Analyze the construction framing process
5. Analyze the finish carpentry process

# Office Computer Applications (Bilingual), Certificate of Completion

## Requirements

This certificate of completion provides students with necessary skills required to perform office and administrative support jobs.  The series of courses helps prepare students for employment, more advanced college courses, and career advancement.

The program encompasses courses such as Microsoft Word Fundamentals (Bilingual), Typing/Keyboarding (Bilingual), Microsoft Excel Fundamentals (Bilingual), Microsoft PowerPoint Fundamentals (Bilingual), Microsoft Publisher Fundamentals (Bilingual), and Computer Skills (Bilingual).

This program and courses are open to all students.

| Code | Title | Units |
|---|---|---|
| CMPW NC001 | Typing-Keyboarding (Bilingual) | 0 |
| CMPW NC005 | Microsoft Word Fundamentals (Bilingual) | 0 |
| CMPW NC006 | Microsoft PowerPoint Fundamentals (Bilingual) | 0 |
| CMPW NC007 | Microsoft Excel Fundamentals (Bilingual) | 0 |
| CMPW NC008 | Microsoft Publisher Fundamentals (Bilingual) | 0 |
| CMPW NC010 | Computer/Skills (Bilingual) | 0 |

## Learning Outcomes

1. Create, edit, save, retrieve and print functional and professional-looking Excel spreadsheets.
2. Create, modify, save a Microsoft PowerPoint presentation, apply animation to an object, and transition to slides to enhance presentation.
3. Create, design, modify, save, retrieve, and print various types of publications in Microsoft Publisher.
4. Create, edit, save, retrieve and print a Microsoft Word document.

# Office Computer Applications Essential (Bilingual), Certificate of Completion

## Requirements

This certificate of completion provides students with necessary skills required to perform office and administrative support jobs.  The series of courses helps prepare students for employment, more advanced college courses, and career advancement.

The program encompasses courses such as Microsoft Word Fundamentals (Bilingual), Typing/Keyboarding (Bilingual), Microsoft Excel Fundamentals (Bilingual), Microsoft PowerPoint Fundamentals (Bilingual), Microsoft Publisher Fundamentals (Bilingual), and Computer Skills (Bilingual).  This program and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| CMPW NC001 | Typing-Keyboarding (Bilingual) | 0 |
| CMPW NC002 | Introduction to Computers (Bilingual) | 0 |
| CMPW NC004 | Introduction to the Internet and Email (Bilingual) | 0 |
| CMPW NC005 | Microsoft Word Fundamentals (Bilingual) | 0 |
| CMPW NC010 | Computer/Skills (Bilingual) | 0 |

## Learning Outcomes

1. Create, edit, save, retrieve, and print documents in Microsoft Word
2. Use correct finger placement, demonstrate appropriate ergonomic habits, increase typing speed and improve typing accuracy.
3. Use the web to find information, communicate via email and describe security threats and countermeasures on the Internet.
4. Identify functions and uses of Microsoft Office applications and other computer software.
5. Identify the hardware components of a computer system.
6. Organize and work with files and folders.

# Personal Care Attendant, Certificate of Completion

## Requirements

The Personal Care Attendant Program consists of two courses (PCA I and PCA II). These courses include content related to non-medically directed personal care and home management activities, including dementia and end-of-life care. The program prepares students to seek entry level Personal Care Attendant employment.

| Code | Title | Units |
|------|-------|-------|
| AHV NC020 | Personal Care Attendant I: Basic Care | 0 |
| AHV NC021 | Personal Care Attendant II: Dementia & End of Life Care | 0 |

## Learning Outcomes

1. The student will utilize correct techniques for non-medical personal care, including effective communication, measuring vital signs, and bathing.

2. The student will demonstrate use of effective strategies for assisting and communicating with individuals with dementia or those facing end-of-life.

# Powerful Presentations, Certificate of Completion

## Requirements

Participants explore and apply current presentation delivery and formatting skills needed in today's workforce. Students learn advanced persuasion skills to get their ideas heard at meetings, sell themselves in an interview and organize any business presentation with clarity, brevity and impact. Emphasis is placed on current business presentations, supporting technology, situational and audience analysis, persuasion and organizing ideas to achieve maximum results. Participants practice influencing by applying appropriate verbal and nonverbal strategies.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC067 | High Impact Presentations and Proposals for the Work Place | 0 |
| CMPW NC55A | MS PowerPoint 1 | 0 |

## Learning Outcomes

1. Tailor a presentation to a particular work related audience and context.
2. Apply an organizational structure for developing and delivering workplace presentations.
3. Deliver a persuasive presentation using current presentation technology. (Prezi)

# Project Management, Certificate of Completion

## Requirements

The Project Management Certificate enables students to develop the additional planning, idea generation and implementation skills to open up additional work and advancement opportunities. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC010 | Project Management for Non Project Managers | 0 |
| PROW NC011 | Process Improvement | 0 |
| PROW NC015 | Building High Performance Teams | 0 |
| PROW NC039 | Innovation and Creativity | 0 |

## Learning Outcomes

1. Explain and apply three process improvement techniques to a case study.

2. Explain three steps one can take to build cohesiveness in a team.
3. Identify and explain the steps needed to choose an alternative from a brainstorming session.
4. Explain and apply to a case study how to mitigate risk in a project management setting.

# Research Specialist, Certificate of Completion

## Requirements

Students completing this certificate will learn to identify information needs in the workplace, use advanced search skills to find and evaluate credible sources and communicate their research using free, web-based applications. Research Specialists can distinguish themselves on the job by using skilled research and communications to improve work quality and collaborate with others. These courses develop the information literacy skills required for professionals to stay current on information in their field and share these sources with others.

| Code | Title | Units |
| --- | --- | --- |
| LIBW NC001 | Online Research Skills | 0 |
| LIBW NC002 | Presenting Research with Infographics | 0 |

## Learning Outcomes

1. Students will: Strategically search for, select, and evaluate the accuracy, credibility, and relevance of information sources.
2. Students will: Use technology to effectively analyze, organize, and communicate information and ideas.

# Restorative Nurse Assistant Training, Certificate of Completion

## Requirements

The Restorative Nurse Assistant Training Program consists of two courses (RNA Introduction and RNA Advanced). These courses include content related to mobility, performance of activities of daily living, aging effects on the five senses and management of cognitive deficit. The RNA Program prepares students to work as restorative assistants focusing on therapeutic modalities, exercise and rehabilitation management.

| Code | Title | Units |
| --- | --- | --- |
| AHV NC030 | Restorative Nurse Assistant Training - Introduction | 0 |
| AHV NC031 | Restorative Nurse Assistant Training - Advanced | 0 |

## Learning Outcomes

1. The student will demonstrate competent restorative techniques.
2. The student will demonstrate use of effective strategies for communicating with individuals with psychological, cognitive or sensory impairment.

# Sales Techniques, Certificate of Completion

## Requirements

The Sales Techniques Certificate enables students to develop the sales techniques and skills to open up additional work and advancement opportunities in the area of sales. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
| --- | --- | --- |
| PROW NC056 | Closing Techniques That Win the Sale | 0 |
| PROW NC057 | Winning Sales Scripts | 0 |

## Learning Outcomes

1. Develop and deliver a series of sales scripts to fit a given sales situation and effectively deliver the scripts.
2. Describe and demonstrate techniques for closing sales.
3. Describe and demonstrate how to ask for the sale when a potential customer is resistant.
4. Develop and deliver scripts for call center or 'inside sales".

# Social Media for Business, Certificate of Completion

## Requirements

This set of courses takes students through the planning process of using social media as part of a business marketing strategy. They will analyze the ways in which business and nonprofits use social media marketing to engage customers in dramatically different ways from the past. Students will create a successful business presence on social media using the Facebook, Twitter, LinkedIn, YouTube, Instagram and Pinterest business environments and learn how to use these tools to capture all of the benefits offered to a business/organization.

| Code | Title | Units |
| --- | --- | --- |
| CMPW NC014 | Facebook for Business | 0 |
| CMPW NC015 | Twitter for Business | 0 |
| CMPW NC017 | LinkedIn for Business | 0 |
| CMPW NC016 | Pinterest and Instagram for Business | 0 |
| CMPW NC018 | YouTube for Business | 0 |

## Learning Outcomes

1. Explain the differences and advantages of each of the six social media apps covered in this certificate.
2. Create a marketing strategy that support the business' goals.
3. Analyze effectiveness of a variety of content styles specific to each social media app.

4. Craft compelling content relevant and valuable to the defined target audience.

# Strategic Marketing, Certificate of Completion

## Requirements

Workforce preparation for increasing strategic marketing skills that enable students to develop improved social media communication and sharpen planning and goal setting skills. Enhance retention of long-term customers to increase profitability through creation and implementation of marketing strategies.

| Code | Title | Units |
|------|-------|-------|
| MKTW NC001 | Marketing Fundamentals | 0 |
| MKTW NC002 | Business Branding | 0 |
| MKTW NC003 | Market Positioning | 0 |
| MKTW NC004 | Digital and Mobile Marketing | 0 |

## Learning Outcomes

1. Properly develop social media profiles to engage in customer and organizational relationships to increase sales and profitability for organizations

2. Students develop skills which will give them opportunities to do strategic marketing development and immediate social media campaigns

3. Expand accuracy and fluency in marketing segment knowledge and theories to communicate necessary information to obtain or expand employment work or create a social media strategy for entrepreneurial expertise

# Successful Work and Life Transitions, Certificate of Completion

## Requirements

The Successful Work and Life Transitions Certificate enables students to develop the skills, attitudes and practical steps to effectively navigating work and life transitions. Those who earn this certificate increase their self-awareness and learn not only what it takes to secure a new job, but also how to prepare for a better job. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even greater work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC080 | Creating a Life of Purpose for Workplace Success | 0 |
| PROW NC081 | Transitions Nuts and Bolts 1 | 0 |
| PROW NC082 | Creating Successful Life and Work Transition Plans | 0 |

## Learning Outcomes

1. Assess current skills, abilities, interests, and talents and match them with potential work opportunities.
2. Identify an employment challenge and apply skills to meet and overcome that challenge.
3. Explain and apply a practical step-by-step plan to successfully complete all necessary employment requirements.
4. Identify professional strengths and limitations and describe two behavioral techniques to increase workplace competencies.

# Teaching with Humanizing Technology, Certificate of Completion

## Requirements

Social-Emotional Learning pedagogy emphasizes the foundational skills educators and students need in place in order to best facilitate learning. This program reviews major approaches to Social-Emotional Learning and presents evidence for how it works to support student success and persistence through the cultivation of a sense of academic and cultural belonging among students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC070 | Teaching with Humanizing Technology I | 0 |
| PROW NC071 | Teaching with Humanizing Technology II | 0 |

## Learning Outcomes

1. Define the relationship between Social-Emotional Learning, belonging, and student success and equity.

2. Identify the benefits of Social-Emotional Learning pedagogy to transforming campus teaching and program culture

3. Apply Social-Emotional Learning tools and strategies in the classroom and campus programs.

# Thrive and Survive in the Workplace, Certificate of Completion

## Requirements

The Thrive and Survive in the Workplace Certificate enables students to develop professional etiquette techniques and self management strategies. It also explores best practices for employees to thrive and survive at work. These skills and strategies can open up additional work and advancement opportunities. This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC051 | Secrets of a Great Employee | 0 |
| PROW NC028 | Championing Diversity in the Workplace | 0 |

| | | |
|---|---|---|
| PROW NC068 | Professional Etiquette | 0 |
| PROW NC064 | Accountability | 0 |

## Learning Outcomes

1. Construct a personal accountability plan for a current workplace situation.
2. Identify one's knowledge and current practice based on the professional etiquette survey by writing a personal reflection paper.
3. Describe and create individual action plans for implementing different strategies to thrive and surviving in the workplace.

# Visual Basic for Applications Fundamentals, Certificate of Completion

## Requirements

The certificate in Visual Basic for Applications (VBA) Fundamentals is designed to provide students with introductory skills in automating Microsoft Office applications. Successful completion of this certificate prepares students with career-related work skills in organizations desiring to automate the Microsoft Office Suite.

This certificate is a gateway into credit programs, helping students prepare for a more complete set of courses and programs in Microsoft Office automation and programming.

There are no prerequisite requirements for this program and courses are open to all students.

| Code | Title | Units |
|---|---|---|
| CISV NC020 | Visual Basic for Applications: Excel | 0 |
| CISV NC021 | Visual Basic for Applications: Access | 0 |

## Learning Outcomes

1. Explain the use and values of variables and constants in Visual Basic for Applications.
2. Demonstrate the ability to automate Microsoft Excel.
3. Demonstrate the ability to automate Microsoft Access.

# VMware vSphere Install, Configure, Manage, Certificate of Completion

## Requirements

The certificate of completion in VMware vSphere Install, Configure, Manage provides students with the skills and competencies to install, configure and manage vSphere systems.

This certificate is a gateway into credit programs, helping students prepare for a more complete set of courses and programs in the system administration area.

| Code | Title | Units |
|---|---|---|
| CISV NC005 | VMware vSphere Install and Configure | 0 |
| CISV NC006 | VMware vSphere Advanced Management | 0 |

## Learning Outcomes

1. Explain the steps required to install VMware vSphere and create virtual machines.
2. Describe the appropriate configurations for vSphere implementations.
3. Demonstrate the ability to configure advanced VMware vSphere features, such as high availability.

# Windows Desktop Administration, Certificate of Completion

## Requirements

This certificate provides students with skills required to install, configure and administer a Windows desktop or client computer.

The certificate is a gateway into credit programs, helping students prepare for a more complete set of courses and programs in the system administration area.

There are no prerequisite requirements for this program and courses are open to all students.

| Code | Title | Units |
|---|---|---|
| CISV NC001 | Installing and Configuring Windows Desktop | 0 |
| CISV NC002 | Configuring Windows Devices | 0 |

## Learning Outcomes

1. Describe the steps required to install a Windows desktop client.
2. Demonstrate the ability to select the appropriate settings when configuring a Windows desktop client.
3. Identify troubleshooting solutions for Windows desktop clients.

# Windows Server Administration, Certificate of Completion

## Requirements

This certificate provides students with skills required to install, configure, and administer a Windows Server. Students will learn how to perform these functions, as well as learn appropriate design of Windows Active Directory.

This certificate is a gateway into credit programs, helping students prepare for a more complete set of courses and programs in the system administration area.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|---|---|---|
| CISV NC003 | Installing and Configuring Windows Server | 0 |
| CISV NC004 | Administering Windows Server | 0 |

## Learning Outcomes

1. Describe the steps required to install a Windows Server.
2. Demonstrate the ability to select the appropriate settings when configuring a Windows Server.
3. Design an Active Directory structure.

# Workplace Essentials, Certificate of Completion

## Requirements

Workplace Essentials is perfect for anyone seeking employment or wanting to advance one's current professional effectiveness. Students completing this certificate will practice effective and professional business writing skills using business tone, organization and formatting, word choice and persuasion. Matching the delivery channel (email, letter, memo or text) to the message type and situation. Students will be applying proven time management tools, critical thinking techniques, and problem solving strategies to typical and atypical workplace issues. This will develop workplace effectiveness and training that will qualify them for jobs they may not previously been qualified and open advancement opportunities within a current job. This certificate is also a gateway into other noncredit and credit programs.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC002 | Business Writing in a Technological World | 0 |
| PROW NC005 | Critical Thinking, Problem Solving and Decision Making | 0 |
| PROW NC003 | Time Management | 0 |

## Learning Outcomes

1. Relate the role of critical thinking to meeting business challenges and solving problems.
2. Hypothesize solutions to typical and atypical problems and test these hypotheses.
3. Demonstrate business writing skills in the form of emails, memos and proposals.
4. Apply the time management quadrant to a business case study attempting to balance personal and organizational goals.

# Workplace Wellness, Certificate of Completion

## Requirements

The Workplace Wellness Certificate enables students to learn and build the self-awareness, communication, health, and wellness skills that enable them to lower their stress, manage conflict appropriately, and build resilience, all of which have been shown to result in better health, higher productivity and morale, and better outcomes for both the employee and the employer. It enables students to develop the proactive and strategic communication techniques and wellness practices that minimize and mitigate the stressful challenges of the workplace.

This certificate is also a gateway into other noncredit and credit programs, helping students develop workplace skills and training that will qualify them for even more work opportunities.

There are no prerequisite requirements for this program, and courses are open to all students.

| Code | Title | Units |
|------|-------|-------|
| PROW NC083 | Effectively Managing Workplace Stress | 0 |
| PROW NC084 | Trust and Conflict Resolution | 0 |
| PROW NC085 | Building Resilience in the Workplace | 0 |

## Learning Outcomes

1. Describe how increasing trust and building relationships positively contributes to workplace wellness, psychological safety, and improves individual and team performance.
2. Assess and apply different strategic resilience and stress management techniques that can proactively decrease workplace stress.
3. Assess professional stress management strengths and limitations. Develop plans using proactive behavioral techniques discussed to increase management of workplace stress and build resilience.
4. Identify a challenging workplace issue and apply skills that mitigate the situation and most likely produce a win-win scenario.

# School of Extended Learning: English as a Second Language (Noncredit)

Department website: https://www.sbcc.edu/extendedlearning/esl (https://www.sbcc.edu/extendedlearning/esl.php)

Do you want to learn English or become a citizen? Take English as a Second Language classes for free at the School of Extended Learning. We offer English, Vocational English, and Citizenship classes in Carpinteria, Goleta, and Santa Barbara.

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## Certificates

- ESL Pre GED Math/English, Certificate of Competency (https://catalog.sbcc.edu/sel/esl-noncredit/esl-pre-ged-math-english-certificate-competency/)
- ESL Intermediate Grammar and Composition, Certificate of Competency (https://catalog.sbcc.edu/sel/esl-noncredit/esl-intermediate-grammar-composition-certificate-competency/)
- ESL Advanced Grammar and Composition, Certificate of Competency (https://catalog.sbcc.edu/sel/esl-noncredit/esl-advanced-grammar-composition-certificate-competency/)
- ESL Pronunciation and Conversation, Certificate of Competency (https://catalog.sbcc.edu/sel/esl-noncredit/esl-pronunciation-conversation-certificate-competency/)
- ESL Level 1, Certificate of Competency (https://catalog.sbcc.edu/sel/esl-noncredit/esl-level1-certificate-competency/)

# Courses
## Noncredit Courses

### ESLN NC000 Introduction to ESL (0 Units)
Hours: 80 (80 lecture)
Students learn to identify symbols in their lives including, but not limited to letters, numbers, time, direction, money, calendar, schedules and appointments. Students listen, speak, read and write in English at a pace determined by their own abilities and progress. Students increase confidence in classroom skills such as responding to teacher's questions, asking for help and working in pairs and groups. Course restricted to 98 repetitions

### ESLN NC005 Pronunciation and Speaking Skills: Beginning ESL (0 Units)
Hours: 25 (25 lecture)
Students practice beginning level speaking skills related to daily life situations and tasks. Students learn pronunciation basics for English language proficiency and gain confidence in appropriate and clear verbal interaction for community and classroom. Topics include personal information, family, jobs, school, and daily life. Course restricted to 98 repetitions

### ESLN NC006 Pronunciation and Conversation: Beyond ESL Basics (0 Units)
Hours: 25 (25 lecture)
Students practice clear pronunciation of American English at a beginning high or intermediate low level. Students gain confidence in communication skills to increase work opportunities and community involvement, and increase comprehensibility to help with daily verbal interaction in the community and classroom. Language topics include intonation, rhythm, stress and letter sounds in English. Course restricted to 98 repetitions

### ESLN NC007 Pronunciation and Conversation: Intermediate (0 Units)
Hours: 50 (50 lecture)
Students learn to recognize and produce clear pronunciation of standard American English for intermediate students. Instruction focuses on sound mechanics, correct verb tense endings, intonation, rhythm, and stress. Students increase vocabulary and fluency to gain confidence in clear verbal interaction. Course restricted to 98 repetitions

### ESLN NC008 ESL Intermediate Low Grammar (0 Units)
Hours: 50 (50 lecture)
Intermediate low ESL students will use an integrated skills approach that includes reading, writing, listening, and speaking in a variety of contexts to increase confidence when commuting in English. Students learn English grammar and usage and focus on grammatical concepts in spoken/written English. Topics include modals, irregular past tense verbs, tag questions, commands, count and non-count nouns, and parts of speech. Students identify and use grammatical elements to compose and communicate using a variety of sentence styles, patterns, and tenses. Course restricted to 98 repetitions

### ESLN NC009 ESL Intermediate High Grammar (0 Units)
Hours: 50 (50 lecture)
Intermediate high ESL students will use an integrated skills approach that includes reading, writing, listening, and speaking in a variety of contexts to increase confidence when communicating in English. Students learn English grammar and usage and grammatical concepts in spoken and written English. Topics include verb tenses, question formation, connectors, noun clauses, formal vs. informal, omission, reductions, and phrasal verbs. Students identify and use grammatical elements to compose and communicate using a variety of sentence styles, patterns, and tenses. Course restricted to 98 repetitions

### ESLN NC010 ESL Advanced Grammar (0 Units)
Hours: 50 (50 lecture)
Advanced ESL students will use an integrated skills approach that includes reading, writing, listening, and speaking in a variety of contexts to increase communicative skills and confidence in English. Students learn English grammar and usage and focus on grammatical concepts in spoken and written English. Topics include perfect tenses, active and passive voice, prepositions, conditional, and parts of a sentence. Students identify and use grammatical elements to compose and communicate using a variety of sentence styles, patterns, and tenses. Course restricted to 98 repetitions

### ESLN NC011 Political and Cultural History of the United States: ESL (0 Units)
Hours: 30 (30 lecture)
Intermediate ESL students learn the political and cultural history of the United States and its government. Topics include the history of the native people and the settlers, the political history of the founders of the United States and how the government was formed, and a review of the current political process as it functions in the United States. Course restricted to 98 repetitions

### ESLN NC013 ESL Parent Involvement in K-12 (0 Units)
Hours: 30 (30 lecture)
Provides parents with knowledge and tools to navigate the public school system. Students design a home environment that supports learning for their children. Students learn to demonstrate the ability to express high expectations for their children's achievements and develop skills to become involved in their children's education at school and in the community. Course restricted to 98 repetitions

### ESLN NC014 ESL Through Music (0 Units)
Hours: 20 (20 lecture)
Students use English-language songs to learn new vocabulary and improve their speaking and listening skills in English. Course will explore idioms and customs expressed in the songs. Students will learn to identify different musical genres and express opinions related to the cultural subjects within the songs. Course restricted to 98 repetitions

**ESLN NC015 ESL Job Success: English to Get a Job (0 Units)**
Hours: 30 (30 lecture)
This course helps high beginning ESL students look for and get a job. Students will practice job searching, submitting online applications, and interviewing skills. Students learn the English needed to explain what they can do, state what they want to do in the future and navigate a job evaluation. This course teaches English listening, speaking, reading, and writing, in the context of real-life work-related situations. Course restricted to 98 repetitions

**ESLN NC016 ESL Job Success: English to Succeed at a Job (0 Units)**
Hours: 30 (30 lecture)
This course helps beginning high and intermediate low ESL students excel in their current employment situation. Topics include speaking with a manager to clarify tasks, asking for time off, explaining goals, and asking how to achieve employment goals within a current employment situation. students learn cultural aspects and expectations of the workplace in the United States, including punctuality, dress code, customer service, and computer skills. Course restricted to 98 repetitions

**ESLN NC017 American Culture for ESL Students (0 Units)**
Hours: 26 (26 lecture)
Students learn about American culture and values through teacher-directed discussion and activities, conversations using idioms, readings and writings, and participation in an analysis of American culture. Students explore how famous American people, places and events influenced American values, beliefs, and attitudes and how they contributed to forming the American Dream. English used will be geared to beginning high and intermediate level ESL students. Course restricted to 98 repetitions

**ESLN NC018 Intermediate ESL Vocabulary (0 Units)**
Hours: 25 (25 lecture)
Students learn new vocabulary and usage for intermediate low and high English. Students will be able to express themselves more effectively with landlords, receptionists, doctors, teachers, and other community members. Some vocabulary topics include: family, school, professions, food, home, and clothing. Word decoding skills include: synonyms, antonyms, homophones, prefixes, and suffixes Course restricted to 98 repetitions

**ESLN NC019 Advanced ESL Vocabulary (0 Units)**
Hours: 26 (26 lecture)
Students learn new vocabulary and usage for advanced ESL. Students will be able to express themselves more effectively in workplace, business, and academic settings. Vocabulary topics include office, legal issues, community service, gardening, hospitality, customer service, and life events. Word decoding skills include synonyms, antonyms, Latin roots of words, homographs, eponyms for people and places, and the study of often confused and misused words. Course restricted to 98 repetitions

**ESLN NC01A ESL 1 - A: Beginning Low (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 1, beginning low courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Personal Information and Consumer Economics related to shopping and money. Course restricted to 98 repetitions

**ESLN NC01B ESL 1 - B: Beginning Low (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 1, beginning low courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Housing, Community Resources, and Health. Course restricted to 98 repetitions

**ESLN NC01C ESL 1 - C Beginning Low (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 1, beginning low courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Employment, Education, and Government and Law. Course restricted to 98 repetitions

**ESLN NC01D ESL 1 - D Beginning Low (0 Units)**
Hours: 50 (50 lecture)
Students learn to listen, speak, read and write in English at a beginning low level. Students increase social/cultural interactions to talk about housing, purchasing food, giving directions, and phone skills. Other topics include: government and law, national holidays, US presidents, describing a house, food labels, shopping lists, soft transferrable skills for employment, and learning strategies. Course restricted to 98 repetitions

**ESLN NC020 ESL Writing for Business (0 Units)**
Hours: 30 (30 lecture)
ESL intermediate/advanced students practice proper sentence and paragraph structure for business writing. Students create a binder of business writing for reference or as examples for future employers. Topics include target audience, organization and outline, revision, and practice with emails, business letters, resumes, summaries, and reports. Course restricted to 98 repetitions

**ESLN NC021 Creative Writing for ESL Learners: The Craft of Self-Expression (0 Units)**
Hours: 30 (30 lecture)
ESL intermediate high students learn to improve writing fluency through a variety of interactive writing exercises that address different elements of the craft. Through carefully designed English exercises, students practice different elements of style such as rhythm, sound, sentence length and syntax, passive and active voice, and adjectives and adverbs. Topics include family, relationships, places, racism, values, life changes, parents and children, work, and language barriers for second language learners. Students develop interpretative skills by reading examples of American fiction. Course restricted to 98 repetitions

**ESLN NC022 ESL Through Reading Literature (0 Units)**
Hours: 40 (40 lecture)
ESL intermediate and advanced level students will read stories and poems to expand vocabulary, reinforce grammar, improve writing and knowledge of culture. Course restricted to 98 repetitions

**ESLN NC023 ESL Idioms: Intermediate (0 Units)**
Hours: 25 (25 lecture)
Speaking skills using American English idioms related to daily life. Students gain confidence in verbal interaction and cultural assimilation by understanding and utilizing idioms effectively. Topics include idioms related to food, sports, colors, animals, the human body and verbs. Course restricted to 98 repetitions

**ESLN NC024 ESL Using Computer Programs (0 Units)**
Hours: 50 (50 lecture)
Students learn English in the computer lab by logging into pre-loaded English learner software of their choice. Students will progress step-by-step through level appropriate software programs. Students will learn to create passwords, navigate English learning programs, follow software prompts, while improving English fluency. Course restricted to 98 repetitions

**ESLN NC026 ESL Student Success - Intensive (0 Units)**
Hours: 30 (30 lecture)
Students learn to listen, speak, read and write in English at a beginning level to succeed in their academic and personal lives. Students increase awareness of resources and confidence to use English in the classroom and the community. Topics include goal setting, classroom communication, time management and organization, learning styles, test-taking skills, opportunities to practice English in the community, and technology. This course is designed for students who have limited experience with the US educational system. Course restricted to 98 repetitions

**ESLN NC027 Pathway to College Success for ESL Students (0 Units)**
Hours: 100 (100 lecture)
ESL advanced level students interested in transferring to credit campus will practice strategies for succeeding at college. Topics will include goal-setting, identifying obstacles to success, prioritizing assignments, creating, maintaining and utilizing a home study area and schedule, identifying and accessing on-campus assistance, developing a peer-support network, identifying and understanding the demands and rewards of college life, practicing test-taking strategies, and applying a cost/benefit analysis to attending college. Additionally, students will increase reading, writing, speaking, and listening skills in English. Course restricted to 98 repetitions

**ESLN NC028 Academic Skills for College Success for ESL Students (0 Units)**
Hours: 100 (100 lecture)
ESL advanced level students interested in transferring to credit campus will practice reading, writing, speaking, and listening skills in English at the level required to succeed in college. Topics will include essay writing, identifying types of writing, scan for information, public speaking, academic vocabulary, accessing college resources. Course restricted to 98 repetitions

**ESLN NC02A ESL 2 - A Beginning High (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 2, beginning high courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Personal Information and Consumer Economics related to shopping and money. Course restricted to 98 repetitions

**ESLN NC02B ESL 2 - B Beginning High (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 2, beginning high courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Housing, Community Resources, and Health. Course restricted to 98 repetitions

**ESLN NC02C ESL 2 – C Beginning High (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 2, beginning high courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Employment, Education, and Government and Law. Course restricted to 98 repetitions

**ESLN NC02D ESL 2 – D: Beginning High (0 Units)**
Hours: 50 (50 lecture)
Students learn to listen, speak, read and write in English at a beginning high level. Students gain skills to secure housing, food, and meals. Other topics include describing an issue with a rental unit to a landlord, identifying common containers and amounts of food, using proper language to order at a restaurant, and identifying simple traffic signs and symbols. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions

**ESLN NC037 Bridge to College for ESL Students (0 Units)**
Hours: 12 (12 lecture)
ESL students interested in transferring to the credit campus learn how to apply to the college and select and register for classes. Students will participate in a campus tour to learn about student support services on the credit campus, as well as strategies for time management and understanding credit class requirements. Course restricted to 98 repetitions

**ESLN NC038 English for Written Driving Test (0 Units)**
Hours: 15 (15 lecture)
Students learn to take the written driving test in English or Spanish while acquiring the essential vocabulary needed to understand the questions and answers. Students will follow the procedures for taking the test at the Department of Motor Vehicles (DMV) as well as learn the rules they must obey when driving in California. Course restricted to 98 repetitions

**ESLN NC03A ESL 3 - A Intermediate Low (0 Units)**
Same as: ESL NC03A
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 3, intermediate low courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Personal Information and Consumer Economics Course restricted to 98 repetitions

**ESLN NC03B ESL 3 - B Intermediate Low (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 3, intermediate low courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Housing, Community Resources, and Health. Course restricted to 98 repetitions

**ESLN NC03C ESL 3 – C Intermediate Low (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 3, intermediate low courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Employment, Education, and Government and Law. Course restricted to 98 repetitions

**ESLN NC03D ESL 3 – D: Intermediate Low (0 Units)**
Hours: 50 (50 lecture)
Students learn to listen, speak, read and write in English at an intermediate low level. Students expand ability to interact in the community, obtain food and housing, and understand local and federal laws. Other topics include interpreting diagrams, coupons, offers, maps, schedules, creating maps, giving directions, and creating a schedule, an ad, or a sign. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions

**ESLN NC040 Preparation for U.S. Naturalization-ESL (0 Units)**
Hours: 140 (140 lecture)
This class prepares immigrants to take the written and oral portions of the USCIS citizenship test in English. Topics include United States government, history, and vocabulary for the questions included in the test. Students learn to read, write, and comprehend the questions to answer verbally and appropriately to the interviewing officer. Course restricted to 98 repetitions

**ESLN NC041 ESL Student Success (0 Units)**
Hours: 10 (10 lecture)
Students learn to listen, speak, read, and write in English. Students acquire effective strategies and knowledge of resources to foster success and identify solutions when facing barriers to learning. Topics include class rules, materials for class, goal setting, motivational strategies, time management, problems and solutions, a campus tour, organization, learner persistence, and identification of community services that assist students. Grammar and vocabulary are incorporated through interviews, pair work, and question/answer interactions in class. Course restricted to 98 repetitions

**ESLN NC045 ESL/Pre-GED English (0 Units)**
Hours: 32 (32 lecture)
ESL students interested in transferring to the AHS/GED program will practice academic and language skills necessary to succeed in the high school/GED programs. Topics will include reading, academic writing, vocabulary building and learning strategies. Course restricted to 98 repetitions

**ESLN NC046 ESL Writing for Academic Success (0 Units)**
Hours: 50 (50 lecture)
Intermediate/advanced students practice effective writing of English with appropriate structure and mechanics to convey their ideas. Students employ varying writing formats such as personal and business letters, outlines and essays. Topics covered include sentence-level correctness, good paragraph structure, audience recognition, and good punctuation. Course restricted to 98 repetitions

**ESLN NC04A ESL 4 - A Intermediate High (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 4, intermediate high courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Personal Information and Consumer Economics. Course restricted to 98 repetitions

**ESLN NC04B ESL 4 - B Intermediate High (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 4, intermediate high courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Housing, Community Resources, and Health. Course restricted to 98 repetitions

**ESLN NC04C ESL 4 – C: Intermediate High (0 Units)**
Hours: 90 (90 lecture)
One in a series of a three-course certificate of competency in noncredit English as a Second Language (ESL). Level 4, intermediate high courses are designed to support English Language Learners and adult immigrants in developing the vocabulary, reading, writing, speaking, and listening skills needed for living and working in the United States and in the local community. This contextualized ESL course integrates academic and employability skills and explores the topics of Employment, Education, Government and Law. Course restricted to 98 repetitions

**ESLN NC04D ESL 4 – D: Intermediate High (0 Units)**
Hours: 50 (50 lecture)
Students learn to listen, speak, read and write in English at an intermediate high level. Students expand ability to interact in social/cultural situations, including skills in decision making, team work, and the ability to integrate fully into the community. Topics include planning for additional educational opportunities (vocational certificates, two-year degrees, or additional computer training.) Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions

**ESLN NC050 ESL/Pre-GED Mathematics (0 Units)**
Hours: 32 (32 lecture)
ESL students interested in transferring to the AHS/GED program will gain knowledge of Pre-GED mathematical concepts necessary to succeed in the Adult High School/GED programs. Course restricted to 98 repetitions

**ESLN NC30A Vocational ESL Child Care, Module A (0 Units)**
Hours: 60 (60 lecture)
Module A of a two part module course for the Vocational ESL Child Care Certificate prepares low level ESL students for a career in childcare, with special emphasis on vocabulary and entry level skill acquisition as well as familiarity with common phrases for interacting with English speaking customers. Topics include: basic childcare vocabulary, communicating about child care, preventing incidents, reporting incidents, and treating illnesses and injuries. Course restricted to 98 repetitions

**ESLN NC30B Vocational ESL Child Care, Module B (0 Units)**
Hours: 60 (60 lecture)
Module B of a two part module course for the Vocational ESL Child Care Certificate prepares low level ESL students for a career in childcare, with special emphasis on vocabulary and entry level skill acquisition as well as familiarity with common phrases for interacting with English speaking customers. Module B topics include: infant development, toddler development; preschooler development; and school-age child development. Course restricted to 98 repetitions

**ESLN NC31B Vocational English for Food Services Employment-Module B (0 Units)**
Hours: 30 (30 lecture)
Students learn the English language words and expressions necessary to succeed in the food service industry in restaurants, catering, room service, hospitals, small groceries, and retirement communities. Students practice beginning level listening, speaking, reading, and writing skills. Topics include greeting customers, handling complaints, workplace safety, food safety and handling, employer expectations, and preparation for job interviews. This is the second of a two-part SBCC CE certificate. Course restricted to 98 repetitions

**ESLN NC32A Vocational English for Construction Employment-Module A (0 Units)**
Hours: 25 (25 lecture)
Students practice English listening, speaking, reading, and writing skills at a beginning level to succeed as a construction worker. Students acquire English vocabulary, grammar, and expressions relating to construction. Topics include types of construction jobs, pay scales, goal setting, and how to talk about tools, safety, design/ layout of structures, green building, and emergency response. This is the first of a two part SBCC CE certificate. Course restricted to 98 repetitions

**ESLN NC32B Vocational English for Construction Employment-Module B (0 Units)**
Hours: 25 (25 lecture)
Students practice English listening, speaking, reading, and writing skills at a beginning level to succeed as a construction worker. Students acquire English vocabulary, grammar, and expressions relating to construction. Topics include oral and written communication on the job, following protocol, impact of negative behaviors, leadership skills, job applications, and interviews. This is the second of a two part SBCC CE certificate. Course restricted to 98 repetitions

**ESLN NC33A Vocational ESL Healthcare, Module A (0 Units)**
Hours: 50 (50 lecture)
Module A of a two part module course for the Vocational ESL Healthcare Certificate helps prepare intermediate to advanced level ESL students for success in healthcare certificate courses such as Medical Assistant and Personal Care Attendant, with special emphasis on English skills needed to communicate in the healthcare field. Module A topics include: health careers, the patient, basic duties, facilities, nutrition, communication, office skills, measurements, and job readiness. Course restricted to 98 repetitions

**ESLN NC33B Vocational ESL Healthcare, Module B (0 Units)**
Hours: 50 (50 lecture)
Module B of a two part module course for the Vocational ESL Healthcare Certificate helps prepare intermediate to advanced level ESL students for success in healthcare certificate courses such as Medical Assistant and Personal Care Attendant. There is special emphasis placed on the English skills needed to communicate in the healthcare field. Module B topics include: communication, safety, medical emergencies, first aid, sanitation, anatomy, vision care, illness, medication, and vital signs. Course restricted to 98 repetitions

**ESLN NC34B Vocational English for Housekeeping Employment-Module B (0 Units)**
Hours: 30 (30 lecture)
Students practice beginning level English listening, speaking, reading and writing skills to apply for, obtain employment and succeed as a housekeeper in a hotel, educational facility, hospital, retirement community, business or private residence. Topics include communication with clients and co-workers, health and safety rules, maintenance, accidents and damage reporting, employment handbooks and protocols, job applications and interviews. This is the second of a two part SBCC CE certificate. Course restricted to 98 repetitions

**ESLV NC30A Vocational ESL Childcare: Module A (0 Units)**
Hours: 60 (60 lecture)
Module A of a two part module course for the Vocational ESL Child Care Certificate prepares low level ESL students for a career in childcare, with special emphasis on vocabulary and entry level skill acquisition as well as familiarity with common phrases for interacting with English speaking customers. Topics include: basic childcare vocabulary, communicating about child care, preventing incidents, reporting incidents, and treating illnesses and injuries. Course restricted to 98 repetitions

**ESLV NC30B Vocational ESL Childcare, Module B (0 Units)**
Hours: 60 (60 lecture)
Module B of a two part module course for the Vocational ESL Child Care Certificate prepares low level ESL students for a career in childcare, with special emphasis on vocabulary and entry level skill acquisition as well as familiarity with common phrases for interacting with English speaking customers. Module B topics include: infant development, toddler development; preschooler development; and school-age child development. Course restricted to 98 repetitions

**ESLV NC33A Vocational ESL Healthcare: Module A (0 Units)**
Hours: 50 (50 lecture)
Module A of a two part module course for the Vocational ESL Healthcare Certificate helps prepare intermediate to advanced level ESL students for success in healthcare certificate courses such as Medical Assistant and Personal Care Attendant, with special emphasis on English skills needed to communicate in the healthcare field. Module A topics include: health careers, the patient, basic duties, facilities, nutrition, communication, office skills, measurements, and job readiness. Course restricted to 98 repetitions

**ESLV NC33B Vocational ESL Healthcare, Module B (0 Units)**
Hours: 50 (50 lecture)
Module B of a two part module course for the Vocational ESL Healthcare Certificate helps prepare intermediate to advanced level ESL students for success in healthcare certificate courses such as Medical Assistant and Personal Care Attendant. There is special emphasis placed on the English skills needed to communicate in the healthcare field. Module B topics include: communication, safety, medical emergencies, first aid, sanitation, anatomy, vision care, illness, medication, and vital signs. Course restricted to 98 repetitions

**ESLV NC35A Vocational ESL Landscaping and Gardening, Part I (0 Units)**
Hours: 20 (20 lecture)
First in a series of a two-course Vocational ESL Landscaping Certificate designed to support high-beginning and intermediate ESL students with the vocabulary, reading, writing, speaking and listening skills needed for success in the Green Gardener Certificate Program and for interactions with English-speaking landscaping customers. Course restricted to 98 repetitions

**ESLV NC35B Vocational ESL Landscaping and Gardening, Part II (0 Units)**
Hours: 20 (20 lecture)
Second in a series of a two-course Vocational ESL Landscaping Certificate designed to support high-beginning and intermediate ESL students with the vocabulary, reading, writing, speaking and listening skills needed for success in the Green Gardener Certificate Program and for interactions with English-speaking landscaping customers and employers. Course restricted to 98 repetitions

# School of Extended Learning: Health and Safety

Health and Safety courses focus on lifelong education to promote health, safety and the well-being of individuals, families, and communities.  Health and Safety topics include nutrition, alternative medicine, naturopathy, and pain management.

**To view the current schedule of noncredit classes,** click here **(**https://www.sbcc.edu/extendedlearning/healthsafety.php**).**

**You will be taken to the web schedule page. Highlight the semester you want to search and click the "select" button. Then highlight the subject you wish to search and click the "search" button to view classes within that subject.**

**For assistance with application and registration, please** click here **(**https://www.sbcc.edu/extendedlearning/apply-reg.php**) or connect in person at the Main Office of Wake or Schott campuses.**

For more information about programs or content, please contact Rachel Walsh, Interim Director at rewalsh1@pipeline.sbcc.edu or Lisa Draper, Administrative Assistant at ladraper1@pipeline.sbcc.edu.

# Courses

**HEAL NC001 The Meridians of Acupressure (0 Units)**
Hours: 20 (20 lecture)
The meridians of acupressure are pathways of energy circulating in the body along which acu-points are located. Students learn the names, locations and functions of the meridians, how to assess the quality of the energy within each, and how to bring that energy into balance. The Theory of Five Elements relates the meridians to universal energy and is presented with a special focus on balancing emotions and maintaining radiant health. Students practice acupressure treatments and slow meditative exercises in class. Course restricted to 98 repetitions

**HEAL NC009 Nutrition for Longevity (0 Units)**
Hours: 14 (14 lecture)
Students learn how wholesome food can increase our quality of life and extend it. Focuses on what to eat, how to select and prepare nutritious food, and when and how to enjoy it. Topics also include the food choices and lifestyle of the centenarians who live in the " Blue Zones." Students discover which foods contain antioxidants that reduce inflammation and why eating them is recommended. Course restricted to 98 repetitions

**HEAL NC011 Health and Wellness for Older Adults: Active Body, Active Mind (0 Units)**
Hours: 20 (16 lecture, 4 lab)
Course includes assessment of the processes of aging and the importance of exercise and nutrition in maintaining independence, safety and well being. Emphasis will be placed on cognitive and physical exercise, diet, stress reduction, disease and injury prevention and consumer health information. Course restricted to 98 repetitions

**HEAL NC016 Overcoming Barriers to Managing Your Weight (0 Units)**
Hours: 14 (14 lecture)
The older adult student will learn what it means to establish or maintain a 'healthy' weight, and also explore healthy food choices, recipes and lifestyle choices that can help support a healthier, more vibrant lifestyle. Learning to take care of ourselves should be an enjoyable endeavor, something that brings us inspiration, spurs curiosity and adventure, and gives us a sense of our place in the world. This motivating, interactive class is appropriate for all body types, diet histories, and eating issues. Course restricted to 98 repetitions

**HEAL NC017 Ayurvedic Medicine (0 Units)**
Hours: 12 (12 lecture)
Using principles of Ayurvedic medicine, students learn the basics of constitutional diagnosis and traditional methods for restoring balance. The natural healing system of ancient India, known as Ayurveda or "the science of life," is the foundation of all Oriental systems of medicines. In this class, students match individual needs to a holistic program including diet, herbs, body work, acupuncture, and psycho-spiritual practice. Course restricted to 98 repetitions

**HEAL NC023 Applications of Aromatherapy (0 Units)**
Hours: 12 (12 lecture)
Aromatherapy is a form of alternative medicine that uses plant-based essential oils and other aromatic compounds to improve a person's mood, cognitive function, or health. Students learn to decrease tension and stress by using fragrant botanical essences for massage, baths, meditation, and relaxation. Fragrances to increase energy, enhance positivity, and address simple ailments will also be explored. Course restricted to 98 repetitions

**HEAL NC024 Acupressure - Simple Patterns for Pain Relief and Relaxation (0 Units)**
Hours: 16 (16 lecture)
Teaches simple acupressure patterns for pain relief and relaxation. Topics include theory and practice of acupressure as a healing art, types of acupressure (shiatsu) and reflexology. Students discover how physical and emotional harmony improve as the internal flow of energy is balanced. Empowers students to manage stress and tension for well-being. Students are encouraged to bring a pad or blanket and wear comfortable clothing. Course restricted to 98 repetitions

**HEAL NC025 Your Nutrition and the Environment (0 Units)**
Hours: 12 (12 lecture)
Class will discuss the selection and preparation of meals and provide community and national resources that support healthy and environmentally sustainable diets. Topics include evaluating grass fed and pasture raised meat and dairy, sustainable fish, local and/or organic products, and the effect of diet on global warming. Students learn how 'earth friendly foods' can improve physical and emotional health and protect the safety of food producers. Class includes a tour of a farm. Course restricted to 98 repetitions

**HEAL NC027 Tongue Diagnosis According to Chinese Medicine (0 Units)**
Hours: 10 (10 lecture)
This class teaches students to interpret features on the tongue surface and identify dietary and lifestyle factors that affect it. Students learn how to adjust their diet in order to correct these imbalances. Using knowledge based on six thousand years of clinical experience, students learn what to look for on the tongue, what changes to look for, what imbalances each change represents, and how to improve their health with proper nutrition as reflected in the tongue. Course restricted to 98 repetitions

**HEAL NC028 Ancient Chinese Medicine in Modern Times (0 Units)**
Hours: 10 (10 lecture)
This course explores the ancient Chinese understanding of health conditions and applies this perspective to modern, frequently experienced health issues. Students gain a new, though ancient, perspective on problematic and difficult to treat health issues. Topics include successfully treating menopause, weight gain and fertility issues, the science of acupuncture, and enhancing the immune system. Course restricted to 98 repetitions

**HEAL NC036 Chinese Medicine First Aid Kit (0 Units)**
Hours: 10 (10 lecture)
This course teaches effective ancient herbal remedies for common health problems such as colds/flu, headaches, constipation, diarrhea, burns, muscular skeletal spasms, and strains. Students learn how to effectively self-administer acupressure and "moxa" treatments. This class also teaches how to maintain good health and strengthen the immune system by applying the principles of Chinese medicine. Course restricted to 98 repetitions

**HEAL NC039 The Five Elements of Chinese Medicine (0 Units)**
Hours: 10 (10 lecture)
This class teaches students how to use the five elements of Chinese medicine (wood, water, fire, earth, and metal) to improve health. Students learn how specific emotions, colors, flavors and seasons, affect certain organs. Topics include how to make better food choices based on the five elements. Course restricted to 98 repetitions

**HEAL NC055 Touch for Health Plus (0 Units)**
Hours: 20 (20 lecture)
In this course students learn basic Touch for Health techniques for natural health care, as well as self-care tips for attaining optimal health and physical performance. Benefits include improved posture and balance, increased energy, tension and cramp relief, emotional and physical stress reduction, and relief of pain without drugs. This class includes a holistic overview of the human body and is taught by certified Touch for Health instructors and health educators. Course restricted to 98 repetitions

**HEAL NC068 Sit and Get Fit (0 Units)**
Hours: 20 (20 lecture)
This "everyone-can-do" body/mind class helps encourage and improve mobility, flexibility, strength, balance, posture, breathing and relaxation. Exercising from a seated position makes it ideal for, but not limited to, those challenged with Parkinson's, multiple sclerosis, arthritis or for adults new to exercise. Special consideration for participant needs makes this class useful and unique to each individual. Develop attitudes and learn techniques that work for you. Make this fun, light-hearted approach to exercise a weekly highlight. Course restricted to 98 repetitions

**HEAL NC082 Healing With Therapeutic Touch (0 Units)**
Hours: 12 (12 lecture)
This course teaches students how to balance the body's subtle energy fields for healing using therapeutic touch. Students learn techniques for working with subtle energy fields including electro-magnetic, vital and auric fields, and the chakras. Topics include how to clear own energy, release emotions and thoughts, ground and center the self, and expand intuition. Course restricted to 98 repetitions

**HEAL NC092 Body-Mind Medicine: Brain Longevity (0 Units)**
Hours: 14 (14 lecture)
Class teaches how the body-mind complex can maintain healthy balance or be responsible for disease. Students learn that living with physical or emotional stressors increases our risk of depression, anxiety and common physical ailments. Topics include the psychosomatics of everyday life, including the relationship between stressors, regulatory peptides (hormones, prostaglandins, and neurotransmitters). Medical evidence has found various means of restoring emotional balance, including psychotherapy, herbs, nutrition, yoga, homeopathy, and prayer. Course restricted to 98 repetitions

**HEAL NC095 Nature's Defenses: Exploring the Immune System (0 Units)**
Hours: 10 (10 lecture)
In this class, students learn how the immune system works, including its physiology when in a healthy, balanced state. Students learn about foods, nutritional and herbal medicines, and exercises that enhance health and balance, as well as substances and behaviors that depress the immune system. The pros and cons of vaccinations are also discussed. Course restricted to 98 repetitions

**HEAL NC096 Naturopathic Medicine - Science and Nature Working Together (0 Units)**
Hours: 12 (12 lecture)
Students learn how diet, clinical nutrition, lifestyle and state of mind influence genetic expression and cell communication. Naturopathic medicine, which integrates Western knowledge of medical science with traditional healing techniques, is based on the principle that the body-mind complex is continually exercising its ability for self-healing. The body recognizes food as the best source of nutrients essential to physical and mental well-being. Students learn principles of nutritional biochemistry to learn which foods provide benefits and which foods to avoid. Course restricted to 98 repetitions

**HEAL NC127 Chinese Medicine/Techniques to Determine Your Optimal Diet (0 Units)**
Hours: 16 (16 lecture)
This class teaches students to interpret features on the tongue surface and identify dietary and lifestyle factors that affect it. Students learn how to adjust their diet in order to correct these imbalances. Using knowledge based on six thousand years of clinical experience, students learn what to look for on the tongue, what changes to look for, what imbalances each change represents, and how to improve their health with proper nutrition as reflected in the tongue. Course restricted to 98 repetitions

**HEAL NC182 Mobilizing Your Healing Force (0 Units)**
Hours: 12 (12 lecture)
Students learn to use writing as a way of healing from emotional and/or physical pain resulting from chronic illness, loss of a loved one or other traumatic events. Students participate in guided writing activities in response to prompts from authors who have used writing as a way of healing. Students set goals of self-expression, opening, and healing and benefit from open avenues of communication in a safe environment. Students share reflections, thoughts and feelings, resulting in improved immune response. Course restricted to 98 repetitions

# School of Extended Learning: Home Economics

Home Economics is offered tuition-free to community members and provides a welcoming and engaging environment for students of all levels. Students develop mental acuity and physical dexterity while learning and honing new skills by constructing projects.

**To view the current schedule of noncredit classes,** click here **(**https://www.sbcc.edu/classes/**).**

**You will be taken to the web schedule page. Highlight the semester you want to search and click the "select" button. Then highlight the subject you wish to search and click the "search" button to view classes within that subject.**

 **For assistance with application and registration, please** click here **(**http://sbcc.edu/extendedlearning/apply-reg.php**) or connect in person at the Main Office of Wake or Schott campuses.**

For more information about programs or content, please contact Rachel Walsh, Interim Director at rewalsh1@pipeline.sbcc.edu or Lisa Draper, Administrative Assistant at ladraper1@pipeline.sbcc.edu.

## Courses

### HMEC NC902 Beginning Knitting (0 Units)
Hours: 30 (10 lecture, 20 lab)
The older adult student will learn basic knitting techniques and make simple projects to practice techniques. Class will help students improve manual dexterity, concentrate on detail, and enhance socialization skills. Course restricted to 98 repetitions

### HMEC NC906 Individualized Sewing (0 Units)
Hours: 30 (10 lecture, 20 lab)
This class is designed for the student who has a desire to learn to sew and/or improve their sewing skills. Students will be guided through the techniques necessary to construct a project of their choice. Projects will provide the opportunity for creativity, achievement and success through a combination of theory and practical experience. Course restricted to 98 repetitions

### HMEC NC922 Beginning Quiltmaking (0 Units)
Hours: 30 (10 lecture, 20 lab)
Course for older adults who have never quilted and those who want to develop basic quiltmaking skills. Older adults will learn the fundamentals of quiltmaking while constructing a small sampler quilt. Traditional and contemporary techniques of piecing, appliqué and quilting are covered. Course restricted to 98 repetitions

### HMEC NC943 Patchwork and Quilting (0 Units)
Hours: 30 (10 lecture, 20 lab)
Course develops skills introduced in Beginning Quiltmaking. Intermediate techniques are introduced and beginning-level techniques are reviewed. Older adults will learn various quiltmaking techniques and each term focuses on a specialized quilting style, subject or theme. Course restricted to 98 repetitions

### HMEC NC950 Knitting Workshop (0 Units)
Hours: 30 (10 lecture, 20 lab)
For older adult students that knit or would like to learn how to knit. This workshop offers an opportunity for beginners to learn to knit and for experienced knitters to conquer problems, learn new techniques and increase confidence and ability in knitting. Begin or complete projects and to receive expert personal attention in the craft of knitting in a supportive and relaxing atmosphere. Course restricted to 98 repetitions

### HMEC NC968 Sewing Tips and Techniques (0 Units)
Hours: 30 (10 lecture, 20 lab)
Students will learn to sew or refine their sewing skills. Class provides an opportunity to dedicate time for your sewing projects and receive help with a specific project. This class for all levels offers individualized and group instruction in sewing based on the interest of the students. Tips and techniques in sewing garments, accessories, quilts, home decorating projects and creative sewing will be covered. Course restricted to 98 repetitions

### HMEC NC992 Quilters Workshop (0 Units)
Hours: 30 (10 lecture, 20 lab)
Students create quilts and quilted items while reviewing and perfecting basic quilting techniques of cutting, piecing, setting, basting, quilting and binding. Individualized instruction from an experienced teacher allows students of diverse abilities to apply techniques to projects of their own choosing. Course restricted to 98 repetitions

### HMEC NC995 Sewing Studio (0 Units)
Hours: 30 (10 lecture, 20 lab)
Students will learn to sew or refine their sewing skills. Course provides an opportunity to dedicate time for sewing projects and receive help with a specific project. This class for all levels offers individualized and group instruction in sewing based on the interest of the students. Tips and techniques in sewing garments, accessories, quilts, home decorating projects and creative sewing will be covered. Course restricted to 98 repetitions

### HMEC NC997 Knitting Beyond the Basics (0 Units)
Hours: 30 (10 lecture, 20 lab)
Designed to help older adult students with basic knitting skills learn new techniques and finishing methods. Techniques include laces, cables, color knitting, smocking and circular knitting. Course includes new finishing methods and fixing mistakes without ripping. Provides the older adult student a relaxed enjoyable environment to develop new skills and enhance socialization while working with fellow students. Course restricted to 98 repetitions

# School of Extended Learning: Older Adults

Courses for Older Adults are offered tuition-free to community members and offer a wide variety of topics taught by skilled professionals in each subject. Our classes are specifically designed for adults age 55 and over, and offer a welcoming and engaging environment for students of all levels. Students develop mental acuity and physical dexterity while learning and honing new skills in a variety of topics.

**To view the current schedule of noncredit classes,** click here **(**https://www.sbcc.edu/classes/**).**

**You will be taken to the web schedule page. Highlight the semester you want to search and click the "select" button. Then highlight the subject**

**you wish to search and click the "search" button to view classes within that subject.**

**For assistance with application and registration, please** click here (https://www.sbcc.edu/extendedlearning/apply-reg.php**) or connect in person at the Main Office of Wake or Schott campuses.**

For more information about programs or content, please contact Rachel Walsh, Interim Director at rewalsh1@pipeline.sbcc.edu or Lisa Draper, Administrative Assistant at ladraper1@pipeline.sbcc.edu.

# Creative Art
# Creative Art Courses

### CRAO NC101 Beginning Oil Painting: For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
Basic oil painting skills are explored through practice and demonstration for the older adult. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful oil paintings. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes. Frequent review of new concepts occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

### CRAO NC102 Painting the Pictures of Health: For Older Adults (0 Units)
Hours: 16 (8 lecture, 8 lab)
This course allows older adult students to explore the regenerative benefits of creating art for enjoyment, relaxation, and enhanced quality of life. A gentle, guiding course of painting instruction using water color, collage, and drawing helps the older adult student express and refresh their outlook on life while healing. Students learn traditional as well as imaginative interpretations of still-life, landscape, symbols, and can pursue areas of personal interest. Course restricted to 98 repetitions

### CRAO NC106 Exploring Watercolor For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
Designed to enhance, improve and increase the older adult's knowledge and skills in watercolor painting. Students receive lessons in color theory, value, composition and a multitude of watercolor techniques. Older adults can improve hand-eye coordination and retention of information and theory by taking this course. Course restricted to 98 repetitions

### CRAO NC107 Oil and Acrylic Painting: For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
Students gain an understanding of color, design, and texture. The older adult students exercise memory, critical thinking skills, and manual dexterity as they learn novel painting applications. Students learn to see oil and acrylic painting in a new, inspired way through the exploration of unique approaches that incorporate various parts of the brain. Course restricted to 98 repetitions

### CRAO NC112 Keeping an Art Journal: For Older Adults (0 Units)
Hours: 30 (10 lecture, 20 lab)
This course teaches older adults how to develop an art journal. Older adults will record their daily lives through the use of mixed media techniques in collage, painting and writing. Course restricted to 98 repetitions

### CRAO NC115 Color Exploration: For Older Adults (0 Units)
Hours: 28 (12 lecture, 16 lab)
Color interaction is thoroughly explored through practice and demonstration. Seeks to coordinate the creative process with the fundamental skill set necessary to make successfully utilize color. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio-arts classes for the older adult. Frequent review of new concepts occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

### CRAO NC122 Composition and Design: For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
Older adult students learn design principles in art, and at the same time, practice communication, self-confidence and critical thinking skills. By studying principles of design, composition, perspective and color theory, students develop abstract thinking and creative decision making, and learn the non-verbal language of art. Course restricted to 98 repetitions

### CRAO NC124 Beginning Outdoor Sketching in Pen, Ink and Watercolor: For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
Personalized instruction focuses on composition, simplifying perspective, color and style. The older adult student learns how adding color to ink sketches can transform even the simplest subject into a work of art while using Santa Barbara's picturesque scenes as subject matter. Increases student's observational skills by focusing on the visual details of the immediate and community environment. Course restricted to 98 repetitions

### CRAO NC126 Splashing Watercolor: For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
Through lecture, demonstrations and examples, the older adult student learns a variety of approaches and techniques to watercolor. Older adult students exercise cognitive and social skills working and communicating with their peers. Students learn a variety of styles, color theory and composition. The class includes a strong emphasis on color and light. Students receive individual and group attention and critiques. Course restricted to 98 repetitions

### CRAO NC135 Art and the Environment: For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
Older adult students enhance their landscape painting skills and learn about the importance of Santa Barbara's endangered landscapes. Students develop creativity, improve concentration, problem solving, decision-making skills, and mental focus, and enhance fine motor skills through composition of paintings and the manipulation of drawing and painting tools. Instruction in oils, pastels and watercolor, however, any medium and all skill levels are welcomed. Most classes will meet directly on location. Course restricted to 98 repetitions

### CRAO NC138 Painting in Acrylic: For Older Adults (0 Units)
Hours: 24 (8 lecture, 16 lab)
The older adult student uses acrylics to experiment and create rich vibrant paintings. Color theory is explored, composition and design principles are discussed, as the student creates a series of individual paintings, increasing ability to retain and apply knowledge, increase facility with using tools, and enhance visual focus and attention to detail and structure. Course restricted to 98 repetitions

**CRAO NC142 Watercolor and the Great Outdoors: For Older Adults (0 Units)**

Hours: 30 (10 lecture, 20 lab)

Basic watercolor painting skills are explored while appreciating nature. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful nature paintings en plein air. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio-arts classes for the older adult. Frequent review of new concepts will occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC146 Intermediate and Advanced Painting: For Older Adults (0 Units)**

Hours: 30 (10 lecture, 20 lab)

Focuses on creating a complex understanding of concepts and techniques in painting across a range of media. Advanced painting techniques are explored through practice and demonstration. Seeks to coordinate the creative process with a complex technical skill set necessary to make successful paintings. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio-arts classes for the older adult. Frequent review of new concepts occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC153 Light and Shadow in Art: For Older Adults (0 Units)**

Hours: 24 (8 lecture, 16 lab)

This course teaches older adults the fundamentals of light and shadow in painting. Technical skills in the use of oils, acrylics, and watercolors, are utilized to capture the quality of light and color relationships on a two-dimensional surface. Older adults improve fine motor skills and hand eye coordination through weekly application of skills learned. Course restricted to 98 repetitions

**CRAO NC154 Beginning Watercolor, Painting with the Flow: For Older Adults (0 Units)**

Hours: 24 (8 lecture, 16 lab)

Covers color mixing and color theory, composition, the elements of design and how to make your paintings come to life by utilizing the effects of light and shadow. Older adults/students are encouraged to paint freely and discover individual style. Includes painting demonstrations and creative warm-up exercises. Improves retention and application of knowledge and theory, ability to notice details in light and shadow, and enhances self-confidence and socialization skills. Course restricted to 98 repetitions

**CRAO NC156 Botanical Illustration: For Older Adults (0 Units)**

Hours: 30 (10 lecture, 20 lab)

Focuses on the specific history and techniques associated with depicting flora. Basic botanical illustration skills are acquired and understood through practice and demonstration. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful paintings in this specific genre. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes for the older adult. Course restricted to 98 repetitions

**CRAO NC165 Basic Printmaking: For Older Adults (0 Units)**

Hours: 30 (10 lecture, 20 lab)

The older adult student will learn the history of printmaking and the necessary technical skills to create, revise and assess an original print. Topics include relief and color reduction prints, intaglio, collagraphs, solarplates and monotypes. Course restricted to 98 repetitions

**CRAO NC168 Pastels-A Class in Color & Technique: For Older Adults (0 Units)**

Hours: 26 (10 lecture, 16 lab)

Basic oil pastel skills are explored. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful drawings in this specific medium. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio-arts classes for older adults. Frequent review of new concepts will occur through lectures and demonstrations. The pace of demonstrations and lectures is suited to the needs and abilities of individual students. Peer critique will be utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC169 New Techniques in Painting and Mixed Media: For Older Adults (0 Units)**

Hours: 24 (8 lecture, 16 lab)

Older adult students combine a variety of new painting techniques with mixed media to create fascinating art forms, exercising ability to think in new and creative ways. Students develop a body of significant work and enhance fine skills in a novel way through the freedom of mastering painting expression with embellished applications of three-dimensional textures. Students improve ability to retain and analyze information and apply it to painting, increasing emotional well-being through newfound perceptions in art. Works of Rauschenberg, Jasper Johns, de Kooning and others will be analyzed. Course restricted to 98 repetitions

**CRAO NC180 Layering Color, Capturing Light: Beginning in Watercolor: For Older Adults (0 Units)**

Hours: 24 (8 lecture, 16 lab)

The older adult student discovers how to make bright, loose, free-flowing paintings filled with light and color using layers of transparent watercolor and white paper. Students use paper, paints, water and brushes and experiment with color to create interpretive florals, landscapes and abstracts. Older adult students of all levels are welcome in this slow, relaxed approach to the medium. Features demonstrations plus time for personalized instruction in the basics of dynamic composition, value control, color temperature and color mixing. Enhances visual focus on detail, color and composition and retention of information. Course restricted to 98 repetitions

**CRAO NC182 Portrait Drawing and Painting: For Older Adults (0 Units)**

Hours: 30 (10 lecture, 20 lab)

Focuses on capturing a likeness through a variety of drawing and painting media. Basic portrait drawing and painting skills are explored through practice and demonstration. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful paintings and drawings. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes. Frequent review of new concepts will occur through lectures and demonstrations. The pace of demonstrations and lectures will be suited to the needs and abilities of the older adult student. Peer critique will be utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC184 Collage and Mixed Media: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
This course teaches older adults the art history, composition, and hands-on techniques for collage, assemblage, and mixed media. Older adults will maintain or improve dexterity and mental acuity through the weekly completion of collage and mixed media projects, emphasizing the principles and elements of composition. Course restricted to 98 repetitions

**CRAO NC190 Abstract Painting: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
An abstract approach to painting is explored. Seeks to coordinate the creative process with a complex technical skill set necessary to make successful abstract paintings. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes for the older adult. Frequent review of new concepts occurs through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC192 Art a la Carte: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
A study in painting in oils on canvas with brush and palette-knife. The older adult student learns a variety of styles in painting including representational, impressionism, post-impressionism, cubism and abstract expressionism (non-objective and geometric). They will receive both group and individual guidance, and the assignments will include a variety of subject matter. Some of the assignments are in coordination with local the museum. Students are also encouraged to do some original painting of their own choosing. Can improve focus on visual detail, retention and understanding of information, and manual dexterity in using painting tools. Course restricted to 98 repetitions

**CRAO NC193 Artist's Open Studio: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students identify and examine personal interests and aptitudes in the arts. Students of all levels sketch and paint in an open lab setting assimilating the principles and ideas derived from studying master artists and viewing great works of art. Course restricted to 98 repetitions

**CRAO NC211 Beginning Drawing: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Focuses on developing foundational techniques of drawing as an artistic expression. Basic drawing skills are explored through practice and demonstration. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful drawings. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes for older adults. Frequent review of new concepts occurs through lectures and demonstrations. The pace of demonstrations and lectures is suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC218 Figure Drawing: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Beginning and intermediate level older adult students have the opportunity to draw directly from a live model for three hours. Older adults develop manual dexterity and coordination and benefit from brain enhancing, creative self-expression. Individualized instruction is provided to address student's diverse learning styles and abilities. Course restricted to 98 repetitions

**CRAO NC220 Printmaking Like a Pro: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students explore a variety of drypoint printmaking processes in both intaglio and relief formats. Students develop creative self-expression, exercise manual dexterity, and enhance mental acuity while using printmaking tools, equipment, papers, and inks. Course restricted to 98 repetitions

**CRAO NC226 Figure Drawing and Painting: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Basic figure drawing and painting skills are explored. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful two dimensional work based on observation of the human figure. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio-arts classes for the older adult. Frequent review of new concepts occurs through lectures and demonstrations. The pace of demonstrations and lectures is suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC243 Figure Portrait Drawing Studio for Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Basic drawing instruction for beginners and mature older adult artists who seek to improve their skills in portraiture using dry media such as pastel, charcoal, pencil, and crayon, face to full figure, working from the model. Longer poses will allow time to create a finished picture. Lessons include gesture drawing, form, contour drawing and composition. Includes demonstrations and individual critique by the instructor. Improves dexterity, focus on visual detail, and socialization skills. Course restricted to 98 repetitions

**CRAO NC252 Drawing for the True Beginner: For Older Adults (0 Units)**
Hours: 44 (24 lecture)
This course teaches older adults basic drawing skills and techniques. The class focuses on the needs of students who have never drawn, teaching them to see and record observations on paper with the use of pencils, charcoal, and pastel. Course restricted to 98 repetitions

**CRAO NC258 Figure Drawing: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Beginning and intermediate level older adult students have the opportunity to draw directly from a live model . Older adults develop manual dexterity and coordination and benefit from brain enhancing, creative self-expression. Individualized instruction is provided to address student's diverse learning styles and abilities. Course restricted to 98 repetitions

**CRAO NC277 Beginning Drawing, Introduction to the Human Figure: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Beginning level older adult students have the opportunity to draw directly from a live model for three hours. Older adults develop manual dexterity and coordination and benefit from brain enhancing, creative self-expression. Course restricted to 98 repetitions

**CRAO NC356 Beginning Stone Carving: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Older adult students will learn the fundamentals of stone carving through practice and demonstration, focusing on the basic techniques of carving. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful work using hand tools to carve alabaster. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes. Frequent review of new concepts will occur through lectures and demonstrations. The pace of demonstrations and lectures is suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem-solving. Course restricted to 98 repetitions

**CRAO NC422 Bead Creations I: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Students design jewelry and learn essential techniques for making beaded jewelry, including crimping and plain and wrapped loops. Older adults exercise manual dexterity, develop core body strength, and improve cognitive function such as focus and retention of information. Topics include types and history of beads, sources for beads, and design ideas. Course designed for beginning older adult student. Course restricted to 98 repetitions

**CRAO NC433 Southwest Style Jewelry: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students will receive instruction on how to use various jewelry making tools and equipment to create Southwest style jewelry. Students will improve mental focus and physical dexterity, exercise creative self-expression, and benefit from social engagement in a group activity. Course restricted to 98 repetitions

**CRAO NC434 Specialized Jewelry Techniques: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students learn the technical and challenging processes used in art jewelry. Techniques may include but are not limited to one of to one of the following: roller printing and stamping, hydraulic press, repoussage and chasing, chain making, filigree, fabric techniques in metal, engraving, metal inlay, etching, reticulation, fusing, granulation, mokume gane and metal lamination, cold connections, boxes and lockets, bone carving and hanging, keum boo, stone setting or coloring metals. Course restricted to 98 repetitions

**CRAO NC436 Enameling-Glass on Metal: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Introduction to the ancient art of enameling on metal as a jewelry making technique. Older adult students will exercise physical dexterity and cognitive skills and develop creativity to assist with the aging process. Students learn the basic principles of enameling by applying and melting powdered glass on to the surface of copper or silver sheet metal in artistic patterns. Older adults will learn a variety of advanced techniques including the use of silver or gold foils and cloisonne. Course restricted to 98 repetitions

**CRAO NC439 The Art of Jewelry Making-Level 1: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Basic jewelry making skills are explored through practice and demonstration. Students learn how to make silver rings, earrings, pins and pendants. Students use tools, work with materials, set gemstones and other fabrication techniques. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful paintings in this specific medium. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes for the older adult. Frequent review of new concepts occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC441 Jewelry Soldering-Information, Focus, Practice: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students develop mental focus and hand-eye coordination through practice of jewelry making soldering skills. Students develop confidence and self-esteem through mastery of torch use and complex design issues that require many solder connections. Topics include health and safety considerations, torches, fluxes, solders, and special set-ups. Course restricted to 98 repetitions

**CRAO NC443 Lost Wax Casting: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Teaches older adults jewelry making skills through the Lost Wax Casting method. Includes instruction in wax carving, preparation, burnout, and the casting process. Students improve dexterity and mental acuity in the completion of a cast silver jewelry item. Course restricted to 98 repetitions

**CRAO NC444 Jewelry Workshop: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Students are guided in the processes necessary to create a jewelry project from concept to completion. Students learn how to design forms, develop step-by-step procedures utilizing the characteristics of the materials involved and present their completed pieces. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful paintings in this specific medium. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes for the older adult. Frequent review of new concepts occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem-solving. Course restricted to 98 repetitions

**CRAO NC452 A Taste of Jewelry-Wire Wrapping: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students learn the art of wire wrapping and wire sculptures using fused glass, beads, pearls and gemstones to create pendants, rings and bracelets. Designed as an easy and creative application for the older adult. No soldering required in completing jewelry pieces. Course restricted to 98 repetitions

**CRAO NC468 Bead Creations II: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adults will improve beadwork skills by creating more advanced necklaces, earrings, and bracelets. Students exercise manual dexterity, develop core body strength, and improve cognitive functions such as focus and retention of information. Decision making and problem solving skills are practiced to complete complex assemblage projects as well as bead weaving techniques and beaded appliqué. Previous beading experience recommended. Course restricted to 98 repetitions

**CRAO NC525 Antiques, Art and Modernism: For Older Adults (0 Units)**
Hours: 18 (18 lecture)
Art, Antiques, and Modernism for Older Adults is always fresh and vital if you have inherited items or are fascinated by art, antiques, cultures, and history. Teacher talks are followed by physical examination of art and antiques in a "road show" style class, without values, but with the keys to tell genuine from fake and evaluate cultural influences. Lectures focus on current topics at the forefront of the fine and decorative art world from Tut to Banksy, the Renaissance to Rushca. Students who wish to are encouraged to create physical or virtual presentations of antique, modern, and contemporary examples to share with the class. Sample topics include: Einstein's Theory relative 20th century art, folk art, silver, Asian and Latin American arts, Native American basketry, book arts, Van Gogh's collection, Outsider Art, The Harlem Renaissance, and more. Course restricted to 98 repetitions

**CRAO NC585 Art Experiences and Conversations: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Older adult students practice self-expression while viewing images of a wide range of artworks. Discussion topics include art principles such as color, line, shape and form. Art history explored throughout the course. Students are encouraged to share their recollections and associations about art, history and life. Course restricted to 98 repetitions

**CRAO NC701 Beginning Calligraphy: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
The older adult student learns how to write an alphabet based on correct use of pen nibs and pen angles. Topics include correct letter formation and basic techniques and equipment used by contemporary calligraphers. Course restricted to 98 repetitions

**CRAO NC704 Stained Glass: Leaded, Copper Foil and Mosaic: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Designed for older adults with previous experience working with glass. The art of leaded stained glass, copper foil stained glass, and mosaic are acquired and understood through practice and demonstration. Seeks to coordinate the creative process with the fundamental skill set necessary to successfully complete stained glass projects. The instruction takes the student through every stage needed to fabricate a glass project. Weekly handouts cover the history of stained glass from its beginnings to present day. Frequent review of new concepts occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC705 Beginning Stained Glass—Leaded, Copper Foil and Mosaic: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Designed for older adults who have no previous experience working with glass. A hands-on class for those wanting to learn the art of leaded stained glass, copper foil stained glass and mosaic. The instruction takes the student through every stage needed to fabricate a glass project. It also includes weekly handouts covering the history of stained glass from its humble beginnings to present day. Course restricted to 98 repetitions

**CRAO NC709 Flower Arranging: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Students learn techniques and methods of flower arranging for applications in the home or office. Topics include the principles of using a wide variety of plants, materials, and accessories. Course restricted to 98 repetitions

**CRAO NC713 Floral Design-Florist Style: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students learn the design techniques and applications used by professional florists. Prepares students for professional or at home applications. Topics include bouquets, high style arrangements and flowers to wear and carry. One-on-one instruction by a professional florist helps students create floral projects that enhance self-esteem and confidence. Students must transport final products from classroom upon completion. Course restricted to 98 repetitions

**CRAO NC720 Copper Foil Lamp and Window Construction: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Course designed for both the beginning and experienced older adult student. Lead and copper foil methods are represented and demonstrated to create a variety of copper foil lamps and windows. Students experience enhanced self-esteem and develop fine motor skills through the creation of intricate projects. Course provides a relaxed, supportive environment to promote socialization and confidence to complete challenging projects. Course restricted to 98 repetitions

**CRAO NC722 Chinese Calligraphy and Brush Painting: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students will learn Chinese calligraphy and brush painting. Students will practice basic calligraphy strokes and color loading techniques. Students will write Chinese words, learn the spiritual meaning behind each character, and paint traditional Asian subjects (bamboo, blossom, orchid, iris, and lotus.) Course restricted to 98 repetitions

**CRAO NC723 Glass Arts Workshop: For Older Adults (0 Units)**
Hours: 20 (5 lecture, 15 lab)
Basic glass art skills are explored through practice and demonstration. Seeks to coordinate the creative process with the fundamental skill set necessary to make successful glass projects, including leaded stained glass, copper foil stained glass, fusing, mosaic and sandblasting. Special emphasis is placed on the social interaction and critical thinking aspects inherent in group studio arts classes for the older adult. Frequent review of new concepts occur through lectures and demonstrations. The pace of demonstrations and lectures are suited to the needs and abilities of individual students. Peer critique is utilized to maximize social interaction and encourage problem solving. Course restricted to 98 repetitions

**CRAO NC725 Weaving using a Floor Loom: For Older Adults (0 Units)**
Hours: 48 (8 lecture, 40 lab)
Older adult students focus on developing increased manual dexterity and strength as they create useful and decorative projects by learning the age-old craft of hand weaving on a loom. Topics include project planning, warping the loom and finishing projects as well as weaving theory and techniques. Designed for beginning, intermediate and advanced students. Course restricted to 98 repetitions

**CRAO NC742 Beginning Decorative Painting: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students in this beginning class learn the basic techniques of decorative art to use for the home or as gifts. Using bottled acrylic paints older adult students learn techniques in shading, highlighting and use of color. Students build self-esteem and confidence as they receive instructor guidance to create distinctive projects. Course restricted to 98 repetitions

**CRAO NC748 Monotypes and Monoprints: For Older Adults (0 Units)**
Hours: 40 (10 lecture, 30 lab)
This class teaches older adults to paint unique monotypes on an acrylic plate and print them on an etching press. Students develop creativity and practice dexterity and mental focus in the production of singular print images, emphasizing technique, design, and process. Course restricted to 98 repetitions

**CRAO NC799 Beginning Glass Fusing: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adults learn basic skills to create several glass fused pieces. Emphasis is placed on creating functional, yet artistic pieces, including a small plate or bowl. Course restricted to 98 repetitions

**CRAO NC823 Ceramics, an Option for Creative Learning: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students make clay objects using hand techniques or the potter's wheel. Students will improve hand strength and coordination, develop cognitive flexibility to learn and execute a new skill, experience the sensory and creative stimulation fostered by working with clay and exercise socialization skills. Topics include the principles of clay construction, glazing, the kiln firing process, and increasingly difficult clay techniques. Course restricted to 98 repetitions

**CRAO NC851 Beginning Porcelain: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Beginning-level older adult students learn to work with the most refined of the high fire clays. Challenges of forming and decorating porcelain, as well as the techniques necessary to develop personal style will be addressed. Course restricted to 98 repetitions

**CRAO NC853 Clay Portraiture: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
This course teaches older adults to sculpt a portrait in clay. Class focuses on the techniques and skills needed to analyze and sculpt the facial features, neck, and shoulders. Older adults will be instructed in anatomy, use of tools and materials, and construction of armatures. Course restricted to 98 repetitions

**CRAO NC862 Decorative Pottery Techniques: For Older Adults (0 Units)**
Course Advisories: Beginning ceramics experience.
Hours: 24 (8 lecture, 16 lab)
The older adult student will learn decorative and glaze techniques for ceramics. Students enhance mental acuity and manual strength and dexterity as they work with clay on wheel or table. Older adults exercise fine motor skills to complete the detailed work of painting, carving, glazing, and slip trailing. Topics include the varieties of decorating with clay, under-glazes, slips, glazes, wax techniques will be covered. Course restricted to 98 repetitions

**CRAO NC888 Modeling the Figure in Clay: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
The older adult student learns to sculpt the human figure in water-based clay. Focuses on techniques and skills needed to construct a three-dimensional, proportional, anatomical figure in a variety of poses from live models. Instruction includes use of tools, materials and armature construction. Course restricted to 98 repetitions

**CRAO NC896 Clay Handbuilding: For Older Adults (0 Units)**
Hours: 30 (10 lecture, 20 lab)
Beginning level older adult art students make clay objects using a combination of pinch, coil and slab techniques.The older adult student will improve hand strength and coordination, develop cognitive flexibility to learn and execute new skills. Topics include the principles of clay construction, glazing and the kiln firing process. Course restricted to 98 repetitions

# Creative English
## Creative English Courses

**CREO NC014 Exploring Films of Our Lives: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
This course explores the writing, directing, actors, and awards of films set in locales around the globe. Older adult students exercise critical thinking and develop self-expression by comparing their reaction to films originally shown and their response to seeing the same movie today. Films reinforce self-esteem through the validation of memories of the original viewing of older films. Socialization and critical thinking are enhanced through group discussion. Students participate in the selection of films. Course restricted to 98 repetitions

**CREO NC120 Modern and Classic Short Stories: For Older Adults (0 Units)**
Hours: 16 (16 lecture)
Provides older adults the opportunity to enter into a sustained close reading of texts, allowing for a fuller exploration of the art of each work. To that end participants discuss characterization, plot, style, imagery, metaphor, narrative structure, point of view and theme. Texts are read aloud in class and students are invited to communicate their reflections and insights in response to each reading. Materials for the course - modern and classic short stories from the US, Britain, and other nations – are selected each term. Course restricted to 98 repetitions

**CREO NC303 Explorations in Literature for Older Adults (0 Units)**
Hours: 16 (16 lecture)
Older adults become more avid, savvy readers of literature by learning how to "close read." Through classroom readings, lecture, and discussion, students understand the dynamics of literature and how the study of literature applies to their lives. They also explore how literature reveals relationships between people and people's relationships to the world, as well as how it can often give a clearer view of its times than contemporary news reports or historical analysis. Course restricted to 98 repetitions

**CREO NC335 Poetry, Prose and Plays: For Older Adults (0 Units)**
Hours: 16 (16 lecture)
Older adult students learn techniques for close reading of literary texts. Examines the elements of storytelling: plot, character, theme, point of view and setting. Analyzes the effect of words, images, metaphors, patterns and cadences in the various works. Explores the effects of cultural context, values, irony and paradox on the reader. Titles will be determined in class and will include selections from poetry, prose and plays. Course restricted to 98 repetitions

**CREO NC434 The Austen Mystique for Older Adults (0 Units)**
Hours: 16 (16 lecture)
Older adults examine passages from the major novels of Jane Austen, view clips from film and television versions of her work, listen to and discuss comments of actors and directors who have worked on Jane Austen adaptations, and review her letters and biography. Course restricted to 98 repetitions

**CREO NC497 Survey of Literary Classics: For Older Adults (0 Units)**
Hours: 16 (16 lecture)
Presents older adults with the opportunity and guidance to read, analyze, evaluate and discuss literary classics. Assists students to place modern experience in a historical context and to view historical events with a modern perspective. Course restricted to 98 repetitions

**CREO NC630 Screening Your Ideas: For Older Adults (0 Units)**
Hours: 16 (16 lecture)
Older adult students explore the basics of screenwriting and examine story ideas for TV or motion pictures. The purpose of this course is to find out what makes an idea worth pursuing. Participants learn different techniques to develop their creativity through the study of characters, story and various genres. Students also analyze the opening scenes from a range of different films. Course restricted to 98 repetitions

**CREO NC634 Writing Non-Fiction: For Older Adults (0 Units)**
Hours: 24 (24 lecture)
Older adult students learn how to develop magazine article and book ideas and how to use fiction techniques to write memoirs and non-fiction articles. Students also learn about the magazine marketplace, e-Book publishing, and how to write effective query letters and book proposals. Course restricted to 98 repetitions

**CREO NC635 Writers' Boot-Camp: For Older Adults (0 Units)**
Hours: 24 (24 lecture)
Teaches older adults to improve their writing skills in fiction, creative non-fiction, film, or drama and helps students who have a story without an ending or an idea for an article they can't start. Students learn about structure and how to eradicate writing blocks, turn rants into monologues, express themselves and challenge their intellects. True tales may be published for peers and grandchildren. Course restricted to 98 repetitions

**CREO NC642 Getting Started, Getting Good and Getting Your Fiction Published: For Older Adults (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Older adult students learn that effective, publishable fiction requires intriguing characters, a good story line, a compelling narrative voice, convincing dialogue, energetic pace, palpable mood and a strong relationship to contemporary life. Provides instruction in vital techniques, an arena for practicing them until those skills are mastered and demonstrable ways for the student to develop an individual narrative voice. Course restricted to 98 repetitions

**CREO NC646 Writing Your Life into Being: For Older Adults (0 Units)**
Hours: 16 (16 lecture)
In this interactive writing workshop, older adult students contemplate what other authors say about values such as integrity, acceptance, and success. Through visualization techniques and writing exercises, students reflect back on their lives and give voice to what matters most. Beneficial for students who want to write a memoir for family members, experiment with poetry or fiction, or explore life stories at deeper levels. Course restricted to 98 repetitions

**CREO NC673 Writing Personal Histories: For Older Adults (0 Units)**
Hours: 16 (16 lecture)
Teaches older adults to succeed in the memoir writing process. Students learn to collect and prepare their ideas, how to write and structure their memoirs and autobiographies and how to edit them. Students learn to develop a conversational, individual narrative voice for their memoirs and to create a framework for fictional works based on their autobiographies. Course restricted to 98 repetitions

**CREO NC674 Write From the Start: For Older Adults (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Older adult students learn how to develop magazine articles and book ideas, including the use of fiction techniques to write memoirs and non-fiction articles. Includes information about the magazine marketplace and e-Book publishing. Students also learn how to write effective query letters and book proposals. Course restricted to 98 repetitions

# Creative Music
## Creative Music Courses

**CRMO NC005 Choral Singing: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Older adult students learn vocal techniques, song interpretation, tone, pitch, dynamics and performance technique to effectively perform choral music in front of an audience. Students benefit from breathing and stretching exercises to develop vocal flexibility and lung capacity. Students also increase mental acuity through memorization of musical numbers and sight music reading skills, develop self-confidence, socialization skills, and an outlet for creative expression. Course restricted to 98 repetitions

**CRMO NC008 Jazz/Pop Piano: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
The older adult student will learn to improvise and play piano in their own style and explore sophisticated ways to use jazz chords and arranging techniques such as swing bass, walking bass, ballad style, Latin rhythms, boogie-woogie and the "New Age" sound. Instruction includes how to play in a combo, how to arrange standards from "The Great American Songbook," Jazz Era and more. Will inspire students and enhance musicianship of anyone with basic piano skills and the rudiments of music reading. Course restricted to 98 repetitions

**CRMO NC011 Basics of Singing I: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Novice or experienced older adult singers learn singing and breathing techniques, vocal support, range, song interpretation, and stage presence. Older adult students will develop enhanced self-esteem and communication skills while participating with and performing for fellow students. Course restricted to 98 repetitions

**CRMO NC014 Beginning Piano Level 1: For Older Adults (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Incorporates lecture and hands-on instruction to teach the beginning older-adult piano student basic orientation of the instrument, notes and rhythm. Older adults experience the therapeutic value of playing an instrument and expanding their knowledge of musical elements, resulting in improved physical and emotional well-being. Students have the opportunity to play in class. An electronic keyboard or piano at home is recommended. Course restricted to 98 repetitions

**CRMO NC017 Playing the Ukulele: For Older Adults (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Teaches older adult students strumming, finger picking, chords, and improvisations needed to successfully play the ukulele. Students experience the physical and emotional health benefits of music performance, including improved manual strength and dexterity and an improvement in mental focus. For beginners as well as seasoned musicians. Course restricted to 98 repetitions

**CRMO NC019 Developing a Musical Ensemble: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
For proficient older adult musicians who want to perform as part of an orchestra. Develop individual musicianship skills and techniques while learning how to be part of a larger group. Topics include achieving a unified sound, following a conductor, taking rehearsal notes and performance conduct. Older adults share the dynamic experience of playing in a large group creating exciting classical and popular music. Course restricted to 98 repetitions

**CRMO NC030 Basic Ear Training And Pitch Training: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Older adult musicians are introduced to basic pitch and interval relationships for melodies, harmonies, recognizing chords and song keys. Older adult students experience the physical and emotional benefits of music performance including, increased confidence and accuracy while performing with others, improved mental focus, and building new physical and mental pathways and connections. Pitch and ear training is also particularly essential for singers reading sheet music. Course restricted to 98 repetitions

**CRMO NC031 Basic Rhythm Training for Older Adults (0 Units)**
Hours: 20 (20 lecture)
Novice and experienced older adult music students learn the basic subtle differences between rhythmic subdivisions of twos, threes, and syncopations. Learning to identify and replicate these differences opens new neural pathways, improves physical coordination, strengthens and enhances mind/body awareness for older adults. Rhythm Training is also essential for reading the Western sheet music system. Course restricted to 98 repetitions

**CRMO NC043 Beginning Electronic Keyboard: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Older adult students develop knowledge of technology using state of the art electronic keyboards while enhancing their creative, musical and mental acuity. Older adults conquer mental and physical challenges by creating their own music using the keyboard functions such as styles, voices, transposition and recording. Students enhance socialization skills by playing in ensemble groups. Previous piano/keyboard instruction recommended. Course restricted to 98 repetitions

**CRMO NC045 Jazz Appreciation and History: For Older Adults (0 Units)**
Hours: 16 (16 lecture)
Older adults practice critical thinking and self-expression through the demonstration and discussion of Jazz. Students will view archival films and gain insights into American musical & cultural history while expanding their breadth of knowledge of jazz music and musicians. Older adults will experience the mental, physical, and emotional benefits resulting from social engagement and group interaction that build camaraderie through this common interest and shared love of our nation's music. Course restricted to 98 repetitions

**CRMO NC047 Developing a Jazz Combo:For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Students learn to improvise and interact with other musicians in a close-knit jazz combo. Explore techniques such as how to play jazz chords and scales, swing, improvisation, instrumental roles and different feels and grooves. Discover how to fit into a combo. Each class has a short lecture and longer lab time. This course benefits anyone with basic instrumental and music reading skills. This course will especially inspire the older adult and enhance their musicianship while developing a sense of camaraderie. Course restricted to 98 repetitions

**CRMO NC053 Intermediate Piano: For Older Adults (0 Units)**
Hours: 20 (10 lecture, 10 lab)
Older adults expand musicianship skills and improve health and wellbeing through class activities. Students play on digital pianos, perform new music, and study music theory. A year of beginning piano lessons and a piano or keyboard at home is recommended. Course restricted to 98 repetitions

**CRMO NC057 Recorder Playing: For Older Adults (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Older adult students learn to play the recorder (or "Old English flute"). Students receive group and individual instruction and an opportunity to make music with others. Enhanced self-esteem and sense of accomplishment as students learn a new skill and have an opportunity to share the experience with peers with similar interests. The first hour will be devoted to beginners. Appropriate for the older adult, beginning and continuing student. Please bring a recorder to the first class. Course restricted to 98 repetitions

**CRMO NC061 Music of Our Lives and Times: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
This course is designed to promote the mental, emotional, and social well-being of older adults through the enjoyment, discussion and associations of music. Familiar music and stimuli encourage individual responses and reawaken neural connections, resulting in improved recall, sense of self-worth, and mental alertness. Course restricted to 98 repetitions

**CRMO NC085 Essence of Opera: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Teaches older adults the history of opera. Students study different opera composers, musical scores, historical backgrounds and social contexts. Students watch and listen to examples of operatic performances, enhancing memory retention and socialization skills. Course restricted to 98 repetitions

**CRMO NC090 Performance Singing: For Older Adults (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Older adult students learn vocal techniques, song interpretation and performance technique to effectively perform songs in front of an audience. Students benefit from breathing and stretching exercises to develop flexibility and lung capacity. Mental acuity is enhanced through memorization of musical numbers and sight music reading skills. Students learn to give and receive constructive criticism. Develops self confidence, socialization skills and provides an expressive outlet for creative expression. Course restricted to 98 repetitions

**CRMO NC150 Beginning String Techniques for Older Adults (0 Units)**
Hours: 54 (54 lab)
Instruction in the fundamentals of playing an orchestral string instrument (violin, viola, cello and string bass). Any student may enroll, but Music majors are given first priority on use of college instruments. Instruments are furnished by the college. Course restricted to 98 repetitions

**CRMO NC152 Beginning Wind And Percussion Techniques for Older Adults (0 Units)**
Hours: 50 (50 lab)
Introduction to the basic techniques of instrumental performance-brass, woodwind and percussion. Course restricted to 98 repetitions

**CRMO NC160 College Choir: For Older Adults (0 Units)**
Hours: 54 (54 lab)
Performance class for older adults with previous singing experience. Class includes public performances. Course restricted to 98 repetitions

**CRMO NC163 Quire of Voyces for Older Adults (0 Units)**
Hours: 54 (54 lab)
Study, performance, and recording of sacred a cappella choral music of Renaissance era. Frequent public appearances. Audition Required. Course restricted to 98 repetitions

**CRMO NC165 Jazz Improvisation for Older Adults (0 Units)**
Hours: 54 (54 lab)
Individual and small group improvisational techniques. Combo performance. Course placement level determined by interview/audition. Course restricted to 98 repetitions

**CRMO NC170 Symphony Orchestra: For Older Adults (0 Units)**
Hours: 54 (54 lab)
Performance class for older adults with previous orchestral experience. Class includes public performances. Course restricted to 98 repetitions

**CRMO NC174 Chamber Music for Older Adults (0 Units)**
Hours: 54 (54 lecture)
Ensemble class that provides an opportunity for students to perform standard chamber music literature from the 17th, 18th, 19th and 20th centuries. Individuals expected to improve their performance level and thus perfect the performance of the group. Course restricted to 98 repetitions

**CRMO NC176 Concert Band: For Older Adults (0 Units)**
Hours: 54 (54 lab)
Performance class for older adults with previous concert band experience. Class includes public performances. Course restricted to 98 repetitions

**CRMO NC180 Trombone Choir (0 Units)**
Hours: 54 (54 lab)
Study and performance of original literature and arrangements of symphonic and choral works for trombone ensemble. Public concert appearances. Course restricted to 98 repetitions

**CRMO NC188 Big Band Jazz Ensemble I: For Older Adults (0 Units)**
Hours: 54 (54 lab)
Performance class for older adults with previous big jazz band experience. Class includes public performance. Course restricted to 98 repetitions

# Creative Theatre
## Creative Theatre Courses

**CRTO NC009 The Urge to Act: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
An acting class open to all levels of older adult students. Introduction to monologue and scene work. Stage presence, audition techniques and improvisation are covered. Students discover their acting abilities through the guidance of the instructor and the shared experience with classmates in a safe environment. Course restricted to 98 repetitions

**CRTO NC110 Improvisation for Older Adults (0 Units)**
Hours: 54 (54 lecture)
Older adults create and perform dynamic individual and group improvisational exercises and scenes. Course restricted to 98 repetitions

**CRTO NC144 Theatre Workshop for Older Adults (0 Units)**
Hours: 108 (108 lab)
Provides study and laboratory exploration of all aspects of play production for older adults. The audition, preparation and presentational phases of the acting process for older adults is explored under the supervision and guidance of a faculty director. Productions are presented for public performance. Course restricted to 98 repetitions

# Self-Management
## Self-Management Courses

**SLFO NC003 Nature and Self-Healing—Beginning: For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Older adults explore self-discovery and self-healing techniques. Students also explore nutrition and stress management techniques. Outdoor activities may be part of the course. Course restricted to 98 repetitions

**SLFO NC006 Continuing Adventures in Self-Esteem: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Older adult students will learn stress-reducing tools to avoid burnout and explore practical new ways to integrate constructive communication skills into their lives. This class provides powerful personalized coaching and supportive feedback that can transform negative stress into positive action steps. Special emphasis will be given to developing individualized action plans for creating optimal change in students' lives. This intermediate class presents new material for students who complete the basic Adventures in Self-Esteem class. Course restricted to 98 repetitions

**SLFO NC007 Consciousness, Science, and the Nature of Being: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
This class focuses on current thought in the physical and social sciences, and in spirituality. Our understanding of ourselves and the world is growing with remarkable rapidity. Older adult students will develop their critical thinking skills as they consider whether there is an evolution of consciousness that underlies the great discoveries being made. To aid in this inquiry, the class exploits Internet resources and invites guest speakers. Course restricted to 98 repetitions

**SLFO NC008 Life, Death, Afterlife: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
This class draws on scientific, psychological, and transpersonal perspectives to address the topic of life after death. Through the use of lectures, discussions, readings, and videos, older adults explore topics including the miracle of life, what survives, the three levels of our experience, being with dying loved ones and processing powerful emotions. Helps older adults come to terms with life, death and the afterlife. Course restricted to 98 repetitions

**SLFO NC009 Rock-Folk Music and the '60s Consciousness Movement : For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Older adults explore how '60s music is a reflection of the collective psyche. Students exercise memory, practice effective communication skills, and develop self-wareness as they reminisce about life experiences. Course restricted to 98 repetitions

**SLFO NC013 Ten Vital Tools for Creating the Miraculous: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Teaches older adults how to make the leap from powerless to powerhouse in this dynamic, experiential course. Using the wisdom of the 'law of attraction,' students apply a variety of tools to realize personal goals and desires. Older adults learn to believe in themselves and develop an increased sense of control through the aging process. Course restricted to 98 repetitions

**SLFO NC014 Healing Yourself Whole - Staying Sane in a Crazy World: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Older adult students learn to identify common emotional and behavioral problems, acquire insight into thinking processes, and practice psychological and behavioral tools to make desired changes a reality. Topics include neurolinguistic programming (NLP), healing the inner child, energy field therapy, and self-healing techniques Skills include improving communication skills, dealing with stress, fears and depression, setting realistic goals, and making the most out of mistakes. Course restricted to 98 repetitions

**SLFO NC016 Body/Mind Awareness: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Exploring the role of physical and cognitive creative stimulation in maintaining the health and well-being of older adults. Older adults achieve a greater sense of self-confidence, sense of control, and a level of independence through stimulating activities. Students engage in activities that include reminiscing, moving to music, and other techniques to enhance acuity and health. Course restricted to 98 repetitions

**SLFO NC017 Healing Our World: For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Students use critical thinking skills to examine chronic social problems and learn to be a healing instrument of power and compassion. the older adult students develop confidence in the value of their own wisdom and experience. Course restricted to 98 repetitions

**SLFO NC020 The Psychology and Physiology of Positive Aging: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
In this class, older adult students learn how to define health and wellness as a body, mind, and spirit continuum. Topics include recognizing stress factors and symptoms, chronic inflammation, nutritional awareness, problem solving, and benefits of hypnosis and meditation in aging. Course restricted to 98 repetitions

**SLFO NC021 Adventures in Self Esteem: For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Older adults learn how to increase self-esteem and build more effective communication skills while regaining control and increasing their quality of life. Students also learn constructive communication patterns that empower them to be in charge of their lives. Course restricted to 98 repetitions

**SLFO NC023 Turning Points in Thought From Film: For Older Adults (0 Units)**
Hours: 24 (8 lecture, 16 lab)
Older adult students will examine themes and events in film and discuss thoughts, perceptions and emotional reactions from different perspectives in psychology. Course restricted to 98 repetitions

**SLFO NC025 Compassionate Communication: For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Older adults learn to ask for what they want without fear or guilt, deepen connections with others, enhance long term relationships and heal painful ones. Students learn to speak from the heart to address feelings and needs. Course restricted to 98 repetitions

**SLFO NC026 Behind Appearances-Integrating Psychology and Spirituality: For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Older adults explore the nature of romantic attraction. Students learn specific skills for better communication, managing conflict safely, rekindling romance, understanding gender differences, and keeping a relationship together for the long run. Course restricted to 98 repetitions

**SLFO NC027 Economic Issues That Affect Us All: For Older Adults (0 Units)**
Same as: ECON NC026
Hours: 20 (20 lecture)
Older adult students learn evaluation tools to protect themselves, compare options, and improve decision making by following economic and financial principles. Students exercise critical thinking and analytical skills through the examination of information in the news, advertisements, and targeted mailings that directly impacts their lives. Topics include national economic issues and policies, health care, life insurance, consumer purchases, investments, banking, and credit card offers. Course restricted to 98 repetitions

**SLFO NC028 Love Isn't Enough - Handling Conflict, Creating Romance: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Using ideas from Harville Hendrix, John Gottman, and Andrew Christensen, older adults explore the nature of romantic attraction, why conflict seems inevitable, and what happens to passion in long term relationships. The class teaches specific skills for better communication, managing conflict safely, rekindling romance, understanding gender differences, and keeping a relationship together for the long run. Course restricted to 98 repetitions

**SLFO NC029 Reading and Writing Poetry for Personal Growth: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Older adults discover ways of looking at poetry that help them look back over the events of their lives to see what still needs to be resolved. The reading of poems becomes a vehicle to see the meaning and purpose of their life. Students write their own poems in class and listen to one another's poems when ready to share. This helps them notice the similarities in the human experience and deal with future life issues in creative ways. Course restricted to 98 repetitions

**SLFO NC037 Transforming Anger: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Older adults develop self-esteem and self-confidence as they learn to change patterns of anger with Nonviolent Communication, asking for what they want in a way that they and others can enjoy. Students learn that they are upset because: they are not getting what they want; they blame someone or something when not getting what they want; they are about to speak or act in such a way that will most probably guarantee that they will not get what they want. Course restricted to 98 repetitions

**SLFO NC038 Forgiveness - The Healing Journey: For Older Adults (0 Units)**
Hours: 10 (10 lecture)
Older adults learn to heal hurt, anger, and resentment to improve mental, physical, and emotional health. Students learn how forgiveness can release old negative emotions and make room for new positive, constructive, energizing thoughts, feelings and actions. Topics include healing estranged relationships in family and business, forgiveness as the gift we give ourselves, the process of forgiveness, and gaining the freedom to be healthy and happy. Students also learn to distinguish between forgiving and reconciling Course restricted to 98 repetitions

**SLFO NC039 How Meditation Helps - Mindfulness in Everyday Life: For Older Adults (0 Units)**
Hours: 15 (15 lecture)
Meditation is a practice that can help older adult students greet the challenges and joys of aging with greater courage, acceptance, and clarity. In this experiential course, students practice a range of meditation techniques that encourage health and well-being. Students learn how to focus their attention in the present moment, bring awareness to habitual patterns that no longer serve them, and allow their breath to strengthen their body and calm their mind. Beginners and experienced meditators welcome. Course restricted to 98 repetitions

**SLFO NC040 Self-Hypnosis for Health, Harmony and Weight Loss: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Older adult students practice therapeutic self-hypnosis to improve overall health and well-being through improved sleep patterns, weight loss, and reduction of anxiety, stress, fear and pain. Students learn methods to encourage relaxation and optimistic thought patterns. In addition, students learn nutritional information that will positively alter their relationship to food and food products. Course restricted to 98 repetitions

**SLFO NC047 World of Interest: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Explore and discuss contemporary issues and events with other students, resulting in increased mental alertness and improved mood and attitude. The class explores mentally and emotionally stimulating topics related to international, national, state and local events. Course restricted to 98 repetitions

**SLFO NC049 Therapeutic Music—Mythology and Medicine: For Older Adults (0 Units)**
Hours: 9 (9 lecture)
Using psychological paradigms, this course draws upon ancient mythology and Renaissance ideas related to music to explore the healing power of music throughout the ages. Older adults participate in experiential exercises, including listening and reacting to live and recorded music, to discover how music is connected to healing, memory, self-esteem, and creativity. As an example, students consider why a traditional instrument of healing, the harp, is frequently still used today for therapeutic purposes in the health care environment. Course restricted to 98 repetitions

**SLFO NC051 Essence of Compassionate Communication: For Older Adults (0 Units)**
Hours: 10 (10 lecture)
Class teaches older adult students to listen and speak more effectively by applying the Compassionate (Nonviolent) Communication ™(NVC) process of Dr. Marshall Rosenberg. Students learn how to reduce conflict while creating connections. Topics include how and why NVC works so well; how to improve relationships with clients, family, and friends; and how to defuse difficult situations. This class provides immediate benefits and helps clarify concepts of NVC as a basis for ongoing study and practice. Course restricted to 98 repetitions

**SLFO NC060 Treasures from Sacred Traditions: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
This class teaches the secrets of various sacred traditions to help older adult participants incorporate any traditions that help them feel more alive, happy, peaceful, and loving. Students learn about the truths and methods developed by leaders of the Christian, Hindu, Buddhist, Taoist, Jewish, Sufi and Native American traditions. Class includes lectures, films, slides, readings, and sacred music. Course restricted to 98 repetitions

**SLFO NC061 Ten Ways to Find and Sustain a Lasting Loving Relationship: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Older adults learn techniques to find, define, shape, and sustain a lasting relationship. Topics include overcoming the Cinderella myth, understanding the effects of cultural myths and the media, and finding lasting love online. Students will learn the questions to ask that indicate whether a potential partner is really ready for a lasting relationship. Course restricted to 98 repetitions

**SLFO NC064 Creatively Dealing with Life Changes: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
In this class, older adult students learn 18 practical tools that will enable them to resourcefully optimize this season of their life. Students can let go of the past to create the future they most want, transform unwanted events into exciting opportunities, and consciously create change before it happens. The most consistent thing in life is change, and students learn how to take charge of their lives by taking charge of life's transitions. Course restricted to 98 repetitions

**SLFO NC067 When Love Meets Fear: For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
In this class, older adults learn techniques to free themselves from the grip of fear so that it no longer stops or drives them. Topics include the origins and meanings of human fears of intimacy, abandonment, and closeness. Course restricted to 98 repetitions

**SLFO NC072 Honing the Intuitive Edge: For Older Adults (0 Units)**
Hours: 20 (15 lecture, 5 lab)
Older adults learn that intuition, like a muscle, can be developed, expanded and strengthened to build rapport and make relationships more meaningful. Students experience the benefit of entering situations with the confidence and competence that comes from the senses being fully attuned. Older adults learn to see, hear, feel and know far more than was thought possible, thus building self esteem and self confidence. Course restricted to 98 repetitions

**SLFO NC073 Unlocking your Inner Potential: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
In this class, older adult students will learn effective ways to unlock inner resources and potential. Participants learn ten quick and powerful tools for enhancing quality of life by learning to accept themselves despite past mistakes and failures. Students learn to let go of the past, and through moving on with excitement and joy live fully present in the moment. Course restricted to 98 repetitions

**SLFO NC075 Self-Control through Self-Hypnosis: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Students learn how to use the unconscious mind to harness mind/body healing and goal-achieving power. Self-hypnosis is commonly practiced by older adults, often without knowing it. This experiential class builds on what older adults are already good at, even though they are probably unaware of this skill. Students discover how self-control through self-hypnosis can support desired outcomes to achieve self-control, confidence, and balance. Course restricted to 98 repetitions

**SLFO NC082 Travels and Explorations: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Virtually explore the history, culture, language, and cuisine of distant places without needing to leave the classroom. Older adults recall and share key memories evoked by discussions and presentations and so improve mental recall, retention of information, and self-expression. Students also develop an appreciation of the value of their role and contribution in the global community. Course restricted to 98 repetitions

**SLFO NC083 Mindfulness Meditation: Opening Your "I": For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Older adult students will explore the concept of 'mindfulness', associated meditation techniques, and the application of mindfulness practices to examining life adversities. This class is appropriate for beginners and more. Course restricted to 98 repetitions

**SLFO NC084 Creating Passion, Intimacy, and Lasting RomanceOA (0 Units)**
Hours: 12 (12 lecture)
Intimacy and passion don't just happen--they are created. Especially in long-term relationships, it takes conscious attention and skill to keep the excitement and romance alive. In this course for couples and singles, older adults learn specific ideas and skills that they can use to increase their sense of pleasure and intimacy with their partner, and strategies to keep their relationship vibrant and growing. Course restricted to 98 repetitions

**SLFO NC088 Reclaiming Joy: Meeting Your Inner Child – For Older Adults (0 Units)**
Hours: 20 (20 lecture)
The child of one's youth still lives within, affecting moods, decisions and behavior. If this Inner Child is nurtured, a world of positive possibilities, creativity and joy opens. In this class, older adults rediscover and get to know their own Inner Child. Students learn how to heal the wounds of childhood and forge a loving bond with this core aspect of personality. What awaits the older adults at the end of this journey can be the most powerful healing relationship of their lives. Course restricted to 98 repetitions

**SLFO NC094 How to Communicate Simply, Lovingly, and Effectively: For Older Adults (0 Units)**
Hours: 6 (6 lecture)
Based on the therapeutic principles of Attitude Reconstruction, older adult students will learn how to communicate constructively and effectively. Topics covered include the Four Communication Rules, the Lucky 13 Communication Tips for talking with others, the "I" 5-Step to speak up about any difficult topic, and a model to resolve differences easily. Course restricted to 98 repetitions

**SLFO NC097 Nature and Self-Healing-Intermediate: For Older Adults (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Class teaches older adults advanced self-discovery, self-healing, and advanced alternative healing techniques in an outdoor setting. Advanced techniques taught include meditation, stretching techniques, journaling, forgiveness, examining limiting beliefs, and the purpose of anger and gratitude. Participants should be able to walk two to three miles uphill at a moderate pace. Course restricted to 98 repetitions

**SLFO NC105 Dementia and the Caregiver: For Older Adults (0 Units)**
Hours: 14 (14 lecture)
This course explores a range of approaches to how caregivers can provide quality of life care for their older adults. Topics include warning signs, legal and financial issues, ways to engage the patient in their own care plan, dealing with dementia-related behaviors, and palliative and hospice care. Students will examine communication techniques and ways to develop a care plan that involves the medical team, friends and family, and local resources for the patient and their families. Course restricted to 98 repetitions

**SLFO NC126 Growing Through Loss: For Older Adults (0 Units)**
Hours: 20 (20 lecture)
Loss is inevitable--healing is optional. The greatest loss in life is what dies within us while we live. As we age, we experience loss in many ways: death, divorce, health, finances, and career, for example. Loss provides unparalleled opportunity for older adults to discover their inner strength and the hidden, untapped resources which empower them to live with new direction, hope and joy. This class provides older adults with an arena for effective emotional healing and a moderated support group to share grief work in a safe space. Course restricted to 98 repetitions

**SLFO NC144 Serenity in the Fast Lane - Disappearing Stress: For Older Adults (0 Units)**
Hours: 10 (10 lecture)
Older adults learn why stress is unhealthy and how they can learn to relax even when they think they are too busy to do so. This class presents twenty simple, highly effective, and fast-acting techniques to help students quickly and easily reduce tension, rapidly ease or even clear away pain, achieve insight into personal problems, and significantly lower stress levels. Mature students will learn how these stress-reducing techniques will enhance and extend their lives and sense of peace. Course restricted to 98 repetitions

**SLFO NC182 Ten Ways to Be Happier Now: For Older Adults (0 Units)**
Hours: 12 (12 lecture)
Older adults learn skills for becoming happier. Students realize that they have the power to change their own attitude. Students explore things they can do now to create more happiness in their mature life. Topics include: developing a sense of humor about oneself, dealing with life's transitions, forming new friendships, attitude of gratitude, improving self-esteem, adapting to change, using nature as a guide to happiness, using music for happiness, forgiveness, getting your past out of your present. Course restricted to 98 repetitions

# School of Extended Learning: Parenting

The Parenting program offers parents of pre-kindergarten age children classes in two different supportive  environments: *Parenting Skills* classes cover skills for parents of 3-month old infants to five-year olds in age-specific groups, and parents attend class with their children. In our *Parent Child Workshops*, parents must register for both a weekly morning lab section with their child and also a weekly evening lecture. Children in classes at the *Parent Child Workshops* are aged 2 1/2  to 5 years.

Call/Llama a 805-683-8233. Hablamos español.

## Courses

**ECEP NC008 Preparing for Healthy Childbirth (0 Units)**
Hours: 24 (16 lecture, 8 lab)
Class is designed for pregnant women and new mothers. Teaches skills and information vital to prepare women for labor and delivery and to address post partum practical parenting concerns. Includes movement sequences designed to encourage range of motion, strength, stamina, flexibility and toning of muscles. Course restricted to 98 repetitions

**ECEP NC010 Child Development at the Parent-Child Workshop (0 Units)**
Hours: 135 (45 lecture, 90 lab)
Within context of cooperative preschool, students learn about social, emotional, physical, cognitive development of young children, healthy separation patterns, importance of play, and strategies that support strong foundation for future learning. Students help create healthy, safe, inclusive environment, observe and interact with children in preschool lab. Class includes lecture, lab, discussion, and activities. Course restricted to 98 repetitions

**ECEP NC011 Child, Family, Community at the Parent-Child Workshop (0 Units)**
Hours: 127 (42 lecture, 85 lab)
Within context of cooperative preschool, students will develop a framework for positive communication, child guidance and discipline, and navigating parenting challenges of the 21st century. Students will discover community resources, learn about kindergarten readiness, and develop strategies to support children's education at home and school. Includes lecture, lab, discussion and activities. Course restricted to 98 repetitions

**ECEP NC012 Parent Education in a Cooperative Preschool: Family Education and Resources (0 Units)**
Hours: 82.5 (82.5 lecture)
Parents will learn about nutrition, health, first aid, safety, community resources, kindergarten readiness and transition, and parenting strategies for ensuring their child's success in school and community. Additional topics will address parenting challenges such as: influence of media and technology and helping children cope with family illness, death, separation, and divorce. Designed for parents of children age 2 to 5 years. Class includes weekly lecture, lab/discussion seminar, and activities. Course restricted to 98 repetitions

**ECEP NC015 How to Respond to Tears, Fears, and Tantrums (0 Units)**
Hours: 12 (12 lecture)
This course helps parents discover the reasons for challenging emotions and teaches compassionate and effective ways to respond to a crying, angry, or frightened child. Parents will learn strategies to resolve children's sleep problems, reduce aggressive behavior and hyperactivity, and increase children's self-confidence. Course is designed for parents and others involved with children from birth to age eight. Course restricted to 98 repetitions

**ECEP NC017 Baby Signing for Parents of Babies and Toddlers (0 Units)**
Hours: 10 (10 lecture)
Students learn a small sign language vocabulary to reduce frustration when communicating with their baby/toddler. Baby sign language can lead to a rich, satisfying language routine and enhance the parent/child relationship. Course restricted to 98 repetitions

**ECEP NC019 Encouraging Enthusiasm to Learn (0 Units)**
Hours: 25 (10 lecture, 15 lab)
This course will teach parents how to engage their three to five year-old children in a variety of hands-on projects designed to enhance creativity, sharpen curiosity, and develop pre-reading phonics skills. The class will explore age-appropriate activities in art, math, science, cooking, language, music and movement. Parents will learn how to design rich experiences to help build a child's confidence and positive attitude toward learning as he/she prepares to enter the elementary school years. Course restricted to 98 repetitions

**ECEP NC032 Nature Walk: For Parents and Preschool Children (0 Units)**
Hours: 20 (20 lecture)
Teaches parents how to be actively involved in their preschooler's education by introducing them to the world of slough and tide-pooling, beach plants, creatures of the sea, local trails and creek-beds. Students learn to teach their children about the relationship between Native American cultures and nature. Also includes exploration of environmental factors, birds, animal tracks, insect breeding, and the relationship between these elements and plants. Course restricted to 98 repetitions

**ECEP NC056 Parents and Children in Parks (0 Units)**
Hours: 22 (14 lecture, 8 lab)
Class meets in various local parks and teaches students how to participate with 2 1/2 to 5-year-old children in sensory activities, nature walks, story-time, and age-appropriate crafts to enhance children's physical, emotional, intellectual and social development, and strengthen parent/child relationships. Includes discussion of relevant parenting issues. Students should bring a snack. The list of park locations for the term will be distributed at the first class. Course restricted to 98 repetitions

**ECEP NC065 Anger Management: Enhancing Healthy Family Values (0 Units)**
Hours: 30 (30 lecture)
Class teaches new approaches to dealing with anger using techniques that control reactions to family disagreements. Students learn how to improve parent-child and intimate relationships through effective communication skills as they confront wounds from the past, modify faulty belief systems, recover from addictive behaviors, and understand and manage emotions. Students learn to empower their lives, stop generational cycles of violence, and receive support for recovering from substance abuse. Course restricted to 98 repetitions

**ECEP NC071 Healthy Parenting: Recovering from Addiction and Improving Family Connections (0 Units)**
Hours: 30 (30 lecture)
Course teaches parents how to improve parenting skills, relationships, and family systems by understanding the negative consequences of addiction and the role of criminal thinking in addiction. Students learn to break the chains of addiction, improve communication skills, and develop conflict resolution skills. Students learn how healing from past traumas, successfully managing anger, and recovering from addiction all lead to a sense of hope and self-esteem that can be built upon for further growth. Course restricted to 98 repetitions

**ECEP NC083 Exploring Local Parenting and Community Resources (0 Units)**
Hours: 20 (20 lecture)
Class teaches parents how to use local community resources as enhanced learning opportunities for 3 - 5 year old children. Students explore locations such as museums, parks and trails, children's activity centers, and tide pools, and expand the experiences with stories, crafts and other activities designed to enhance, enrich and engage both parent and child. Students bring a snack, a drink, and comfortable shoes. Course restricted to 98 repetitions

**ECEP NC094 Discipline Without Punishments or Rewards (0 Units)**
Hours: 12 (12 lecture)
Parents and teachers of newborns to pre-adolescents learn how to raise cooperative, responsible, and self-disciplined children. Topics include the pitfalls of punishments and rewards, the basic techniques of democratic discipline and three reasons for inappropriate behavior. Students learn how to change unwanted behavior by recognizing and meeting children's needs. Course restricted to 98 repetitions

**ECEP NC118 Toddler Times for Parents of Children 12-18 months (0 Units)**
Hours: 25 (10 lecture, 15 lab)
Parents learn how toddlers aged 12-18 months learn through songs, finger plays, toys, crafts, puppets and books in order to expand language, sensory learning and physical independence. Students explore and create age-appropriate play and communication in a joyful, stimulating environment. Course restricted to 98 repetitions

**ECEP NC140 Music Times I: For Parents of Babies 8-16 months (0 Units)**
Hours: 12 (12 lecture)
Class explores the power of rhythm, melody, tonality and beat. Students learn how music nurtures children's physical, social, emotional, and intellectual development while strengthening the bond between parent and child. Participants are exposed to various genres of music, play a variety of instruments, listen to stories with dramatization and puppets, and learn songs, rhymes, sign language and finger plays in an interactive environment. Students also learn how music can be used as a tool to guide daily routines and transitions. Course restricted to 98 repetitions

**ECEP NC142 Creativity and Preschoolers: Focus on Art (0 Units)**
Hours: 20 (16 lecture, 4 lab)
Parents and caregivers with children three to five years of age participate in a stimulating environment that teaches age-appropriate art experiences to enhance development. Parents facilitate children's artistic exploration using a variety of art materials, media, recipes and sensory experiences. Parents learn how creative expression leads to children's growth and development. Course restricted to 98 repetitions

**ECEP NC158 Music Times II: For Parents of Children 16-30 Months (0 Units)**
Hours: 12 (12 lecture)
In this course, parents and children ages 16-30 months explore the power of rhythm, melody, tonality and beat. Parents learn how music nurtures children's physical, social, emotional, and intellectual development and strengthens the bond between parent and child. Participants will be exposed to various genres of music, play a wide variety of instruments, listen to stories with dramatization and puppets, and learn songs, rhymes, and finger plays in an interactive environment. Course restricted to 98 repetitions

**ECEP NC159 Infant Times I: Newborn to Crawling (0 Units)**
Hours: 12 (12 lecture)
Provides current information about infant development, stimulation and "self-calming" techniques. Also provides opportunities for sharing and discussion of timely questions from new parents. Parents learn infant massage techniques, music and movements, songs, and how to make hand-made toys/equipment and play games. Course restricted to 98 repetitions

**ECEP NC160 Growing Times I: Parenting Toddlers (18-24 months) (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Parents and caregivers with children 18 - 24 months of age meet weekly to learn to develop a safe and stimulating environment with age appropriate activities for toddlers. Parents learn about typical stages of development through child observation, direct participation with other families, and informal discussion groups. The skills learned in this class promote positive parenting attitudes and healthy parent-child relationships. Course restricted to 98 repetitions

**ECEP NC161 Infant Times II: Crawling to Walking (0 Units)**
Hours: 12 (12 lecture)
Provides information about infant development, stimulation and "self-calming" techniques for crawling and walking infants. Also provides opportunities for sharing and discussion of timely questions from new parents. Parents learn infant massage techniques, music and movements, songs, and how to make hand-made toys/equipment and play games. Course restricted to 98 repetitions

**ECEP NC162 Music Times III: For Parents of Children 2.5 - 5 Years (0 Units)**
Hours: 12 (12 lecture)
Music Times III is for parents and their children ages 2.5 - 5 years. Parents and children explore the power of rhythm, melody, tonality and beat. Parents learn how music nurtures children's physical, social, emotional, and intellectual development and strengthens the bond between parent and child. Participants will be exposed to various genres of music, play a wide variety of instruments, listen to stories with dramatization and puppets, and learn songs, rhymes, finger plays in an interactive environment. Course restricted to 98 repetitions

**ECEP NC164 Growing Times II: Parenting the Two to Three Year Old Child (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Parents and caregivers with children two to three years of age meet weekly to learn to develop a safe and stimulating environment with age appropriate activities for toddlers. Parents learn about typical stages of development through child observation, direct participation with other families, and informal discussion groups. The skills learned in this class promote positive parenting attitudes and healthy parent-child relationships. Course restricted to 98 repetitions

**ECEP NC165 Growing Times III: Parenting the Preschool Child (0 Units)**
Hours: 16 (8 lecture, 8 lab)
Parents and caregivers with children two and a half to five years of age
meet weekly to learn to develop a safe and stimulating environment with
age appropriate activities for preschoolers. Parents learn about typical
stages of development through child observation, direct participation
with other families, and informal discussion groups. The skills learned in
this class promote positive parenting attitudes and healthy parent-child
relationships. Course restricted to 98 repetitions

# TRANSFER CURRICULA

A large majority of SBCC courses have been reviewed and approved for transfer by four-year colleges and universities through formal articulation agreements. These courses apply to one or more General Education, lower division major and/or elective requirements. These transferable courses have University of California (UC) and/or California State University (CSU) designations in this Catalog. These same designations also appear in the *Schedule of Credit Classes*, which is published each semester.

Most majors at four-year colleges and universities require completion of one or more lower division courses as preparation for the upper division. Nearly all of these lower division requirements can be met through transferable SBCC courses. Students can complete four-year institution lower division General Education requirements prior to transfer.

Articulation agreements, available at www.assist.org *(http://www.assist.org)*, identify which courses apply to General Education and lower division requirements at four-year universities. Students can complete many of the lower division requirements for majors offered by UC, CSU or independent institutions, even if SBCC does not offer the major.  For more information on articulation visit http://articulation.sbcc.edu/.

Students can qualify for transfer to a multitude of four-year majors not specifically offered at SBCC. Students should check the catalog of the college of intended transfer and meet with a counselor for additional information about major programs and requirements.

## Articulation with Four-Year Institutions

To assist the student with transfer to four-year institutions, articulation agreements have been established with most California State Universities, University of California campuses and some independent California colleges and out-of-state institutions. These agreements define the courses at Santa Barbara City College that satisfy many lower division major requirements and General Education requirements at four-year institutions. For more information on articulation visit http://articulation.sbcc.edu/.

ASSIST is a computerized student transfer articulation information system that can be accessed over the World Wide Web. It displays reports of how California community college courses can be applied when transferred to California State Universities and University of California campuses.

ASSIST is the official repository of articulation for California's public colleges and universities, and therefore provides the most accurate and up-to-date information available about student transfer in California. ASSIST may be accessed at www.assist.org *(http://www.assist.org)*.

## Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. A C-ID number next to a course signals that participating California colleges and universities have determined that courses offered by other California community colleges are comparable in content and scope to courses offered on their own campuses, regardless of their unique titles or local course number. Thus, if a schedule of classes or catalog lists a course bearing a C-ID number, for example COMM 110, students at that college can be assured that it will be accepted in lieu of a course bearing the C-ID COMM 110 designation at another community college. In other words, the C-ID designation can be used to identify comparable courses at different community colleges. However, students should always go to www.assist.org *(http://www.assist.org)* and www.c-id.net *(http://www.c-id.net)* to confirm how each college's course will be accepted at a particular four-year college or university for transfer credit.

The C-ID numbering system is useful for students attending more than one community college and is applied to many of the transferable courses students need as preparation for transfer. Because these course requirements may change and because courses may be modified and qualified for or deleted from the C-ID database, students should always check with a counselor to determine how C-ID designated courses fit into their educational plans for transfer.

Students may consult the ASSIST database at www.assist.org *(http://www.assist.org)* and www.c-id.net *(http://www.c-id.net)* for specific information on C-ID course designations. Academic counselors can help students interpret or explain this information.

## UC Transfer
## UC Minimum Eligibility Requirements for Transfer Admission
### California Residents

As a junior-level transfer applicant, you must meet the following requirements. Some of your major preparation and general education coursework will count toward these requirements.

1. Complete the following 7-course pattern by the end of the spring term prior to fall enrollment at UC:
   - Two transferable college courses (3 semester or 4-5 quarter units each) in English composition; *and*
   - One transferable college course (3 semester or 4-5 quarter units) in mathematical concepts and quantitative reasoning; *and*
   - Four transferable college courses (3 semester or 4-5 quarter units each) chosen from at least two of the following subject areas: the arts and humanities, the social and behavioral sciences, and the physical and biological sciences.
2. Complete at least 60 semester (90 quarter) units of UC-transferable credit. No more than 14 semester (21 quarter) units of the 60 semester (90 quarter) units may be taken pass/fail or credit/no credit.
3. Earn at least a 2.4 GPA in UC-transferable courses (2.8 if you're a nonresident). Some majors require a higher GPA for admission selection.
4. Complete the required/recommended courses need for your intended major with the minimum grades. Visit ASSIST (www.assist.org) to see the major preparation coursework expected by each campus or refer to UC's Transfer Pathways, a single set of courses you can take to prepare for your major on any of our nine undergraduate campuses.

**Note: Fulfilling the UC minimum eligibility requirements does not guarantee admission to UC campuses.** *Admission selection criteria vary widely by campus and by major. Consult with your academic counselor or a UC campus representative to learn about the GPA and courses that may be required for admission to particular campuses and majors. Refer to the University of California website for UC transfer requirements:* https://

admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/.

## Non-California Residents

The minimum admission requirements for non-residents are very similar to those for California residents. Please consult with the admissions office at one of the university campuses for details. In all cases, however, non-residents must have a minimum grade point average of 2.8 or higher in all UC-transferable college coursework.

## UC-Transferable Courses

Santa Barbara City College's UC-Transferable Course Agreement (TCA) is available online at www.assist.org *(*http://www.assist.org/)*. In addition, the transferability of each course is indicated immediately after the course title and unit information listed in the department/course descriptions section of this *Catalog*.

## CSU Transfer
## CSU Minimum Eligibility Requirements for Transfer Admission

A Santa Barbara City College student who is planning to transfer to one of the campuses of the CSU system can qualify for admission by meeting the following requirements:

### Lower-Division Transfer Admission Requirements (1 to 59 semester units)

Many campuses restrict enrollment of lower-division transfer students. California residents may be eligible for CSU admission with fewer than 60 transferable semester units (90 quarter units) if they:

- have completed "a-g" course requirements in high school;
- have graduated from high school (received a high school diploma or General Educational Development, or GED, certificate);
- meet the Eligibility Index required of a first-time freshman;
- have achieved an overall college GPA of at least 2.00 (This GPA is calculated using all your transfer units attempted. In case of high-demand majors and campuses, a GPA of 2.00 may not be sufficient to be admitted);
- be in good standing at the last college or university you attended. (In simple terms, "good standing" means you are eligible to re-enroll at your last college or university.); and
- have completed, with a grade of C- or better, a course in GE Section A2 in written communication and a course in GE section B4 in mathematics or quantitative reasoning.

Visit https://www2.calstate.edu/apply/transfer/Pages/lower-division-transfer.aspx for detailed information.  Some campuses may require lower-division transfer students to have completed English composition and General Education mathematics prior to transfer. Some campuses do not admit lower-division transfer students. Contact your campus of choice to determine whether there are admission limits on the number of lower-division transfer students.

*Note: Students who completed college units before they graduated from high school or during the summer between high school graduation and CSU enrollment are considered first-time freshmen and must meet those admission requirements. For more information regarding General Education and pre-major requirements, consult with an academic counselor and visit* www.assist.org *(*http://www.assist.org/)*.

*Students who do not meet the eligibility index from high school are highly recommended to continue their education at a community college and complete 60 or more transferable semester units (90 quarter units) before attempting to transfer to a CSU. Students should complete as many of the General Education and pre-major requirements as possible. Consult with an academic counselor.*

## Upper-Division Transfer Admission Requirements (60 to 70 semester units)

To be admitted to the California State University as an upper-division transfer (UDT) student, you must:

- have completed a minimum of 60 semester or 90 quarter units of transferable coursework;
- have an overall college GPA of at least 2.00; your GPA is calculated using all your transfer units attempted. In high-demand majors and campuses a GPA of 2.00 may not be sufficient to be admitted;
- be in good standing at the last college or university attended. In simple terms, "good standing" means you are eligible to re-enroll at your last college or university;
- have completed 10 general education courses (30 semester units or 45 quarter units) of basic skills courses, with a grade of C- or better, and, specifically, four courses completed in the following areas: written communication, oral communication, critical thinking and mathematics/quantitative reasoning.

*Note: Fulfilling the CSU minimum eligibility requirements does not guarantee admission to CSU campuses. Admission selection criteria vary widely by campus and by major. Consult with your academic counselor or a CSU campus representative to learn about the GPA and courses that may be required for admission to particular campuses and majors. Refer to the CSU Apply website for CSU transfer eligibility requirements (*https://www2.calstate.edu/apply/transfer/Pages/upper-division-transfer.aspx*).*

## CSU-Transferable Courses

Santa Barbara City College's CSU baccalaureate list of transferable courses is available online at www.assist.org *(*http://www.assist.org/)*. In addition, the transferability of each course is indicated immediately after the course title and unit information listed in the department/course descriptions section of this *Catalog*.

## Associate Degrees For Transfer
## Santa Barbara City College Associate in Arts and Associate in Science for Transfer Degrees

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code Sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "Associate Degree for Transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete a minimum of 60 required semester units of CSU-transferable coursework with a minimum GPA of 2.0. Students transferring to a CSU campus that does accept the AA-T or AS-T will

be required to complete no more than 60 units after transfer to earn a bachelor's degree (unless the major is a designated "high-unit" major). This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. For the latest information about transfer degrees, visit https://icangotocollege.com/?sitekey=adegree.

Students who have a verified AA-T or AS-T degree and meet the CSU's upper-division transfer admission eligibility requirements, but who have not been admitted to the CSU of their choice because that campus does not have enough space, they will be redirected to an alternate campus. To learn more, go to the Redirection page on Cal State Apply *(*https://www2.calstate.edu/apply/redirection/*)*.

At the time of this Catalog publication, a student may earn the following AA-T/AS-T degrees at SBCC:

- Administration of Justice (AS-T)
- Anthropology (AA-T)
- Art History (AA-T)
- Biology (AS-T)
- Business Administration 2.0 (AS-T)
- Child and Adolescent Development (AA-T)
- Communication Studies (AA-T)
- Computer Science (AS-T)
- Early Childhood Education (AS-T)
- Economics (AA-T)
- Elementary Teacher Education (AA-T)
- English (AA-T)
- Film, Television and Electronic Media (AS-T)
- Geography (AA-T)
- Geology (AS-T)
- Global Studies (AA-T)
- History (AA-T)
- Journalism (AA-T)
- Kinesiology (AA-T)
- Mathematics (AS-T)
- Music (AA-T)
- Nutrition and Dietetics (AS-T)
- Philosophy (AA-T)
- Physics (AS-T)
- Political Science (AA-T)
- Psychology (AA-T)
- Sociology (AA-T)
- Spanish (AA-T)
- Studio Arts (AA-T)
- Theatre Arts (AA-T)

Additional majors are under development. For more information, refer to appropriate Catalog section and see an academic counselor.

## Requirements

The following is required for all AA-T or AS-T degrees:

1. Minimum of 60 CSU-transferable semester units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Consult with a counselor for more information.
3. Completion of a minimum of 18 semester units in an "AA-T" or "AS-T" major as detailed in the appropriate departmental section of this Catalog. All courses in the major must be completed with a grade of "C" or better or Pass (Title 5 § 55063).
4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC-CSU) pattern (see "Transfer Curricula" in the Catalog Index for more information about CSU GE Breadth and IGETC requirements).
   ***Important Notes:*** *The Business Administration 2.0 AS-T, Computer Science AS-T, the Geology AS-T, the Music AA-T and the Physics AS-T require completion of IGETC-CSU. The CSU GE Breadth is not allowed for these degrees.  The Biology AS-T requires completion of IGETC-CSU for STEM.  The CSU GE Breadth for STEM is not allowed for this degree.*
5. Candidates for an Associate Degree for Transfer are required to complete a minimum of 12 units through SBCC.

# IGETC
# General Education Patterns for Transfer

Santa Barbara City College students have several options to complete a General Education pattern prior to transfer:

1. Intersegmental General Education Transfer Curriculum (IGETC)
2. California State University General Education Breadth Pattern (CSU GE Breadth)
3. Campus-specific General Education Pattern

## Intersegmental General Education Transfer Curriculum (IGETC)

The Intersegmental General Education Transfer Curriculum (IGETC) is a pattern of courses that California community college students can follow to satisfy *lower-division* general education requirements at any California State University (CSU) or University of California (UC) campus. In addition, completion of IGETC qualifies students to receive a Certificate of Achievement from SBCC. **Students who do not qualify for a full or partial certification of their IGETC before transfer will be required to complete the General Education pattern of the UC or CSU campus to which they transfer.** Students should be aware that additional courses are often required to fully satisfy the General Education requirements of the particular UC or CSU campus to which they transfer.  IGETC is not advisable for all transfer students. Students should meet with an academic counselor and visit http://www.sbcc.edu/transfercenter/whichge.php to determine the appropriate general education option for their transfer goal. In addition, there are some exceptions where completion of IGETC is not acceptable.  For more information, visit: https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html. A student who is initially enrolled at a UC and is returning to the same UC campus (after attending a community college) is considered a "readmit" and **cannot** use IGETC.  However, students who initially enroll at a UC, attend a community college and return to a **different** UC campus may be able to use IGETC, but should check with the campus they wish to attend.

This restriction does not apply to students who have taken UC summer session or Extension classes only.

For the official IGETC Standards, Policies & Procedures, visit https://icas-ca.org/wp-content/uploads/2022/06/IGETC_STANDARDS-2.3_02June2022-Final.pdf. *(https://icas-ca.org/wp-content/uploads/2022/06/IGETC_STANDARDS-2.3_02June2022-Final.pdf)* For detailed information about SBCC courses approved to meet IGETC requirements, visit www.assist.org *(http://www.assist.org/)*.

## Santa Barbara City College 2023-2024 IGETC Courses

IGETC requirements for Santa Barbara City College are also available on the ASSIST website, www.assist.org *(http://www.assist.org)* and on the articulation website *(http://articulation.sbcc.edu/)*. IGETC represents approximately 35-40 units of the 60 transferable units required for UC/CSU transfer admissions.

***Important Note:*** *Courses listed in more than one area of IGETC (Areas 1-7) can only be counted in one area.*

IGETC is updated every fall semester.  When registering for classes each semester, it is the student's responsibility to verify that the course(s) chosen to meet IGETC requirements are applicable to IGETC in the term that the course(s) will be completed.  Consult with an academic counselor.

### Area 1 – English Communication
- ***CSU*** — *3 courses required, one from each group below.*
- ***UC*** — *2 courses required, one each from Group A and Group B.*

### Group A: English Composition — 1 course, 3 semester units or 4 quarter units

ENG 110 Composition and Reading or ENG 110E Composition and Reading, Enhanced or ENG 110GB(before Spring 15) or ENG 110H Composition and Reading, Honors

### Group B: Critical Thinking-English Composition — 1 course, 3 semester units or 4 quarter units
***Important Note:*** *Courses that meet Area 1B are normally not offered at institutions outside of the California Community College system.*

| Code | Title | Units |
|---|---|---|
| COMM 235 | Argumentation and Debate (Fall 10 & after) [1] | 3 |
| ENG 111 | Critical Thinking and Composition Through Literature [1] | 3 |
| ENG 111GB (before Spring 15) | | |
| ENG 111H | Critical Thinking and Composition Through Literature, Honors [1] | 3 |
| ENG 111HG (before Spring 15) | | |
| ENG 115 | Argumentative Writing and Critical Thinking (Fall 19 & after) | 3 |
| PHIL 111 | Critical Thinking And Writing In Philosophy | 3 |
| PHIL 110 (Summer 94-Summer 98) | | |

[1] Designates courses listed in more than one area but can only be counted in one area.

Note: ENG 112 or 112HR and PHIL 205 or COMM 235 meet Area 1B: Critical Thinking-English Composition <u>ONLY</u> if one course was completed prior to Fall 1993.

### Group C: Oral Communication (CSU requirement only) — 1 course, 3 semester units or 4 quarter units

| Code | Title | Units |
|---|---|---|
| COMM 121 | Interpersonal Communication (before Fall 93 or Fall 98 & after) | 3 |
| COMM 121H | Interpersonal Communication, Honors (Spring 03 & after) | 3 |
| COMM 122 | Mediated Interpersonal Communication (Fall 14-Summer 24) | 3 |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| COMM 131H | Fundamentals Of Public Speaking, Honors | 3 |
| COMM 141 | Small Group Communication | 3 |
| COMM 235 | Argumentation and Debate (Fall 10 & after) [1] | 3 |

[1] Designates courses listed in more than one area but can only be counted in one area.

### Area 2A – Mathematical Concepts and Quantitative Reasoning
*1 course, 3 semester units or 4 quarter units.*

| Code | Title | Units |
|---|---|---|
| CS 108 | Discrete Structures (before Fall 23) | 4 |
| CS 143 (before Fall 15) | | 4 |
| MATH 114 | Mathematics for Liberal Arts Majors | 4 |
| MATH 116 (Fall 97-Summer 98) | | 4 |
| MATH 117 | Elementary Statistics | 4 |
| MATH 117AB | | |
| MATH 117H (Spring 92-Summer 19) | | |
| MATH 120 (Spring 95-Spring 19) | | |
| MATH 125 (before Fall 99) | | |
| MATH/CS 118 | Data Science for All (Fall 22 & after) | 4 |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | 5 |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | 3 |
| MATH 137 | College Algebra | 5 |
| MATH 138 | Precalculus - College Algebra and Trigonometry | 4 |
| MATH 140 (before Fall 00) | | |
| MATH 141 (before Fall 01) | | |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 180 | Transition to Advanced Mathematics | 4 |
| MATH 200 | Multivariable Calculus (before Fall 97 or Spring 07 & after) | 4 |
| MATH 210 | Linear Algebra (before Fall 96 or Spring 07 & after) | 4 |
| MATH 220 | Differential Equations (before Fall 96 or Spring 07 & after) | 4 |
| MATH 250 (Spring 96-Spring 07) | | |
| MATH 260 (Spring 96-Fall 07) | | |

| Code | Title | Units |
|------|-------|-------|
| PSY 150 | Statistics for the Behavioral Sciences (Spring 97 & after) | 4 |
| SOC 125 | Introduction to Statistics in Sociology | 4 |

## Area 3 – Arts and Humanities

*3 courses, with at least 1 course from 3A: Arts & 1 course from 3B: Humanities, 9 semester units or 12 quarter units.*

### 3A: Arts

| Code | Title | Units |
|------|-------|-------|
| ART 100 | Art in Culture (Fall 20 & after) | 3 |
| ART 101 | Visual Literacy | 3 |
| ART 102A | Early Twentieth Century Art, 1900-1945 (Fall 01 & after) | 3 |
| ART 102B | Late Twentieth Century Art (Spring 02 & after) | 3 |
| ART 103 | History of Art, Prehistoric to Gothic | 3 |
| ART 103H | History of Art, Prehistoric to Gothic, Honors | 3 |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| ART 104H | History Of Art, Renaissance To Modern, Honors | 3 |
| ART 105 (before Summer 01) | | |
| ART 106 | History Of American Art | 3 |
| ART 107 (before Fall 12) | | |
| ART 108 | History of Asian Art | 3 |
| ART 109 (before Fall 15) | | |
| ART 110 | History of Women in Art | 3 |
| ART 111 | Survey Of Tribal Arts | 3 |
| ART 112 | Survey Of Ancient American Art | 3 |
| ART 113 | Survey Of Architecture (before Spring 08 or Fall 15 & after) | 3 |
| ART 114 | History Of Photography | 3 |
| ART 145 (Spring 04-Fall 07) | | |
| ART 210 | Survey Of Renaissance And Baroque Art | 3 |
| ART 211 | Nineteenth Century Art | 3 |
| ART 213A (before Fall 12) | | |
| ART 213B (before Fall 12) | | |
| ART 215 | Survey Of Non-Western Art | 3 |
| ART 216 | Survey Of Islamic Art And Architecture | 3 |
| ART 217 (before Fall 12) | | |
| BLST 111 | The African-American Music Experience | 3 |
| CHST 119 (before Summer 99) | | |
| CHST 130 | History Of Mexican Art | 3 |
| CHST 131 | History Of Chicano Art (Spring 99 & after) | 3 |
| CHST 160 | Chicano Theatre (Spring 93 & after) | 3 |
| ENG 242 | Contemporary Dramatic Literature (Fall 94 & after) | 3 |
| ENG 260 (before Fall 97) | | |
| FS 101 | Introduction to Film Studies (Spring 99 & after) [1] | 3 |
| FS 101H | Introduction to Film Studies, Honors | 4 |

| Code | Title | Units |
|------|-------|-------|
| FS 104 | American Film to 1960's (Spring 98 & after) | 3 |
| FS 105 | Introduction to Television Studies [1] | 3 |
| FS 107 | Contemporary American Film | 3 |
| FS 109 | Film and Cultural Criticism (Fall 17 & after) | 3 |
| FS 112A | French Film | 3 |
| FS 112C | Spanish and Latin American Film [1] | 3 |
| FS 113 | Experimental Film | 3 |
| FS 115 | The Vietnam War in Film (Spring 03 & after) [1] | 3 |
| FS 116 | Gender and Sexuality in Film [1] | 3 |
| FS 118 | Film Genres (Spring 03 & after) [1] | 3 |
| FS 119 | Film Comedy [1] | 3 |
| FS 120 | Visionary Filmmakers | 3 |
| FS 121 | Documentary Film [1] | 3 |
| GDP 116 | History of Graphic Design | 3 |
| MUS 104A | Beginning Theory | 3 |
| MUS 110 | Music Appreciation | 3 |
| MUS 110H (before Fall 20) | | |
| MUS 112 | History of Jazz | 3 |
| MUS 114A | Survey of Music History | 3 |
| MUS 114B | Survey of Music History | 3 |
| MUS 115 | History And Appreciation Of Rock And Popular Music | 3 |
| MUS 118 | World Music | 3 |
| MUS 119 (before Fall 20) | | |
| NATA 112 | Native American Visual And Musical Art | 3 |
| PHIL 207B | Philosophy of Art [1] | 3 |
| PE 250 | Survey and Appreciation of Dance History (Fall 03 & after) | 3 |
| TA 103 | Theatre Appreciation | 3 |
| TA 103GB (before Fall 09) | | |
| TA 106 | Development of Drama - Musical Theatre | 3 |
| TA 107 | Development Of Drama: Greek to Renaissance | 3 |
| TA 108 | Development Of Drama II: Restoration To Contemporary | 3 |
| TA 120 | Understanding Scenography | 3 |
| TA 135A | History of Costume Design in Film | 3 |
| TA 160 | Chicano Theatre (Spring 93 & after) | 3 |

[1] Designates courses listed in more than one area but can only be counted in one area.

### 3B: Humanities

| Code | Title | Units |
|------|-------|-------|
| ASL 102 | Beginning American Sign Language II (Spring 01 & after) | 5 |
| ASL 103 | Intermediate American Sign Language I | 5 |
| ASL 104 | Intermediate American Sign Language II | 5 |

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|---|---|---|
| ASL 125 | American Deaf Culture and History | 4 |
| ARBC 102 | Beginning Modern Standard Arabic II (Spring 06 & after) | 5 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 (Fall 08 & after) [1] | 3 |
| ASAM 102 | Contemporary Asian-American History (Fall 08 & after) [1] | 3 |
| BLST 101 | The African-American In U.S. History To World War II (Fall 16 & after) [1] | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present (Fall 15 & after) [1] | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors [1] | 4 |
| BLST 103 | African-American Culture (Fall 16 & after) [1] | 3 |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. (Fall 14 & after) [1] | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present (Fall 16 & after) [1] | 3 |
| CHST 103 | Mexican-American (Chicano) Culture (Fall 16 & after) [1] | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | 3 |
| CHST 114 | Borderlands Literature: U.S.-Mexico | 3 |
| CHST 115 | Introduction To Mexican Literature | 3 |
| CHIN 102 | Beginning Chinese II (Fall 93-Summer 98 or Spring 05 & after) | 5 |
| CHIN 103 | Intermediate Chinese | 5 |
| ECE 115 | Children's Literature (Fall 16 & after) | 3 |
| ENG 111 | Critical Thinking and Composition Through Literature (Fall 15 & after) [1] | 3 |
| ENG 111H | Critical Thinking and Composition Through Literature, Honors (Fall 15 & after) [1] | 3 |
| ENG 200 | Introduction to Literature | 3 |
| ENG 221 | Survey of British Literature: 800-1798 | 3 |
| ENG 221GB (before Spring 15) | | |
| ENG 221H | Survey of British Literature 800-1798, Honors | 4 |
| ENG 222 | Survey of British Literature: 1798-Present | 3 |
| ENG 222GB (before Spring 15) | | |
| ENG 222H | Survey of British Literature: 1798-Present, Honors | 4 |
| ENG 223 (before Fall 02) | | |
| ENG 225 | American Literature: Pre-Colonization to 1865 | 3 |
| ENG 225GB (before Spring 15) | | |
| ENG 226 | American Literature: 1865-present | 3 |
| ENG 226H | American Literature, Honors | 4 |
| ENG 231 | World Literature: Ancient Times to 16th Century | 3 |
| ENG 231GB (Spring 07-Fall 14) | | |
| ENG 232 | World Literature: 17th Century to Present | 3 |
| ENG 232GB (Spring 07-Fall 14) | | |
| ENG 233 (before Fall 02) | | |
| ENG 235 (Fall 92-Summer 02) | | |
| ENG 236 (before Fall 20) | | |
| ENG 236GB (Spring 07-Summer 15) | | |
| ENG 237 (before Fall 20) | | |
| ENG 237GB (Spring 07-Summer 15) | | |
| ENG 240 | Contemporary Fiction | 3 |
| ENG 241 | Contemporary Women Writers | 3 |
| ENG 250 (before Fall 02) | | |
| ENG 251 | Introduction To Poetry | 3 |
| ENG 252 (before Fall 02) | | |
| ENG 261 | Literature And Film | 3 |
| ENG 262 | Shakespeare | 3 |
| ENG 262GB (Spring 07-Summer 15) | | |
| ENVS 112 | American Environmental History [1] | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. (Spring 92 & after) [1] | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors [1] | 4 |
| ETHS 103 | The American Ethnic Cultural Experience [1] | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands (Fall 16 & after) [1] | 3 |
| ETHS 117 | Cultural Diversity In Film (before Fall 09 or Fall 14 & after) | 3 |
| ETHS 121 | Women of Color In The U.S. [1] | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. [1] | 3 |
| FS 101 | Introduction to Film Studies (before Fall 10) | 3 |
| FS 105 | Introduction to Television Studies [1] | 3 |
| FS 110 | World Cinema to 1960's | 3 |
| FS 111 | Contemporary World Cinema | 3 |
| FS 112B | Art Cinema | 3 |
| FS 112C | Spanish and Latin American Film [1] | 3 |
| FS 114 | History of Animation | 3 |
| FS 115 | The Vietnam War in Film (Spring 03 & after) [1] | 3 |
| FS 116 | Gender and Sexuality in Film [1] | 3 |
| FS 117 (before Fall 09) | | |
| FS 118 | Film Genres (Spring 03 & after) [1] | 3 |
| FS 119 | Film Comedy [1] | 3 |
| FS 121 | Documentary Film [1] | 3 |
| FR 102 | Beginning French II (Spring 98 & after) | 5 |
| FR 103 | Intermediate French I (Spring 93 & after) | 5 |
| FR 104 | Intermediate French II (Spring 93 & after) | 5 |
| GER 102 | Beginning German II (Spring 93 & after) | 5 |

| Course | Title | Units |
|---|---|---|
| GER 103 | Intermediate German I (Fall 93 & after) | 5 |
| GER 104 | Intermediate German II | 5 |
| HEBR 102 | Beginning Modern Hebrew II (Spring 06 & after) | 5 |
| HIST 100 (before Spring 15) [1] | | |
| HIST 101 | History of the U.S. to 1877 [1] | 3 |
| HIST 102 | History of the U.S. Since 1865 [1] | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors [1] | 4 |
| HIST 103 | History of Western Civilization [1] | 3 |
| HIST 104 | History of Western Civilization [1] | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 [1] | 3 |
| HIST 108 | World Civilization, 1550 to Present [1] | 3 |
| HIST 109 (before Spring 15) [1] | | |
| HIST 110 | History of American Women [1] | 3 |
| HIST 110H | History Of American Women (Honors) [1] | 4 |
| HIST 111 | The American West as Frontier and Region [1] | 3 |
| HIST 112 | American Environmental History [1] | 3 |
| HIST 113H | History Of Western Civilization: 1600 To Present, Honors [1] | 4 |
| HIST 114 (Spring 92-Summer 19) | | |
| HIST 114H (before Fall 19) | | |
| HIST 115 | The Vietnam Wars [1] | 3 |
| HIST 116 (before Spring 15) [1] | | |
| HIST 117 (before Spring 15) [1] | | |
| HIST 120 | Modern Europe [1] | 3 |
| HIST 121 | History Of Great Britain [1] | 3 |
| HIST 122 | History Of Great Britain [1] | 3 |
| HIST 127 | History Of Russia [1] | 3 |
| HIST 130 (before Spring 15) [1] | | |
| HIST 131 (before Spring 15) [1] | | |
| HIST 132 (before Spring 15) [1] | | |
| HIST 133 | History of Latin America [1] | 3 |
| HIST 134 | History Of Latin America: 1800'S To Modern Period [1] | 3 |
| HIST 135 | History of Mexico [1] | 3 |
| HIST 137 | History of Religions of The Middle East [1] | 3 |
| HIST 138 | History of the Modern Middle East [1] | 3 |
| HIST 151 (before Spring 15) [1] | | |
| HIST 152 (before Spring 15) [1] | | |
| ITAL 102 | Beginning Italian II (Spring 93 & after) | 5 |
| ITAL 103 | Intermediate Italian I (Fall 01 & after) | 5 |
| ITAL 104 | Intermediate Italian II | 5 |
| ITAL 150 (before Fall 20) | | |
| ITAL 160 (before Fall 20) | | |
| JAPN 102 | Beginning Japanese II (Spring 93 & after) | 5 |
| JAPN 103 | Intermediate Japanese I (Fall 98 & after) | 5 |
| JAPN 104 | Intermediate Japanese II (Fall 09 & after) | 5 |
| KOR 102 | Beginning Korean II | 5 |
| LATN 102 | Beginning Latin II (Spring 06 & after) | 5 |
| NATA 103 | Native American Cultural Heritage (Fall 22 & after) | 3 |
| NATA 105 | California Tribes: The Chumash [1] | 3 |
| NATA 113 | The Indian In Literature: Fact And Fiction | 3 |
| PHIL 100 | Introduction to Philosophy | 3 |
| PHIL 100H | Introduction to Philosophy, Honors | 4 |
| PHIL 101 | Introduction to Ethics | 3 |
| PHIL 101H | Introduction To Ethics, Honors (Spring 00 & after) | 4 |
| PHIL 102 | Comparative World Religions | 3 |
| PHIL 102H (before Fall 20) | | |
| PHIL 200 | History Of Philosophy: Ancient | 3 |
| PHIL 201 | History of Philosophy: Modern | 3 |
| PHIL 203 | History Of Philosophy: Contemporary (Fall 93 & after) | 3 |
| PHIL 204 | History And Philosophy Of The Great Ideas Of Physics | 3 |
| PHIL 206 | Philosophy of Religion | 3 |
| PHIL 207A | Comparative Philosophy, East And West (Fall 13 & after) | 3 |
| PHIL 207B | Philosophy of Art [1] | 3 |
| PHSC 105 (before Fall 95) [1] | | |
| PHSC 106 (before Fall 95) [1] | | |
| PHYS 104 (before Fall 14) | | |
| POLS 132 | Political Thinking (Spring 99 & after) [1] | 3 |
| RUS 102 (Fall 93-Fall 97) | | |
| SPAN 102 | Beginning Spanish II (Spring 99 & after) | 5 |
| SPAN 103 | Intermediate Spanish I (Spring 93 & after) | 5 |
| SPAN 104 | Intermediate Spanish II (Spring 93 & after) | 5 |
| SPAN 132 | Introduction to Literary Analysis (Fall 13 & after) | 3 |
| SPAN 133 (before Fall 20) | | |
| SPAN 134 (before Fall 20) | | |
| SPAN 135 (Spring 05-Summer 20) | | |
| SPAN 139 | Contemporary Cultures Of Spain (Spring 05 & after) | 3 |
| SPAN 146 | Intermediate Spanish for Native Speakers I (Fall 08 & after) | 5 |
| SPAN 147 | Intermediate Spanish for Native Speakers II (Fall 08 & after) | 5 |
| SPAN 150 | Advanced Spanish | 4 |
| SPAN 160 | Advanced Spanish | 4 |

[1] Designates courses listed in more than one area but can only be counted in one area.

## Area 4 – Social and Behavioral Sciences

*2 courses from at least 2 academic disciplines, 6 semester units or 8 quarter units.*

| Code | Title | Units |
| --- | --- | --- |
| AJ 101 | Introduction To The Administration Of Justice (Spring 92 & after) | 3 |
| AJ 102 | Ethics In The Criminal Justice System (Fall 07 & after) | 3 |
| AJ 104 | Introduction to Corrections | 3 |
| AJ 105 | Diversity, Law and Justice | 3 |
| AJ 107 | Concepts Of Criminal Law (Fall 96 & after) | 3 |
| AJ 125 | Introduction To Criminology (Fall 08 & after) | 3 |
| AJ 245 | Constitutional Law | 3 |
| AJ 271 | The Study of Evil (Fall 17 & after) | 3 |
| ANTH 102 | Introduction To Archaeology | 3 |
| ANTH 102H | Introduction to Archaeology, Honors | 4 |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 104 | Language and Culture | 3 |
| ANTH 109 | Comparative World Cultures (Fall 92 & after) | 3 |
| ANTH 110 | Culture and Society Through Cartoons | 3 |
| ANTH 113 | Witchcraft, Magic, Science And Religion | 3 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 (Fall 92 & after) [1] | 3 |
| ASAM 102 | Contemporary Asian-American History (Spring 92 & after) [1] | 3 |
| BLST 101 | The African-American In U.S. History To World War II [1] | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present (Spring 92 & after) [1] | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors [1] | 4 |
| BLST 103 | African-American Culture [1] | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. [1] | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present (Spring 94 & after) [2] | 3 |
| CHST 103 | Mexican-American (Chicano) Culture [1] | 3 |
| CHST 121 | The Chicana And Other Latina Women (Fall 92 & after) | 3 |
| COMM 101 | Introduction to Communication (Spring 93 & after) | 3 |
| COMM 151 | Intercultural Communication | 3 |
| COMM 171 | Mass Media and Society (Spring 92 & after) | 3 |
| COMM 288 | Communication Research Methods (Spring 97 & after) | 3 |
| COMM 289 | Communication Theory (Spring 93 & after) | 3 |
| ECE 102 | Child, Family and Community (Spring 93 & after) | 3 |
| ECE 120 | Child Growth and Development/ Educators (Fall 07 & after) | 3 |
| ERTH 142 | Economic Geography | 3 |
| ECON 101 | Microeconomics | 3 |
| ECON 101H | Microeconomics, Honors | 4 |
| ECON 102 | Macroeconomics | 3 |
| ECON 102H | Macroeconomics, Honors | 4 |
| ECON 103 (before Fall 98) | | |
| ECON 106 (Spring 92-Fall 17) | | |
| ECON 108 (before Spring 18) | | |
| ECON 114 | Environmental and Natural Resource Economics | 3 |
| ENGR 100 (before Fall 16) | | |
| ENVS 112 | American Environmental History [1] | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. (Spring 92 & after) [1] | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors [1] | 4 |
| ETHS 103 | The American Ethnic Cultural Experience [1] | 3 |
| ETHS 107 | Racism In America | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands [1] | 3 |
| ETHS 110 | Contemporary Ethnic Communities | 3 |
| ETHS 120 | Race, Ethnicity and Social Movements in the United States | 3 |
| ETHS 121 | Women of Color In The U.S. [1] | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. [1] | 3 |
| GEOG 102 | Human Geography | 3 |
| GEOG 104 | World Regional Geography | 3 |
| GEOG 105 | Economic Geography | 3 |
| GEOG 106 | Geography Of California | 3 |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| GLST 105 | Global Environmental Politics | 3 |
| GLST 110 (before Spring 15) | | |
| HIST 100 (before Spring 15) [1] | | |
| HIST 101 | History of the U.S. to 1877 [1] | 3 |
| HIST 102 | History of the U.S. Since 1865 [1] | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors [1] | 4 |
| HIST 103 | History of Western Civilization [1] | 3 |
| HIST 104 | History of Western Civilization [1] | 3 |
| HIST 105HR (before Fall 03) | | |
| HIST 107 | World Civilization, Beginnings to 1550 [1] | 3 |
| HIST 108 | World Civilization, 1550 to Present [1] | 3 |
| HIST 109 (before Spring 15) [1] | | |
| HIST 110 | History of American Women [1] | 3 |
| HIST 110H | History Of American Women (Honors) [1] | 4 |

| | | |
|---|---|---|
| HIST 111 | The American West as Frontier and Region [1] | 3 |
| HIST 112 | American Environmental History [1] | 3 |
| HIST 113H | History Of Western Civilization: 1600 To Present, Honors [1] | 4 |
| HIST 114 (Spring 92-Summer 19) | | |
| HIST 114H (before Fall 19) | | |
| HIST 115 | The Vietnam Wars [1] | 3 |
| HIST 116 (before Spring 15) [1] | | |
| HIST 117 (before Spring 15) [1] | | |
| HIST 120 | Modern Europe [1] | 3 |
| HIST 121 | History Of Great Britain [1] | 3 |
| HIST 122 | History Of Great Britain [1] | 3 |
| HIST 127 | History Of Russia [1] | 3 |
| HIST 130 (before Spring 15) [1] | | |
| HIST 131 (before Spring 15) [1] | | |
| HIST 132 (before Spring 15) [1] | | |
| HIST 133 | History of Latin America [1] | 3 |
| HIST 134 | History Of Latin America: 1800'S To Modern Period [1] | 3 |
| HIST 135 | History of Mexico [1] | 3 |
| HIST 137 | History of Religions of The Middle East [1] | 3 |
| HIST 138 | History of the Modern Middle East [1] | 3 |
| HIST 140 (Fall 92-Fall 14) | | |
| HIST 150 (before Fall 16) | | |
| HIST 151 (before Spring 15) [1] | | |
| HIST 152 (before Spring 15) [1] | | |
| INST 101 (before Spring 03) | | |
| JOUR 200 | Contemporary News Media and Society | 3 |
| NATA 101 | American Indian: Past and Present | 3 |
| NATA 102 | The Native American In 20th Century Society | 3 |
| NATA 103 | Native American Cultural Heritage (before Fall 24) | 3 |
| NATA 104 | California Indians | 3 |
| NATA 105 | California Tribes: The Chumash [1] | 3 |
| PHSC 105 (before Fall 95) [1] | | |
| PHSC 106 (before Fall 95) [1] | | |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/ Process | 3 |
| POLS 106H (before Spring 18) | | |
| POLS 110 | Politics, Society And The Mass Media | 3 |
| POLS 121 | International Politics | 3 |
| POLS 121H | International Politics, Honors | 4 |
| POLS 122 | International Organizations: Global and Regional Governance | 3 |
| POLS 126 (Spring 06-Spring 18) | | |
| POLS 130 (before Spring 15) | | |
| POLS 131 | Comparative Politics | 3 |
| POLS 132 | Political Thinking (Spring 97 & after) [1] | 3 |
| POLS 134H | Political Violence, Honors | 4 |
| POLS 136 | Middle East Government And Politics (Spring 07 & after) | 3 |
| POLS 151 | Law And Society (Spring 92 & after) | 3 |
| POLS 151H (before Fall 20) | | |
| PSY 100 | General Psychology | 3 |
| PSY 100H | General Psychology, Honors | 4 |
| PSY 112 | Introduction to Cognitive Psychology (Fall 19 & after) | 3 |
| PSY 115 | Psychology Of Health And Effective Behavior (Fall 09 & after) | 3 |
| PSY 120 | Introduction To Psychology | 3 |
| PSY 125 | Psychology Of Human Sexuality | 4 |
| PSY 130 | Personality Dynamics And Effective Behavior | 3 |
| PSY 135 | Psychology of Film | 3 |
| PSY 140 | Child Development | 3 |
| PSY 145 | Human Development (Spring 04 & after) | 3 |
| PSY 170 | Abnormal Psychology (Spring 94 & after) | 3 |
| PSY 175 | Social Psychology: Psychological Perspective (Fall 03 & after) | 3 |
| PSY 200 | Research Methods and Experimental Design in Psychology (Spring 94 & after) | 4 |
| PSY 210 | Introduction to Psychopharmacology | 3 |
| SOC 101 | Introduction To Sociology | 3 |
| SOC 101H | Introduction to Sociology, Honors | 4 |
| SOC 103 | Marriage, Family and Intimacy | 3 |
| SOC 104 | Social Psychology | 3 |
| SOC 106 | Sociology of Deviance | 3 |
| SOC 107 | Racism in America | 3 |
| SOC 109 | Social Problems | 3 |
| SOC 110 | Culture and Society Through Cartoons | 3 |
| SOC 113 | Sociology Of Sex and Gender | 3 |
| SOC 115 | Introduction To Social Research (Spring 99 & after) | 3 |
| SOC 118 | Media, Culture and Society | 3 |
| SOC 127 | Introduction to Women's Studies | 3 |
| SPAN 135 (Fall 92-Summer 05) | | |
| SPAN 136 (before Fall 20) | | |
| SPAN 138 (before Fall 20) | | |
| SPAN 139 | Contemporary Cultures Of Spain (before Fall 05) | 3 |
| SS 101 | Introduction to the Social Sciences | 3 |

[1] Designates courses listed in more than one area but can only be counted in one area.

**Area 5 — Physical and Biological Sciences**
*2 courses, 7 semester units or 9 quarter units with 1 course from 5A: Physical Science course and 1 from 5B: Biological Science course; at least 1 must include a laboratory to meet 5C.*

## 5A: Physical Sciences

| Code | Title | Units |
|---|---|---|
| BIOL 110 | Natural Science (Fall 92 & after) [1] | 3 |
| BIOL 110/111 (BIOL 110 Fall 92 & after, BIOL 111 before Fall 12) [1,2] | | |
| BIOL 110H (Fall 92-Summer 20) [1] | | |
| BIOL 110 & BIOL 141 | Natural Science and Biology Laboratory [1,2] | 5 |
| BIOL 142 | Marine Science (Spring 04 & after) | 3 |
| CHEM 101 | Introductory Chemistry [2] | 4 |
| CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry [2] | 4 |
| CHEM 107 (Fall 98-Summer 02) [2] | | |
| CHEM 155 | General Chemistry I [2] | 5 |
| CHEM 156 | General Chemistry II [2] | 5 |
| CHEM 211 | Organic Chemistry I | 3 |
| CHEM 211 & CHEM 221 | Organic Chemistry I and Organic Chemistry Laboratory I [2] | 5.3 |
| CHEM 212 | Organic Chemistry II | 3 |
| CHEM 212 & CHEM 222 | Organic Chemistry II and Organic Chemistry Laboratory II [2] | 5.5 |
| ERTH 101 | Introductory Astronomy | 3 |
| ERTH 101H | Introductory Astronomy, Honors | 4 |
| ERTH 101 & ERTH 102 | Introductory Astronomy and Observational Astronomy Laboratory [2] | 4 |
| ERTH 101H & ERTH 102 | Introductory Astronomy, Honors and Observational Astronomy Laboratory [2] | 5 |
| ERTH 106 | Black Holes and the Universe | 3 |
| ERTH 111 | Dynamic Earth - Physical Geology | 3 |
| ERTH 111H | Dynamic Earth - Physical Geology, Honors | 4 |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory [2] | 4 |
| ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory [2] | 5 |
| ERTH 112 | History Of The Earth | 3 |
| ERTH 112 & 112L | History Of The Earth and Historical Geology Laboratory [2] | 4 |
| ERTH 113 (Fall 94-Summer 20) | | |
| ERTH 114 | The Geology of California | 3 |
| ERTH 115 | Environmental Geology (before Fall 97 or Fall 02 & after) | 3 |
| ERTH 115 & 115L | Environmental Geology and Environmental Geology Laboratory (Fall 03 & after) [2] | 4 |
| ERTH 116 | Energy and Natural Resources (before Spring 97 or Fall 02 & after) | 3 |
| ERTH 122 | Dinosaurs (Spring 07 & after) | 3 |
| ERTH 125 | Mineralogy and Resources [2] | 5 |
| ERTH 126 | Petrology and Rock-Forming Minerals (Spring 06 & after) [2] | 5 |
| ERTH 141 | Physical Geography | 3 |
| ERTH 141 & 141L | Physical Geography and Physical Geography Laboratory [1,2] | 4 |
| ERTH 151 | Introductory Physical Oceanography | 3 |
| ERTH 151 & 151L | Introductory Physical Oceanography and Introductory Physical Oceanography Laboratory [2] | 4 |
| ERTH 152 | Weather and Climate | 3 |
| ERTH 152 & 152L | Weather and Climate and Weather and Climate Laboratory [2] | 4 |
| ENVS 115 | Environmental Geology | 3 |
| ENVS 115/115L | Environmental Geology (Spring 03 & after) [2] | 3 |
| ENVS 116 | Energy and Natural Resources | 3 |
| GEOG 101 | Physical Geography | 3 |
| GEOG 101/101L | Physical Geography [2] | 3 |
| GEOG 152 | Weather and Climate | 3 |
| GEOG 152/152L | Weather and Climate [2] | 3 |
| MUS 180 (before Fall 99) | | |
| MUS 180/182 (before Fall 96) [2] | | |
| PHSC 103 | The Physical Universe [2] | 4 |
| PHSC 107 | Nanoscience in Society [2] | 4 |
| PHYS 101 | Conceptual Physics | 3 |
| PHYS 101H (before Fall 14) [2] | | |
| PHYS 101 & 101L | Conceptual Physics and Conceptual Physics Laboratory [2] | 4 |
| PHYS 102 | Introductory Physics For Science Majors [2] | 4 |
| PHYS 105 | General Physics [2] | 4 |
| PHYS 106 | General Physics [2] | 4 |
| PHYS 110 | Introductory Physics [2] | 4 |
| PHYS 111 | Introductory Physics [2] | 4 |
| PHYS 113 (before Fall 99) | | |
| PHYS 113/113L (before Fall 99) [2] | | |
| PHYS 121 | Mechanics Of Solids And Fluids [2] | 5 |
| PHYS 122 | Electricity and Magnetism [2] | 5 |
| PHYS 123 | Heat, Light and Modern Physics [2] | 5 |

[1] Designates courses listed in more than one area but can only be counted in one area.
[2] Laboratory Course.

## 5B: Biological Sciences

| Code | Title | Units |
|---|---|---|
| ANTH 101 | Physical Anthropology | 3 |
| ANTH 101 & 101L | Physical Anthropology and Physical Anthropology Laboratory [2] | 4 |
| ANTH 101H | Physical Anthropology, Honors | 4 |
| ANTH 101H & ANTH 101L | Physical Anthropology, Honors and Physical Anthropology Laboratory [2] | 5 |
| BIOL 100 | Concepts Of Biology [2] | 4 |
| BIOL 101 | Plant Biology [2] | 4 |

| BIOL 102 | Animal Biology [2] | 5 |
|---|---|---|
| BIOL 104 (before Fall 19) | | |
| BIOL 103 | Cell and Molecular Biology [2] | 5 |
| BIOL 104 & 105 (before Fall 19) | | |
| BIOL 110 | Natural Science (Fall 92 & after) [1] | 3 |
| BIOL 110 & 111 (BIOL 110-Fall 92 & after, BIOL 111-before Fall 12) [1,2] | | |
| BIOL 110H (Fall 92-Summer 20) [1] | | |
| BIOL 110 & BIOL 141 | Natural Science and Biology Laboratory [1,2] | 5 |
| BIOL 112 | Evolution and Adaptation | 3 |
| BIOL 112 & BIOL 141 | Evolution and Adaptation and Biology Laboratory (Spring 06 & after) [1,2] | 5 |
| BIOL 112HR (before Fall 97) [2] | | |
| BIOL 114 (before Fall 97) | | |
| BIOL 114 & 115 (before Fall 97) [2] | | |
| BIOL 120 | Natural History [2] | 4 |
| BIOL 122 | Ecology | 3 |
| BIOL 122 & BIOL 123 | Ecology and Ecology Laboratory (Spring 04 & after) [2] | 4 |
| BIOL 124 | Biological Oceanography [2] | 4 |
| BIOL 125 | Marine Biology [2] | 4 |
| BIOL 126 | Aquatic Ecosystems (Fall 15 & after) [4] | 3 |
| BIOL 140 | Principles of Biology (Spring 99 & after) | 3 |
| BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory (BIOL 140-Spring 99 & after, BIOL 141-Spring 06 & after) [1,2] | 5 |
| BIOL 144 | Biogeography (Fall 15 & after) | 3 |
| BIOL 150 | Biodiversity (Fall 03 & after) | 3 |
| BIOL 161 | DNA and Society | 3 |
| BIOL 171 | Human Evolution | 3 |
| BIOL 172 | Symbiosis (Fall 07-Summer 09 or Fall 22 & after) | 3 |
| BMS 100 | The Human Body [2] | 4 |
| BMS 107 | Human Anatomy [2] | 4 |
| BMS 108 | Human Physiology [2] | 4 |
| BMS 109 (before Spring 15) [2] | | |
| BMS 118 | Human Microanatomy (Fall 15 & after) | 3 |
| BMS 127 | Medical Microbiology [2] | 4 |
| BMS 136 | Biology Of Human Sexuality (before Fall 92 or Spring 00 & after) | 3 |
| BMS 157 | General Microbiology [2] | 4 |
| BOT 100 | Concepts of Botany [2] | 4 |
| BOT 121 | Plant Diversity [2] | 4 |
| BOT 122 | Flowering Plant Identification (Spring 92 & after) [2,3] | 3 |
| BOT 123 | Field Botany | 3 |
| BOT 129 (before Fall 20) | | |
| EH 102 | Soils And Plant Nutrients (Fall 17 & after) | 3 |

| EH 110 | Introduction to Horticulture (Fall 15 & after) | 3 |
|---|---|---|
| EH 112 | Ecological Restoration I (Fall 17 & after) | 3 |
| ENVS 110 | Humans And The Biological Environment | 3 |
| ENVS 110 & ENVS 111 | Humans And The Biological Environment and Environmental Field Studies [2] | 4 |
| HIT 204 | Basic Pathophysiology (Fall 23 & after) | 3 |
| PSY 110 | Introduction to Physiological Psychology (Spring 92 & after) | 3 |
| ZOOL 110 | Animal Physiology | 3 |
| ZOOL 122 | Animal Diversity [5] | 3 |
| ZOOL 122 & ZOOL 123 | Animal Diversity and Animal Diversity Laboratory [2] | 4 |
| ZOOL 124 (before Fall 15) [2] | | |
| ZOOL 124 | Insect Biology (Fall 15 & after) | 3 |
| ZOOL 137 | Ornithology (Spring 06 & after) | 3 |
| ZOOL 140 | Animal Behavior | 3 |

[1] Designates courses listed in more than one area but can only be counted in one area.

[2] Laboratory Course.

[3] BOT 122 Flowering Plant Identification is a 3-unit lab science. Students *MUST* complete 4 units of 5A (Physical Sciences) or an additional course in 5B (Biological Sciences) to complete the units required in Area 5.

[4] BIOL 126 (before Fall 15) will also satisfy this requirement. Before Fall 15, this course was 4 units and included a lab.

[5] ZOOL 122 (before Spring 03), will also satisfy this requirement. Before Spring 03, this course was 4 units and included a lab.

### 5C: Laboratory Activity

Requirement must be met by any lab associated with the course taken to satisfy either 5A or 5B. Courses with footnote #2 include an associated laboratory component.

### Area 6A − Language other than English

**(UC requirement only)** - Proficiency equivalent to two years of high school study in the same language, with a grade of "C"-minus or better OR 1 course from the following list (or a more advanced course: 102, 103, 104) with a grade of "C" or better or Pass. Consult with a counselor for other available options to meet this requirement.

***Note:*** *The first quarter of foreign language study is not sufficient to satisfy this requirement—2 quarters minimum required.*

| Code | Title | Units |
|---|---|---|
| ASL 101 | Beginning American Sign Language I | 5 |
| ARBC 101 | Beginning Modern Standard Arabic I | 5 |
| CHST 117 (before Fall 06) | | |
| CHIN 101 | Beginning Chinese I | 5 |
| FR 101 | Beginning French I | 5 |
| GER 101 | Beginning German I | 5 |
| HEBR 101 | Beginning Modern Hebrew I | 5 |
| ITAL 101 | Beginning Italian I | 5 |

| JAPN 101 | Beginning Japanese I | 5 |
|---|---|---|
| KOR 101 | Beginning Korean I | 5 |
| LATN 101 | Beginning Latin I | 5 |
| RUS 101 (before Fall 97) | | |
| SPAN 101 | Beginning Spanish I | 5 |
| SPAN 101CD (before Fall 14) | | |
| SPAN 132 | Introduction to Literary Analysis | 3 |
| SPAN 145 (before Fall 06) | | |

### Area 7 – Ethnic Studies
*1 course, 3 semester units or 4 quarter units.*

**NOTE:** Students whose first term of enrollment in college following high school graduation is Fall 2023 (or after) will need to complete the Area 7 requirement to obtain full IGETC Certification. Students who started at SBCC (or any other CCC or CSU) prior to Fall 2023 and have maintained continuous enrollment may complete 9 semester units in Area 4 instead of 3 semester units in Area 7 and 6 semester units in Area 4. Consult a counselor for details.

| Code | Title | Units |
|---|---|---|
| ASAM 101 | Comparative Asian-American History, 1849-1965 (Fall 23 & after) | 3 |
| ASAM 102 | Contemporary Asian-American History (Fall 23 & after) | 3 |
| BLST 101 | The African-American In U.S. History To World War II (Fall 23 & after) | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present (Fall 23 & after) | 3 |
| BLST 103 | African-American Culture (Fall 23 & after) | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. (Fall 23 & after) | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present (Fall 23 & after) | 3 |
| CHST 103 | Mexican-American (Chicano) Culture (Fall 23 & after) | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature (Fall 23 & after) | 3 |
| CHST 121 | The Chicana And Other Latina Women (Fall 23 & after) | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. (Fall 23 & after) | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors (Fall 23 & after) | 4 |
| ETHS 107 | Racism In America (Fall 23 & after) | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands (Fall 23 & after) | 3 |
| ETHS 121 | Women of Color In The U.S. (Fall 23 & after) | 3 |
| NATA 101 | American Indian: Past and Present (Fall 23 & after) | 3 |
| NATA 102 | The Native American In 20th Century Society (Fall 23 & after) | 3 |
| SOC 107 | Racism in America (Fall 23 & after) | 3 |

### CSU Graduation Requirement in U.S. History, Constitution and American Ideals
This requirement is in addition to IGETC and may be met before or after transfer to the CSU. However, at the discretion of the CSU campus granting the degree, courses meeting this requirement may also be counted toward certification in general education. Students satisfy this CSU graduation requirement through coursework in three areas: US-1, US-2 and US-3. A student must take one course from each of the three areas. A student may use the same course to satisfy more than one area (US-1, US-2, US-3), if applicable. *Note:* The combination of HIST 101 History of the U.S. to 1877 and HIST 102 History of the U.S. Since 1865 (or HIST 102H History Of The U.S. Since 1865, Honors) may also satisfy this requirement but *ONLY* if both courses were completed before Fall 2004.

### US – 1: Historical Development of American Institutions and Ideals
| Code | Title | Units |
|---|---|---|
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present (before Fall 04) | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| HIST 100 (before Spring 15) | | |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors | 4 |
| HIST 105HR (before Fall 03) | | |
| HIST 110 | History of American Women | 3 |
| HIST 114 (before Fall 19) | | |
| HIST 114H (before Fall 19) | | |
| HIST 116 (before Spring 15) | | |
| NATA 101 | American Indian: Past and Present | 3 |

### US – 2: U.S. Constitution and Government
| Code | Title | Units |
|---|---|---|
| AJ 245 | Constitutional Law | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/Process | 3 |
| POLS 106H (before Fall 04) | | |

### US – 3: U.S. California State and Local Government:
| Code | Title | Units |
|---|---|---|
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/Process | 3 |
| POLS 106H (before Fall 04) | | |

**Note: Students who will graduate from a CSU in 2024-2025 or after will need an Ethnic Studies course, which may be taken prior to or after transfer. Please refer to IGETC Area 7 or to the 2023-24 CSU GE Breadth pattern Area F for a list of SBCC approved courses that satisfy this requirement.**

### American History and Institutions Requirement for UCSB

UCSB is one of the UC campuses that require a college-level American History and Institutions course. The following courses at SBCC satisfy this requirement and can be counted for IGETC in the area where they appear listed:

| Code | Title | Units |
|------|-------|-------|
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 105 | Diversity, Law and Justice | 3 |
| AJ 245 | Constitutional Law | 3 |
| ART 106 | History Of American Art | 3 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| ASAM 102 | Contemporary Asian-American History | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | 4 |
| BLST 103 | African-American Culture | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | 3 |
| CHST 103 | Mexican-American (Chicano) Culture | 3 |
| CHST 121 | The Chicana And Other Latina Women | 3 |
| ENG 225 | American Literature: Pre-Colonization to 1865 | 3 |
| ENG 226 | American Literature: 1865-present | 3 |
| ENG 226H | American Literature, Honors | 4 |
| ENVS 112 | American Environmental History | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| ETHS 107 | Racism In America | 3 |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors | 4 |
| HIST 110 | History of American Women | 3 |
| HIST 110H | History Of American Women (Honors) | 4 |
| HIST 111 | The American West as Frontier and Region | 3 |
| HIST 112 | American Environmental History | 3 |
| NATA 101 | American Indian: Past and Present | 3 |
| NATA 102 | The Native American In 20th Century Society | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/ Process | 3 |
| POLS 151 | Law And Society | 3 |
| SOC 107 | Racism in America | 3 |

Any of these courses may be used to meet UCSB's American History and Institutions Requirement, as well as a requirement for IGETC. There are other options available to students to satisfy this requirement (consult with an academic counselor).

### Advanced Placement

For complete information regarding Advanced Placement exams applicable to IGETC certification, see "Advanced Placement" in the *Catalog* Index.

### International Baccalaureate

For complete information regarding International Baccalaureate exams applicable to IGETC certification, see "International Baccalaureate" in the *Catalog* Index.

### Certificate of Achievement in IGETC

The Certificate of Achievement in IGETC at Santa Barbara City College is designed for transfer-bound students who complete their lower-division General Education requirements through the IGETC pattern prior to transferring to a University of California or a California State University campus.  Students must complete all of the IGETC requirements as outlined above for a total of 35-40 semester units. All courses must be completed with a "C" grade or better or "Pass" (equivalent to a grade of "C" or better).

### Frequently Asked Questions About IGETC

**1. What is IGETC?** The Intersegmental General Education Transfer Curriculum (IGETC) is a pattern of courses that California community college students can follow to satisfy lower-division General Education requirements at any California State University (CSU) or University of California (UC) campus. Completion of IGETC qualifies students to receive a Certificate of Achievement from SBCC. **Students who do not qualify for a full or partial certification of their IGETC before transfer will be required to complete the General Education pattern of the UC or CSU campus to which they transfer.** Students should be aware that additional courses are often required to fully satisfy the General Education requirements of the particular UC or CSU campus to which they transfer.

**2. Is IGETC an admission requirement? No,** IGETC is not advisable for all transfer students. Completion of IGETC is NOT an admission requirement for transfer to a CSU or UC, nor is it the only way to fulfill the lower-division General Education requirements of the CSU or UC prior to transfer. Note: UC Berkeley's College of Letters and Science requires full completion of the IGETC or completion of the Essential Skills Requirement by the end of spring term for fall admission as selection criteria for admission.

In general, all UC and CSU campuses highly recommend completion of IGETC for most majors, and some rank students for admission based on how closely they complete their lower-division General Education before transferring. However, there are some exceptions where completion of IGETC is not acceptable.  For more information, visit: *https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html.*

Completion of IGETC does NOT guarantee admission to a student's major or campus of choice. Students should meet with an academic counselor to discuss UC and CSU admission requirements. Refer to https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/.

**3. Is it advisable for all transfer students to follow IGETC?**
**No.** IGETC will be most useful to students who want to keep their options open before making a final decision about transferring to a particular UC or CSU campus. Some students may be better served by taking courses to fulfill CSU's General Education/breadth requirements or those of a particular UC or CSU campus. In general, students who are pursuing majors that require extensive lower-division preparation for admission to the major (such as Engineering or other sciences) should not use IGETC (see "IGETC Campus Guidance" at *https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/preparing-to-transfer/general-education-igetc/igetc/campus-guidance.html* for additional information). Students pursuing these majors are normally advised to complete as much preparation for their major as possible before transfer. Students should meet with an academic counselor to discuss major preparation required for their campus and refer to www.assist.org *(*http://www.assist.org*)* for further information on major requirements. A student who is initially enrolled at a UC and is returning to the **same** UC campus (after attending a community college) is considered a "readmit" and **cannot** use IGETC. However, students who initially enroll at a UC, attend a community college and return to a **different** UC campus, may be able to use IGETC, but should check with the campus they wish to attend. This restriction does not apply to students who have taken UC summer session or Extension classes only.

**4. Must the entire IGETC pattern be completed prior to transfer?**
**No.** However, to be eligible for full IGETC certification, students MUST complete all IGETC requirements before enrolling at a UC or CSU campus. Partial IGETC certification is defined as completing all but one (1) OR two (2) courses on the IGETC pattern. The student may be "partially certified" and complete the missing courses after transfer in a way that is acceptable to the receiving institution. Warning: Students need Areas 1 and 2 completed to meet minimum transfer admission requirements. Therefore, partial certification that acknowledges a deficiency in Area 1 and/or 2 may also indicate a student does not meet minimum transfer requirements. Note: Refer to question 2 above for UC Berkeley's College of Letters and Science admission requirements.

**5. May coursework completed at other institutions be used to certify a student's completion of IGETC? Yes.** However, only courses completed at U.S. regionally-accredited institutions can be used under the following conditions: (1) Coursework from other California community colleges (CCC) will be placed in the IGETC category listed by that campus. Courses must have been on that college's IGETC list when the courses were completed. Check the ASSIST website at www.assist.org *(*http://www.assist.org*)* for IGETC-approved courses from California community colleges . (2) Students transferring from institutions outside of the California community college system may have courses certified for IGETC *only if an equivalent course is taught at a CCC*. Such courses would be placed in the same IGETC category as the equivalent CCC course. Please consult with an academic counselor. (3) **Courses taken at foreign institutions are not permitted** for certification on the IGETC unless the institution is regionally accredited in the U.S.

**6. Is there a minimum grade required in all courses used for IGETC certification? Yes**. IGETC courses must be completed with a grade of "C" (2.0) or better (a "C-minus" cannot be used). A grade of Credit or Pass may be used if the college's policy states it is equivalent to a grade of "C" (2.0) or better.

**7. Can a course be used to satisfy more than one subject area?**
**No.** Even though a course may be listed in more than one area on IGETC, a course may only be counted in one area (the only exception is an advanced course that meets Area 6A Language Other Than English). However, courses used for IGETC can also count toward preparation for major requirements, except for individual CSU campus restrictions.

**8. Can Advanced Placement (AP) scores be applied to IGETC?**
**Yes.** AP scores of 3, 4 or 5 can be used to satisfy certain IGETC subject areas except the Critical Thinking/English Composition or the Oral Communication requirements (Areas 1B & 1C). Each AP score can only be used as one course; however, more than one AP score can be used in each area except Area 1. Refer to the IGETC AP chart for a list of approved AP scores and the corresponding IGETC area credit.

**9. Can International Baccalaureate (IB) scores be applied to IGETC?**
**Yes.** IB scores of 5, 6 or 7 can be used to satisfy certain IGETC subject areas. Each IB score can only be used as one course. However, more than one IB score can be used in each area. Refer to the IGETC IB chart for a list of approved IB scores and the corresponding IGETC area credit.

**10. Is certification of IGETC completion automatic? No.** Certification of IGETC must be requested at the SBCC Transfer Center (SS-140) after the student completes the IGETC requirements. Certification applications may be obtained from the Transfer Center (SS140) or at http://articulation.sbcc.edu/uforms/figetc/igetcapplication.pdf and must be submitted to the Transfer Center. Certification will not be made when courses are still in progress or before grades are known. Certification of IGETC is the responsibility of the last California community college a student attends prior to transfer. Students must attach their unopened official transcripts from other colleges to their request for IGETC certification unless they have already submitted an official transcript to SBCC's Admissions & Records Office.

**11. Is there a minimum unit value per course? Yes.** All courses must have a minimum unit value of 3 semester or 4 quarter units. When combining quarter and semester unit values within an IGETC area, units should be converted to either all quarter or all semester units, whichever best meets the minimum unit requirement for that area.

# CSU GEB
# General Education Patterns for Transfer

Santa Barbara City College students have several options to complete a General Education pattern prior to transfer:

1. Intersegmental General Education Transfer Curriculum (IGETC)
2. California State University General Education Breadth Pattern (CSU GE Breadth)
3. Campus-specific General Education Pattern

# California State University General Education Breadth

SBCC strongly recommends completion of the SBCC-CSU lower division G. E. B. pattern (39 units minimum) prior to transfer. Completion of the CSU GE Breadth pattern qualifies students to receive a Certificate of Achievement from SBCC. Completion of the G.E. requirements is not required for admission to CSU. However, students who do not complete all the lower division G.E. requirements can only be "partially certified." As a result, these students will be subject to additional lower-division G.E. requirements after transfer. Some campuses are moving toward requiring full completion of lower division general education before transfer. Please refer to the respective CSU campus catalogue for campus-specific G.E.B. requirements. Even though a course may be listed in more than one area on CSU GE, a course may only be counted in one area for certification. *A grade of C minus or better is required for certification in Areas A1, A2, A3 and B4.* In order to graduate from the CSU, a minimum of 9 additional upper-division semester units (or 12 upper-division quarter units) from GE areas "B", "C", and "D" must be completed at the student's CSU campus of choice after transfer. Students have the option of completing IGETC instead of the CSU GE Breadth Pattern to fulfill the G.E requirements for CSU. For more information about IGETC, visit the the IGETC section of this catalog (p.        ). *(https://catalog.sbcc.edu/transfer-curricula/ #igetctext)*

## CSU GE Breadth Certification

Certification must be requested after the student completes the CSU GE Breadth requirements. Certification applications may be obtained from the Transfer Center (SS-140) or at http://articulation.sbcc.edu/uforms/ fcsuge/csugeapplication.pdf and must be submitted to the Transfer Center. Certification will not be processed when courses are still in progress or before grades are known. Certification is the responsibility of the *last* California community college a student attends prior to transfer. Students must attach their *official transcripts* from other colleges to their request for certification unless they have already submitted an *official copy* to SBCC's Admissions & Records Office.

## Santa Barbara City College 2023-2024 CSU General Education Breadth Courses

CSU General Education Breadth requirements for Santa Barbara City College are also available on the articulation website *(http:// articulation.sbcc.edu/)* and on the  ASSIST website at www.assist.org *(http://www.assist.org)*.

Completion of the CSU General Education Breadth pattern represents approximately 39 units of the total transferable units required for CSU transfer admissions.

*Important Note: Courses listed in more than one area of CSU GE (Areas A-F) can only be counted in one area.*

## Area A — English Language Communication and Critical Thinking

(9 semester units or 12 quarter units with 1 course from each subarea A1, A2 and A3)

### A1—Oral Communication (3 semester or 4 quarter units)

| Code | Title | Units |
|------|-------|-------|
| COMM 121 | Interpersonal Communication (Fall 98 & after) | 3 |
| COMM 121H | Interpersonal Communication, Honors (Fall 03 & after) | 3 |
| COMM 122 | Mediated Interpersonal Communication (Fall 14-Summer 24) | 3 |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| COMM 131H | Fundamentals Of Public Speaking, Honors | 3 |
| COMM 141 | Small Group Communication | 3 |
| COMM 161 | Communication in Organizations | 3 |
| COMM 162 | Mediated Communication in Organizations (Fall 14 & after) | 3 |
| COMM 235 | Argumentation and Debate (Fall 10 & after) | 3 |
| IS 102 (Fall 14-Summer 17) | | 1 |

### A2—Written Communication (3 semester or 4 quarter units)

| Code | Title | Units |
|------|-------|-------|
| ENG 110 | Composition and Reading | 4 |
| ENG 110GB (before Summer 15) | | |
| ENG 110E | Composition and Reading, Enhanced | 4 |
| ENG 110H | Composition and Reading, Honors | 4 |

### A3—Critical Thinking (3 semester or 4 quarter units)

| Code | Title | Units |
|------|-------|-------|
| COMM 235 | Argumentation and Debate | 3 |
| ENG 103 | Critical Thinking and Reading | 3 |
| ENG 111 | Critical Thinking and Composition Through Literature | 3 |
| ENG 111GB (before Spring 15) | | |
| ENG 111H | Critical Thinking and Composition Through Literature, Honors | 3 |
| ENG 111HG (before Spring 15) | | |
| ENG 115 | Argumentative Writing and Critical Thinking (before Fall 04 or Fall 19 & after) | 3 |
| ENG 115H (before Spring 15) | | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | 3 |
| PHIL 205 | Introduction to Logic | 3 |

## Area B — Scientific Inquiry and Quantitative Reasoning

(9-12 semester units or 12 quarter units with at least 1 course from each sub-area B1, B2 and B4, plus a laboratory activity related to one of the completed science courses.)

### B1—Physical Science (3 semester or 4 quarter units)

| Code | Title | Units |
|------|-------|-------|
| BIOL 110 | Natural Science | 3 |
| BIOL 110 & 111 (before Fall 12) [1] | | |
| BIOL 110H (before Fall 20) | | |
| BIOL 142 | Marine Science (before Fall 24) | 3 |
| CHEM 101 | Introductory Chemistry [1] | 4 |
| CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry [1] | 4 |
| CHEM 110 | Survey of Chemistry | 3 |
| CHEM 155 | General Chemistry I [1] | 5 |
| CHEM 156 | General Chemistry II [1] | 5 |
| CHEM 211 | Organic Chemistry I | 3 |
| CHEM 211 & CHEM 221 | Organic Chemistry I and Organic Chemistry Laboratory I [1] | 5.3 |
| CHEM 212 | Organic Chemistry II | 3 |

| Code | Title | Units |
|---|---|---|
| CHEM 212 & CHEM 222 | Organic Chemistry II and Organic Chemistry Laboratory II [1] | 5.5 |
| ERTH 101 | Introductory Astronomy | 3 |
| ERTH 101H | Introductory Astronomy, Honors | 4 |
| ERTH 101 & ERTH 102 | Introductory Astronomy and Observational Astronomy Laboratory [1] | 4 |
| ERTH 101H & ERTH 102 | Introductory Astronomy, Honors and Observational Astronomy Laboratory [1] | 5 |
| ERTH 104 | Introductory Astrophysics | 3 |
| ERTH 106 | Black Holes and the Universe | 3 |
| ERTH 111 | Dynamic Earth - Physical Geology | 3 |
| ERTH 111H | Dynamic Earth - Physical Geology, Honors | 4 |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory [1] | 4 |
| ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory [1] | 5 |
| ERTH 112 | History Of The Earth | 3 |
| ERTH 112 & 112L | History Of The Earth and Historical Geology Laboratory [1] | 4 |
| ERTH 113 (before Fall 20) | | |
| ERTH 113+111L (before Fall 20) [1] | | |
| ERTH 113+112L (before Fall 20) [1] | | |
| ERTH 114 | The Geology of California | 3 |
| ERTH 114 & ERTH 111L | The Geology of California and Dynamic Earth - Physical Geology Laboratory | 4 |
| ERTH 114 & ERTH 112L | The Geology of California and Historical Geology Laboratory | 4 |
| ERTH 115 | Environmental Geology | 3 |
| ERTH 115 & 115L | Environmental Geology and Environmental Geology Laboratory [1] | 4 |
| ERTH 116 | Energy and Natural Resources | 3 |
| ERTH 122 | Dinosaurs (Spring 07 & after) | 3 |
| ERTH 125 | Mineralogy and Resources [1] | 5 |
| ERTH 126 | Petrology and Rock-Forming Minerals (Spring 06 & after) [1] | 5 |
| ERTH 141 | Physical Geography | 3 |
| ERTH 141 & 141L | Physical Geography and Physical Geography Laboratory [1] | 4 |
| ERTH 151 | Introductory Physical Oceanography | 3 |
| ERTH 151 & 151L | Introductory Physical Oceanography and Introductory Physical Oceanography Laboratory [1] | 4 |
| ERTH 152 | Weather and Climate | 3 |
| ERTH 152 & 152L | Weather and Climate and Weather and Climate Laboratory | 4 |
| ENVS 115 | Environmental Geology | 3 |
| ENVS 115 & 115L | Environmental Geology and Environmental Geology Laboratory [1] | 4 |
| ENVS 116 | Energy and Natural Resources | 3 |
| GEOG 101 | Physical Geography | 3 |
| GEOG 101 & 101L | Physical Geography and Physical Geography Laboratory [1] | 4 |
| GEOG 152 | Weather and Climate (Spring 10 & after) | 3 |
| GEOG 152 & 152L | Weather and Climate and Weather and Climate Laboratory (GEOG 152, Spring 10 & after) [1] | 4 |
| PHSC 103 | The Physical Universe [1] | 4 |
| PHSC 107 | Nanoscience in Society [1] | 4 |
| PHYS 101 | Conceptual Physics | 3 |
| PHYS 101H (before Fall 14) [1] | | |
| PHYS 101 & 101L | Conceptual Physics and Conceptual Physics Laboratory [1] | 4 |
| PHYS 102 | Introductory Physics For Science Majors [1] | 4 |
| PHYS 105 | General Physics [1] | 4 |
| PHYS 106 | General Physics [1] | 4 |
| PHYS 110 | Introductory Physics [1] | 4 |
| PHYS 111 | Introductory Physics [1] | 4 |
| PHYS 121 | Mechanics Of Solids And Fluids [1] | 5 |
| PHYS 122 | Electricity and Magnetism [1] | 5 |
| PHYS 123 | Heat, Light and Modern Physics [1] | 5 |

[1]  Laboratory science course.

## B2—Life Science (3 semester or 4 quarter units)

| Code | Title | Units |
|---|---|---|
| ANTH 101 | Physical Anthropology | 3 |
| ANTH 101 & 101L | Physical Anthropology and Physical Anthropology Laboratory [1] | 4 |
| ANTH 101H | Physical Anthropology, Honors [1] | 4 |
| ANTH 101H & ANTH 101L | Physical Anthropology, Honors and Physical Anthropology Laboratory [1] | 5 |
| BIOL 100 | Concepts Of Biology [1] | 4 |
| BIOL 101 | Plant Biology [1] | 4 |
| BIOL 102 | Animal Biology [1] | 5 |
| BIOL 103 | Cell and Molecular Biology | 5 |
| BIOL 104 (before Fall 19) | | |
| BIOL 104 & 105 (before Fall 19) | | |
| BIOL 106 (before Spring 15) [1] | | |
| BIOL 110 | Natural Science | 3 |
| BIOL 110 & 111 (before Fall 12) [1] | | |
| BIOL 110H (before Fall 20) | | |
| BIOL 112 | Evolution and Adaptation | 3 |
| BIOL 112 & BIOL 141 | Evolution and Adaptation and Biology Laboratory (Spring 06 & after) [1] | 5 |
| BIOL 120 | Natural History [1] | 4 |

| BIOL 122 | Ecology | 3 |
|---|---|---|
| BIOL 122 & BIOL 123 | Ecology and Ecology Laboratory [1] | 4 |
| BIOL 124 | Biological Oceanography [1] | 4 |
| BIOL 125 | Marine Biology [1] | 4 |
| BIOL 126 | Aquatic Ecosystems (Fall 15 & after) [2] | 3 |
| BIOL 140 | Principles of Biology | 3 |
| BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory (Spring 06 & after) [1] | 5 |
| BIOL 142 | Marine Science (Fall 22 & after) | 3 |
| BIOL 144 | Biogeography | 3 |
| BIOL 150 | Biodiversity | 3 |
| BIOL 161 | DNA and Society | 3 |
| BIOL 171 | Human Evolution | 3 |
| BIOL 172 | Symbiosis (Fall 07 & after) | 3 |
| BMS 100 | The Human Body [1] | 4 |
| BMS 107 | Human Anatomy [1] | 4 |
| BMS 108 | Human Physiology [1] | 4 |
| BMS 109 (before Spring 15) [1] | | |
| BMS 117 (before Spring 15) [1] | | |
| BMS 118 | Human Microanatomy (Fall 05-Summer 15) [1] | 3 |
| BMS 118 | Human Microanatomy (Fall 15 & after) | 3 |
| BMS 127 | Medical Microbiology [1] | 4 |
| BMS 136 | Biology Of Human Sexuality | 3 |
| BMS 146 | Human Form and Function | 3 |
| BMS 146 & 146L | Human Form and Function and Human Form and Function Laboratory [1] | 4 |
| BMS 157 | General Microbiology [1] | 4 |
| BOT 100 | Concepts of Botany [1] | 4 |
| BOT 121 | Plant Diversity [1] | 4 |
| BOT 122 | Flowering Plant Identification [1] | 3 |
| BOT 123 | Field Botany | 3 |
| BOT 129 (before Fall 20) | | |
| EH 102 | Soils And Plant Nutrients (Fall 17 & after) | 3 |
| EH 110 | Introduction to Horticulture (Fall 15 & after) | 3 |
| EH 112 | Ecological Restoration I (Fall 17 & after) | 3 |
| ERTH 122 | Dinosaurs (Spring 07 & after) | 3 |
| ENVS 110 | Humans And The Biological Environment | 3 |
| ENVS 110 & ENVS 111 | Humans And The Biological Environment and Environmental Field Studies [1] | 4 |
| HIT 204 | Basic Pathophysiology (Fall 23 & after) | 3 |
| PSY 110 | Introduction to Physiological Psychology | 3 |
| ZOOL 110 | Animal Physiology | 3 |
| ZOOL 122 | Animal Diversity | 3 |

| ZOOL 122 & ZOOL 123 | Animal Diversity and Animal Diversity Laboratory [1] | 4 |
|---|---|---|
| ZOOL 124 | Insect Biology (Fall 15 & after) [3] | 3 |
| ZOOL 137 | Ornithology (Spring 06 & after) | 3 |
| ZOOL 140 | Animal Behavior | 3 |

[1]  Laboratory science course.
[2]  BIOL 126 (before Fall 2015) will also satisfy this requirement. Before Fall 2015, this course was 4 units and included a lab.
[3]   ZOOL 124 (before Fall 15) will also satisfy this requirement. Before Fall 15, this course was 4 units and included a lab.

## B3—Laboratory Activity

Requirement met by any lab associated with the course taken to satisfy either B1 or B2. Courses with footnote #1 include an associated laboratory component.

## B4—Mathematics/Quantitative Reasoning (3 semester or 4 quarter units)

| Code | Title | Units |
|---|---|---|
| CS 108 | Discrete Structures | 4 |
| CS 143 (before Fall 15) | | 4 |
| CS 133 | Introduction to Programming for Engineers (Fall 23 & after) | 3 |
| FIN 100 | Personal Finance (Fall 22 & after) | 3 |
| MATH 108 | Mathematical Concepts for Elementary School Teachers-Number Systems (Fall 08 & after) | 4 |
| MATH 114 | Mathematics for Liberal Arts Majors | 4 |
| MATH 117 | Elementary Statistics | 4 |
| MATH 117AB | | |
| MATH 117H (before Fall 19) | | |
| MATH 120 (before Summer 19) | | |
| MATH/CS 118 | Data Science for All (Fall 22 & after) | 4 |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | 5 |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | 3 |
| MATH 137 | College Algebra | 5 |
| MATH 138 | Precalculus - College Algebra and Trigonometry | 4 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 180 | Transition to Advanced Mathematics | 4 |
| MATH 200 | Multivariable Calculus | 4 |
| MATH 210 | Linear Algebra | 4 |
| MATH 220 | Differential Equations | 4 |
| PSY 150 | Statistics for the Behavioral Sciences | 4 |
| SOC 125 | Introduction to Statistics in Sociology | 4 |

## Area C — Arts and Humanities

(9 semester units or 12 quarter units with at least one course in the arts and one in the humanities)

### C1—Arts — Arts, Cinema, Dance, Music, Theater

| Code | Title | Units |
|---|---|---|
| ART 100 | Art in Culture (Fall 19 & after) | 3 |
| ART 101 | Visual Literacy | 3 |

| | | |
|---|---|---|
| ART 102A | Early Twentieth Century Art, 1900-1945 | 3 |
| ART 102B | Late Twentieth Century Art | 3 |
| ART 103 | History of Art, Prehistoric to Gothic | 3 |
| ART 103H | History of Art, Prehistoric to Gothic, Honors | 3 |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| ART 104H | History Of Art, Renaissance To Modern, Honors | 3 |
| ART 106 | History Of American Art | 3 |
| ART 107 (before Fall 12) | | |
| ART 108 | History of Asian Art | 3 |
| ART 109 (before Fall 15) | | |
| ART 110 | History of Women in Art | 3 |
| ART 111 | Survey Of Tribal Arts | 3 |
| ART 112 | Survey Of Ancient American Art | 3 |
| ART 113 | Survey Of Architecture (before Spring 08 or Fall 15 & after) | 3 |
| ART 114 | History Of Photography | 3 |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 130 | Integrated Drawing and Painting | 3 |
| ART 132 | Fundamentals of Painting | 3 |
| ART 210 | Survey Of Renaissance And Baroque Art | 3 |
| ART 211 | Nineteenth Century Art | 3 |
| ART 213A (before Fall 12) | | |
| ART 213B (before Fall 12) | | |
| ART 215 | Survey Of Non-Western Art | 3 |
| ART 216 | Survey Of Islamic Art And Architecture | 3 |
| ART 217 (before Fall 12) | | |
| BLST 111 | The African-American Music Experience | 3 |
| CHST 130 | History Of Mexican Art | 3 |
| CHST 131 | History Of Chicano Art | 3 |
| CHST 160 | Chicano Theatre | 3 |
| ENG 242 | Contemporary Dramatic Literature | 3 |
| FS 101 | Introduction to Film Studies | 3 |
| FS 101H | Introduction to Film Studies, Honors | 4 |
| FS 104 | American Film to 1960's | 3 |
| FS 105 | Introduction to Television Studies | 3 |
| FS 107 | Contemporary American Film | 3 |
| FS 109 | Film and Cultural Criticism (Fall 17 & after) | 3 |
| FS 112A | French Film | 3 |
| FS 112C | Spanish and Latin American Film | 3 |
| FS 113 | Experimental Film | 3 |
| FS 115 | The Vietnam War in Film | 3 |
| FS 116 | Gender and Sexuality in Film | 3 |
| FS 118 | Film Genres | 3 |
| FS 119 | Film Comedy | 3 |
| FS 120 | Visionary Filmmakers | 3 |
| FS 121 | Documentary Film | 3 |
| GDP 116 | History of Graphic Design | 3 |

| | | |
|---|---|---|
| ID 103 | Historical Furniture (Fall 13 & after) | 3 |
| MAT 103 | Introduction to Multimedia (Fall 19 & after) | 3 |
| MUS 100 | Fundamentals Of Music Techniques (before Fall 04) | 3 |
| MUS 102A | Basic Musicianship | 3 |
| MUS 104A | Beginning Theory | 3 |
| MUS 110 | Music Appreciation | 3 |
| MUS 110H (before Fall 20) | | |
| MUS 112 | History of Jazz | 3 |
| MUS 114A | Survey of Music History | 3 |
| MUS 114B | Survey of Music History | 3 |
| MUS 115 | History And Appreciation Of Rock And Popular Music | 3 |
| MUS 118 | World Music | 3 |
| MUS 119 (before Fall 20) | | |
| MUS 120A | Sound Recording And Electronic Music | 3 |
| MUS 140A | Beginning Piano (before Fall 12) | 1 |
| MUS 146 | Beginning Guitar (before Fall 12) | 1 |
| MUS 150 | Beginning String Techniques (before Fall 12) | 1 |
| MUS 152 | Beginning Wind And Percussion Techniques (before Fall 12) | 1 |
| MUS 154 | Vocal Techniques I (before Fall 12) | 1 |
| MUS 160 | College Choir (before Fall 12) | 1 |
| MUS 162 | Chamber Singers (before Fall 12) | 1 |
| MUS 165 | Beginning Jazz Improvisation | 1 |
| MUS 166 | Intermediate-Advanced Jazz Improvisation | 1 |
| MUS 167 | Beginning Jazz Ensemble (before Fall 12) | 1 |
| MUS 170 | Symphony Orchestra (before Fall 12) | 1 |
| MUS 174 | Chamber Music (before Fall 12) | 1 |
| MUS 176 | Concert Band (before Fall 12) | 1 |
| MUS 177 | Symphonic Band (before Fall 12) | 1 |
| MUS 178 | Wind Ensemble (before Fall 12) | 1 |
| NATA 112 | Native American Visual And Musical Art | 3 |
| PE 150A | Beginning Ballet (before Fall 12) | 1.5 |
| PE 150B | Intermediate Ballet (before Fall 12) | 1.5 |
| PE 150C | Advanced Ballet (before Fall 12) | 1.5 |
| PE 151A | Beginning Jazz Dance (before Fall 12) | 1.5 |
| PE 151B | Intermediate Jazz Dance (before Fall 12) | 1.5 |
| PE 151C | Advanced Jazz Dance (before Fall 12) | 1.5 |
| PE 152A | Beginning Modern Dance Technique (before Fall 12) | 1.5 |
| PE 152B | Intermediate Modern Dance Technique (before Fall 12) | 1.5 |
| PE 152C | Advanced Modern Dance Technique (before Fall 12) | 1.5 |
| PE 153 | Dance Concert | 2.5 |

| PE 250 | Survey and Appreciation of Dance History | 3 |
|---|---|---|
| PHIL 207B | Philosophy of Art | 3 |
| TA 103 | Theatre Appreciation | 3 |
| TA 103GB (before Fall 09) | | |
| TA 106 | Development of Drama - Musical Theatre | 3 |
| TA 107 | Development Of Drama: Greek to Renaissance | 3 |
| TA 108 | Development Of Drama II: Restoration To Contemporary | 3 |
| TA 111 | Beginning Acting | 3 |
| TA 120 | Understanding Scenography | 3 |
| TA 121 | Introduction to Stagecraft | 3 |
| TA 134 | Costume Design | 3 |
| TA 135A | History of Costume Design in Film | 3 |
| TA 136 | Theatrical Makeup Techniques | 3 |
| TA 141 | Theatre Workshop (before Fall 12) | 0.5 |
| TA 151 | Theatre Production I (before Fall 12) | 0.5 |
| TA 160 | Chicano Theatre | 3 |
| TA 175 | Summer Theatre Workshop (before Fall 12) | 1-6 |
| TA 215 | Fundamentals of Directing | 3 |

### C2—Humanities — Literature, Philosophy, Languages Other than English

| Code | Title | Units |
|---|---|---|
| ARBC 101 | Beginning Modern Standard Arabic I | 5 |
| ARBC 102 | Beginning Modern Standard Arabic II | 5 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 (Fall 08 & after) | 3 |
| ASAM 102 | Contemporary Asian-American History (Fall 08 & after) | 3 |
| ASL 101 | Beginning American Sign Language I (Spring 05 & after) | 5 |
| ASL 102 | Beginning American Sign Language II | 5 |
| ASL 103 | Intermediate American Sign Language I | 5 |
| ASL 104 | Intermediate American Sign Language II | 5 |
| ASL 125 | American Deaf Culture and History | 4 |
| BLST 101 | The African-American In U.S. History To World War II (Fall 16 & after) | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present (Fall 15 & after) | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | 4 |
| BLST 103 | African-American Culture (Fall 16 & after) | 3 |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | 3 |
| CHIN 101 | Beginning Chinese I | 5 |
| CHIN 102 | Beginning Chinese II (Fall 05 & after) | 5 |
| CHIN 103 | Intermediate Chinese | 5 |

| CHST 101 | Mexican-American (Chicano) History In The U.S. (Fall 14 & after) | 3 |
|---|---|---|
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present (Fall 16 & after) | 3 |
| CHST 103 | Mexican-American (Chicano) Culture (Fall 16 & after) | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | 3 |
| CHST 114 | Borderlands Literature: U.S.-Mexico | 3 |
| CHST 115 | Introduction To Mexican Literature | 3 |
| CHST 121 | The Chicana And Other Latina Women (Fall 21 & after) | 3 |
| ECE 115 | Children's Literature | 3 |
| ENG 111 | Critical Thinking and Composition Through Literature (Fall 15 & after) | 3 |
| ENG 111H | Critical Thinking and Composition Through Literature, Honors (Fall 15 & after) | 3 |
| ENG 200 | Introduction to Literature | 3 |
| ENG 221 | Survey of British Literature: 800-1798 | 3 |
| ENG 221GB (before Spring 15) | | |
| ENG 221H | Survey of British Literature 800-1798, Honors | 4 |
| ENG 222 | Survey of British Literature: 1798-Present | 3 |
| ENG 222GB (before Spring 15) | | |
| ENG 222H | Survey of British Literature: 1798-Present, Honors | 4 |
| ENG 225 | American Literature: Pre-Colonization to 1865 | 3 |
| ENG 225GB (before Spring 15) | | |
| ENG 226 | American Literature: 1865-present | 3 |
| ENG 226H | American Literature, Honors | 4 |
| ENG 231 | World Literature: Ancient Times to 16th Century | 3 |
| ENG 231GB (Spring 07-Fall 14) | | |
| ENG 232 | World Literature: 17th Century to Present | 3 |
| ENG 232GB (Spring 07-Fall 14) | | |
| ENG 236 (before Fall 20) | | |
| ENG 236GB (before Fall 15) | | |
| ENG 237 (before Fall 20) | | |
| ENG 237GB (before Fall 15) | | |
| ENG 240 | Contemporary Fiction | 3 |
| ENG 241 | Contemporary Women Writers | 3 |
| ENG 251 | Introduction To Poetry | 3 |
| ENG 261 | Literature And Film | 3 |
| ENG 262 | Shakespeare | 3 |
| ENG 262GB (before Fall 15) | | |
| ENG 292H | Advanced Literary Analysis, Honors | 2 |
| ENVS 112 | American Environmental History | 3 |
| ESL 134 | Writing Level 5 (Fall 19 & after) | 4 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |

| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| ETHS 103 | The American Ethnic Cultural Experience | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands (Fall 16 & after) | 3 |
| ETHS 117 | Cultural Diversity In Film (before Fall 09 or Fall 14 & after) | 3 |
| ETHS 121 | Women of Color In The U.S. | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | 3 |
| FS 101 | Introduction to Film Studies | 3 |
| FS 101H | Introduction to Film Studies, Honors (Fall 08 & after) | 4 |
| FS 105 | Introduction to Television Studies | 3 |
| FS 110 | World Cinema to 1960's | 3 |
| FS 111 | Contemporary World Cinema | 3 |
| FS 112B | Art Cinema | 3 |
| FS 112C | Spanish and Latin American Film | 3 |
| FS 114 | History of Animation | 3 |
| FS 115 | The Vietnam War in Film | 3 |
| FS 116 | Gender and Sexuality in Film | 3 |
| FS 118 | Film Genres | 3 |
| FS 119 | Film Comedy | 3 |
| FS 121 | Documentary Film | 3 |
| FR 101 | Beginning French I | 5 |
| FR 102 | Beginning French II | 5 |
| FR 103 | Intermediate French I | 5 |
| FR 104 | Intermediate French II | 5 |
| FR 132 | Intermediate Literary Readings (Spring 18 & after) [2] | 3 |
| FR 142 (Spring 07-Summer 20) | | |
| GER 101 | Beginning German I | 5 |
| GER 102 | Beginning German II | 5 |
| GER 103 | Intermediate German I | 5 |
| GER 104 | Intermediate German II | 5 |
| HEBR 101 | Beginning Modern Hebrew I (Spring 05 & after) | 5 |
| HEBR 102 | Beginning Modern Hebrew II (Spring 05 & after) | 5 |
| HIST 100 (before Spring 15) | | |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors | 4 |
| HIST 103 | History of Western Civilization | 3 |
| HIST 104 | History of Western Civilization | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| HIST 108 | World Civilization, 1550 to Present | 3 |
| HIST 109 (before Spring 15) | | |
| HIST 110 | History of American Women | 3 |
| HIST 110H | History Of American Women (Honors) | 4 |
| HIST 111 | The American West as Frontier and Region | 3 |

| HIST 112 | American Environmental History | 3 |
| HIST 113H | History Of Western Civilization: 1600 To Present, Honors | 4 |
| HIST 114 (before Fall 19) | | |
| HIST 114H (before Fall 19) | | |
| HIST 115 | The Vietnam Wars | 3 |
| HIST 116 (before Spring 15) | | |
| HIST 117 (before Spring 15) | | |
| HIST 120 | Modern Europe | 3 |
| HIST 121 | History Of Great Britain | 3 |
| HIST 122 | History Of Great Britain | 3 |
| HIST 127 | History Of Russia | 3 |
| HIST 130 (before Spring 15) | | |
| HIST 131 (before Spring 15) | | |
| HIST 132 (before Spring 15) | | |
| HIST 133 | History of Latin America | 3 |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | 3 |
| HIST 135 | History of Mexico | 3 |
| HIST 137 | History of Religions of The Middle East | 3 |
| HIST 138 | History of the Modern Middle East | 3 |
| HIST 151 (before Spring 15) | | |
| HIST 152 (before Spring 15) | | |
| ITAL 101 | Beginning Italian I | 5 |
| ITAL 102 | Beginning Italian II | 5 |
| ITAL 103 | Intermediate Italian I | 5 |
| ITAL 103AB (before Fall 14) | | |
| ITAL 103CD (before Fall 14) | | |
| ITAL 104 | Intermediate Italian II | 5 |
| ITAL 104AB (before Fall 14) | | |
| ITAL 104CD (before Fall 14) | | |
| ITAL 132 (before Fall 20) | | |
| ITAL 150 (before Fall 20) | | |
| ITAL 160 (before Fall 20) | | |
| JAPN 101 | Beginning Japanese I | 5 |
| JAPN 102 | Beginning Japanese II | 5 |
| JAPN 103 | Intermediate Japanese I (Fall 98 & after) | 5 |
| JAPN 104 | Intermediate Japanese II (Fall 09 & after) | 5 |
| KOR 101 | Beginning Korean I | 5 |
| KOR 102 | Beginning Korean II | 5 |
| LATN 101 | Beginning Latin I (Spring 06 & after) | 5 |
| LATN 102 | Beginning Latin II (Spring 06 & after) | 5 |
| NATA 102 | The Native American In 20th Century Society (Fall 21 & after) | 3 |
| NATA 103 | Native American Cultural Heritage (Fall 21 & after) | 3 |
| NATA 105 | California Tribes: The Chumash | 3 |
| NATA 113 | The Indian In Literature: Fact And Fiction | 3 |
| PHIL 100 | Introduction to Philosophy | 3 |

| | | |
|---|---|---|
| PHIL 100H | Introduction to Philosophy, Honors | 4 |
| PHIL 101 | Introduction to Ethics | 3 |
| PHIL 101H | Introduction To Ethics, Honors | 4 |
| PHIL 102 | Comparative World Religions | 3 |
| PHIL 102H (before Fall 20) | | |
| PHIL 200 | History Of Philosophy: Ancient | 3 |
| PHIL 201 | History of Philosophy: Modern | 3 |
| PHIL 203 | History Of Philosophy: Contemporary | 3 |
| PHIL 204 | History And Philosophy Of The Great Ideas Of Physics | 3 |
| PHIL 207A | Comparative Philosophy, East And West (Fall 13 & after) | 3 |
| PHIL 207B | Philosophy of Art | 3 |
| PHYS 104 (before Fall 14) | | |
| POLS 132 | Political Thinking | 3 |
| PSY 135 | Psychology of Film | 3 |
| SPAN 101 | Beginning Spanish I | 5 |
| SPAN 101AB (before Fall 14) | | |
| SPAN 101CD (before Fall 14) | | |
| SPAN 102 | Beginning Spanish II | 5 |
| SPAN 102AB (before Fall 14) | | 2 |
| SPAN 102CD (before Fall 14) | | 2 |
| SPAN 103 | Intermediate Spanish I | 5 |
| SPAN 104 | Intermediate Spanish II | 5 |
| SPAN 132 | Introduction to Literary Analysis (Spring 07 & after) | 3 |
| SPAN 133 (before Fall 20) | | |
| SPAN 134 (before Fall 20) | | |
| SPAN 135 (Fall 05-Summer 20) | | |
| SPAN 136 (before Fall 20) | | |
| SPAN 138 (before Fall 20) | | |
| SPAN 200 (before Fall 20) | | |
| SPAN 139 | Contemporary Cultures Of Spain | 3 |
| SPAN 146 | Intermediate Spanish for Native Speakers I | 5 |
| SPAN 147 | Intermediate Spanish for Native Speakers II | 5 |
| SPAN 150 | Advanced Spanish | 4 |
| SPAN 160 | Advanced Spanish | 4 |

[2] FR 132 (from Spring 07 to before Spring 18) may be used in Area C2. During this time frame, FR 132 was 2 units.

## Area D – Social Sciences
(6 semester units or 9 quarter units)

NOTE: Students whose first term of enrollment in college following high school graduation is Fall 2021 or after will need to complete the Area F requirement below and 6 semester units in Area D in order to obtain full CSU GE Certification. Students who started at SBCC (or any other CCC or CSU) prior to Fall 2021 and have maintained continuous enrollment are not required to complete Area F for full CSU GE Certification, but are required to complete 9 semester units in Area D. Consult a counselor for details.

| Code | Title | Units |
|---|---|---|
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 104 | Introduction to Corrections | 3 |
| AJ 105 | Diversity, Law and Justice | 3 |
| AJ 107 | Concepts Of Criminal Law | 3 |
| AJ 125 | Introduction To Criminology | 3 |
| AJ 245 | Constitutional Law | 3 |
| AJ 255 | Terrorism And The Criminal Justice System | 3 |
| AJ 260 (before Fall 20) | | |
| AJ 265 | Crime and Human Behavior | 3 |
| AJ 271 | The Study of Evil | 3 |
| ANTH 102 | Introduction To Archaeology | 3 |
| ANTH 102H | Introduction to Archaeology, Honors | 4 |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 104 | Language and Culture | 3 |
| ANTH 109 | Comparative World Cultures | 3 |
| ANTH 110 | Culture and Society Through Cartoons | 3 |
| ANTH 113 | Witchcraft, Magic, Science And Religion | 3 |
| ANTH 121 (before Spring 18) | | |
| ANTH 122 (before Spring 18) | | |
| ANTH 123 (before Spring 18) | | |
| ANTH 124 (before Spring 17) | | |
| ANTH 125 (before Spring 17) | | |
| ANTH 126 (before Spring 17) | | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| ASAM 102 | Contemporary Asian-American History | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | 3 |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | 4 |
| BLST 103 | African-American Culture | 3 |
| BUS 101 | Introduction To Business (Fall 22 & after) | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | 3 |
| CHST 103 | Mexican-American (Chicano) Culture | 3 |
| CHST 121 | The Chicana And Other Latina Women | 3 |
| COMM 101 | Introduction to Communication | 3 |
| COMM 142 | Leadership in a Global Society (Fall 20 & after) | 3 |
| COMM 151 | Intercultural Communication | 3 |
| COMM 171 | Mass Media and Society | 3 |
| COMM 288 | Communication Research Methods | 3 |

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|---|---|---|
| COMM 289 | Communication Theory | 3 |
| ECE 102 | Child, Family and Community | 3 |
| ECE 120 | Child Growth and Development/ Educators | 3 |
| ECE 132 | Teaching in a Diverse Society (Fall 12 & after) | 3 |
| ECON 101 | Microeconomics | 3 |
| ECON 101H | Microeconomics, Honors | 4 |
| ECON 102 | Macroeconomics | 3 |
| ECON 102H | Macroeconomics, Honors | 4 |
| ECON 106 (before Spring 18) | | |
| ECON 108 (before Spring 18) | | |
| ECON 114 | Environmental and Natural Resource Economics | 3 |
| ENGR 100 (before Fall 16) | | |
| ENVS 112 | American Environmental History | 3 |
| ERTH 142 | Economic Geography | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| ETHS 103 | The American Ethnic Cultural Experience | 3 |
| ETHS 107 | Racism In America | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands | 3 |
| ETHS 110 | Contemporary Ethnic Communities | 3 |
| ETHS 120 | Race, Ethnicity and Social Movements in the United States | 3 |
| ETHS 121 | Women of Color In The U.S. | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | 3 |
| GEOG 102 | Human Geography | 3 |
| GEOG 104 | World Regional Geography | 3 |
| GEOG 105 | Economic Geography | 3 |
| GEOG 106 | Geography Of California | 3 |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| GLST 105 | Global Environmental Politics | 3 |
| GLST 110 (before Spring 15) | | |
| HIST 100 (before Spring 15) | | |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors | 4 |
| HIST 103 | History of Western Civilization | 3 |
| HIST 104 | History of Western Civilization | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| HIST 108 | World Civilization, 1550 to Present | 3 |
| HIST 109 (before Spring 15) | | |
| HIST 110 | History of American Women | 3 |
| HIST 110H | History Of American Women (Honors) | 4 |
| HIST 111 | The American West as Frontier and Region | 3 |
| HIST 112 | American Environmental History | 3 |

| | | |
|---|---|---|
| HIST 113H | History Of Western Civilization: 1600 To Present, Honors | 4 |
| HIST 114 (before Fall 19) | | |
| HIST 114H (before Fall 19) | | |
| HIST 115 | The Vietnam Wars | 3 |
| HIST 116 (before Spring 15) | | |
| HIST 117 (before Spring 15) | | |
| HIST 120 | Modern Europe | 3 |
| HIST 121 | History Of Great Britain | 3 |
| HIST 122 | History Of Great Britain | 3 |
| HIST 127 | History Of Russia | 3 |
| HIST 130 (before Spring 15) | | |
| HIST 131 (before Spring 15) | | |
| HIST 132 (before Spring 15) | | |
| HIST 133 | History of Latin America | 3 |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | 3 |
| HIST 135 | History of Mexico | 3 |
| HIST 137 | History of Religions of The Middle East | 3 |
| HIST 138 | History of the Modern Middle East | 3 |
| HIST 140 (before Spring 15) | | |
| HIST 150 (before Fall 16) | | |
| HIST 151 (before Spring 15) | | |
| HIST 152 (before Spring 15) | | |
| JOUR 200 | Contemporary News Media and Society | 3 |
| NATA 101 | American Indian: Past and Present | 3 |
| NATA 102 | The Native American In 20th Century Society | 3 |
| NATA 103 | Native American Cultural Heritage | 3 |
| NATA 104 | California Indians | 3 |
| NATA 105 | California Tribes: The Chumash | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/ Process | 3 |
| POLS 106H (before Spring 18) | | |
| POLS 107 (before Spring 18) | | |
| POLS 110 | Politics, Society And The Mass Media | 3 |
| POLS 121 | International Politics | 3 |
| POLS 121H | International Politics, Honors | 4 |
| POLS 122 | International Organizations: Global and Regional Governance | 3 |
| POLS 123 (before Spring 15) | | |
| POLS 124 (before Spring 15) | | |
| POLS 126 (before Spring 18) | | |
| POLS 130 (before Spring 15) | | |
| POLS 131 | Comparative Politics | 3 |
| POLS 132 | Political Thinking | 3 |
| POLS 134H | Political Violence, Honors | 4 |
| POLS 136 | Middle East Government And Politics | 3 |
| POLS 151 | Law And Society | 3 |
| POLS 151H (before Fall 20) | | |

| PSY 100 | General Psychology | 3 |
|---|---|---|
| PSY 100H | General Psychology, Honors | 4 |
| PSY 106 | Positive Psychology | 3 |
| PSY 112 | Introduction to Cognitive Psychology (Fall 19 & after) | 3 |
| PSY 115 | Psychology Of Health And Effective Behavior (Fall 05 & after) | 3 |
| PSY 120 | Introduction To Psychology | 3 |
| PSY 125 | Psychology Of Human Sexuality | 4 |
| PSY 130 | Personality Dynamics And Effective Behavior (Fall 13 & after) | 3 |
| PSY 135 | Psychology of Film | 3 |
| PSY 140 | Child Development | 3 |
| PSY 145 | Human Development | 3 |
| PSY 170 | Abnormal Psychology | 3 |
| PSY 175 | Social Psychology: Psychological Perspective | 3 |
| PSY 200 | Research Methods and Experimental Design in Psychology | 4 |
| PSY 210 | Introduction to Psychopharmacology | 3 |
| SOC 101 | Introduction To Sociology | 3 |
| SOC 101H | Introduction to Sociology, Honors | 4 |
| SOC 103 | Marriage, Family and Intimacy (Fall 05 & after) | 3 |
| SOC 104 | Social Psychology | 3 |
| SOC 106 | Sociology of Deviance | 3 |
| SOC 107 | Racism in America | 3 |
| SOC 109 | Social Problems | 3 |
| SOC 110 | Culture and Society Through Cartoons | 3 |
| SOC 113 | Sociology Of Sex and Gender (Fall 05 & after) | 3 |
| SOC 115 | Introduction To Social Research | 3 |
| SOC 118 | Media, Culture and Society | 3 |
| SOC 127 | Introduction to Women's Studies | 3 |
| SPAN 135 (before Fall 20) | | |
| SPAN 136 (before Fall 20) | | |
| SPAN 138 (before Fall 20) | | |
| SPAN 139 | Contemporary Cultures Of Spain | 3 |
| SS 101 | Introduction to the Social Sciences | 3 |

## Area E—Lifelong Learning and Self-Development
(3 semester units or 4 quarter units)

| Code | Title | Units |
|---|---|---|
| ADC 120 | Alcohol and Other Drugs (Spring 07 & after) | 3 |
| ADC 124 | Chemical Dependency and the Family (Spring 07 & after) | 3 |
| ADC 129 | Emotional Balance and Mindfulness in Recovery (Fall 16 & after) | 3 |
| ADC 130 | Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction (Spring 07 & after) | 3 |
| ADC 133 | Anger Management and Family Violence (Spring 07 & after) | 3 |

| BMS 128 | Human Nutrition | 3 |
|---|---|---|
| BMS 136 | Biology Of Human Sexuality | 3 |
| COMM 121 | Interpersonal Communication (before Fall 06) | 3 |
| ECE 120 | Child Growth and Development/ Educators (Fall 05 & after) | 3 |
| HE 101 | Personal Health Awareness | 3 |
| HE 102 | Personal Health for Women | 3 |
| HE 110 | Sports Nutrition | 3 |
| HE 111 | (before Fall 23) | 3 |
| HE 201 | Introduction to Healthy Aging | 3 |
| HE 213 | Concepts in Health and Physical Fitness | 3 |
| IS 101 (Fall 14-Summer 17) | | 1 |
| PD 100 | College Success | 3 |
| PD 110 | Career Planning And Decision-Making | 3 |
| PD 131 | Stress Management and Wellness (Fall 16 & after) | 3 |
| PSY 100 | General Psychology (Fall 12 & after) | 3 |
| PSY 100H | General Psychology, Honors (Fall 12 & after) | 4 |
| PSY 112 | Introduction to Cognitive Psychology (Fall 19 & after) | 3 |
| PSY 115 | Psychology Of Health And Effective Behavior (Fall 05 & after) | 3 |
| PSY 125 | Psychology Of Human Sexuality | 4 |
| PSY 130 | Personality Dynamics And Effective Behavior | 3 |
| PSY 140 | Child Development (Fall 05 & after) | 3 |
| PSY 145 | Human Development | 3 |
| PSY 210 | Introduction to Psychopharmacology | 3 |
| SOC 103 | Marriage, Family and Intimacy | 3 |
| SOC 106 | Sociology of Deviance | 3 |
| SOC 113 | Sociology Of Sex and Gender | 3 |
| SOC 127 | Introduction to Women's Studies | 3 |

## Area F—Ethnic Studies
(3 semester units or 4 quarter units)

NOTE: Students whose first term of enrollment in college following high school graduation is Fall 2021 or after will need to complete the Area F requirement in order to obtain full CSU GE Certification. Students who started at SBCC (or any other CCC or CSU) prior to Fall 2021 and have maintained continuous enrollment may complete 9 semester units in Area D instead of 3 semester units in Area F and 6 semester units in Area D. Consult a counselor for details.

| Code | Title | Units |
|---|---|---|
| ASAM 101 | Comparative Asian-American History, 1849-1965 (Fall 21 & after) | 3 |
| ASAM 102 | Contemporary Asian-American History (Fall 21 & after) | 3 |
| BLST 101 | The African-American In U.S. History To World War II (Fall 21 & after) | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present (Fall 21 & after) | 3 |

| BLST 103 | African-American Culture (Fall 21 & after) | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. (Fall 21 & after) | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present (Fall 21 & after) | 3 |
| CHST 103 | Mexican-American (Chicano) Culture (Fall 21 & after) | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature (Fall 21 & after) | 3 |
| CHST 121 | The Chicana And Other Latina Women (Fall 21 & after) | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. (Fall 21 & after) | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors (Fall 21 & after) | 4 |
| ETHS 107 | Racism In America (Fall 21 & after) | 3 |
| ETHS 109 | U.S.-Mexico And Other Borderlands (Fall 21 & after) | 3 |
| ETHS 121 | Women of Color In The U.S. (Fall 21 & after) | 3 |
| NATA 101 | American Indian: Past and Present (Fall 21 & after) | 3 |
| NATA 102 | The Native American In 20th Century Society (Fall 21 & after) | 3 |
| SOC 107 | Racism in America (Fall 21 & after) | 3 |

## CSU Graduation Requirement in U.S. History, Constitution and American Ideals

This requirement may be met before or after transfer to the CSU. At the discretion of the CSU campus granting the degree, courses meeting this requirement may also be counted toward certification in general education. Students satisfy this CSU graduation requirement through coursework in three areas: US-1, US-2 and US-3. A student must take one course from each of the three areas. A student may use the same course to satisfy more than one area (US-1, US-2, US-3), if applicable.

*Note: The combination of* HIST 101 History of the U.S. to 1877 *and* HIST 102 History of the U.S. Since 1865 *(or* HIST 102H History Of The U.S. Since 1865, Honors*) may also satisfy this requirement but ONLY if both courses were completed before Fall 2004.*

### US – 1: Historical Development of American Institutions and Ideals

| Code | Title | Units |
| --- | --- | --- |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present (before Fall 04) | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3 |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | 4 |
| HIST 100 (before Spring 15) | | |

| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3 |
| HIST 102H | History Of The U.S. Since 1865, Honors | 4 |
| HIST 110 | History of American Women | 3 |
| HIST 114 (before Fall 19) | | |
| HIST 114H (before Fall 19) | | |
| HIST 116 (before Spring 15) | | |
| NATA 101 | American Indian: Past and Present | 3 |

### US – 2: U.S. Constitution and Government

| Code | Title | Units |
| --- | --- | --- |
| AJ 245 | Constitutional Law | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/Process | 3 |
| POLS 106H (before Fall 04) | | |

### US – 3: U.S. California State and Local Government

| Code | Title | Units |
| --- | --- | --- |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/Process | 3 |
| POLS 106H (before Fall 04) | | |

### Advanced Placement

For complete information regarding Advanced Placement exams applicable to CSU GE Breadth certification, see "Advanced Placement" in the *Catalog* Index.

### International Baccalaureate

For complete information regarding International Baccalaureate exams applicable to CSU GE Breadth certification, see "International Baccalaureate" in the *Catalog* Index.

### Certificate of Achievement in CSU General Education Breadth

The Certificate of Achievement in CSU General Education Breadth at Santa Barbara City College is designed for transfer-bound students who complete their lower-division General Education requirements through the CSU General Education Breadth pattern prior to transferring to a California State University campus.  Students must complete all of the CSU General Education Breadth requirements as outlined above for a total of 39 semester units. The CSU General Education Breadth pattern must be completed with a cumulative grade point average of 2.0 or better to earn the certificate. "Pass" grades in courses used to satisfy the CSU General Education Breadth pattern are allowed.

# Campus-Specific GE
# General Education Patterns for Transfer

Santa Barbara City College students have several options to complete a General Education pattern prior to transfer:

1. Intersegmental General Education Transfer Curriculum (IGETC)
2. California State University General Education Breadth Pattern (CSU GE Breadth)
3. Campus-specific General Education Pattern

## Campus-Specific General Education Pattern

Students who do not complete IGETC or the CSU General Education Breadth pattern will be subject to the General Education pattern of the campus to which they transfer. Please refer to the respective UC, CSU or appropriate four-year institution campus catalog for a complete list of campus-specific General Education requirements.

# ACADEMIC DEPARTMENTS

Disclaimer/Notification: SBCC operates its academic calendar on a 16-week semester. Information on lab and lecture hours per week may be found in the Schedule of Classes.

## Department and Course Descriptions
### Departmental Offerings

This section includes descriptions of programs, departmental requirements and faculty listings.

Because the General Catalog must be prepared in advance of the college year it covers, it may not reflect recent changes in curricula, requirements and faculty listings. Because course descriptions are subject to change without notice, students should consult departments for current information. The Schedule of Classes is the final authority in regard to classes offered and instructors of record. For up-to-date class schedules see www.sbcc.edu/classes *(http://www.sbcc.edu/classes/)*.

Some courses are not offered every semester. The *Schedule of Classes* indicates when and where courses are offered. Students planning their schedules should contact departments to determine when courses are offered.

### Course Listings Key
### Course Lettering Legend

1. The letters A through D designate courses which are part of a general topic taught during a semester or over several semesters (i.e., one course taken over two or more semesters, or three modules of one course taken in one semester).
2. The letter L denotes lab courses for which a related lecture course is required in concurrent registration, or as a prerequisite.
3. The letter H is used to designate Honors Program courses.

Prerequisites for courses are stated where applicable. A student may not enroll in a course for which they are not eligible. Courses without prerequisite listings have NO prerequisites.

## Transfer Code Designation

Courses that transfer for unit value to California four-year public institutions are noted as follows:

1. *CSU*—California State University
2. *UC*—University of California

For transferability of courses to the receiving institution's graduation, General Education, pre-major and major requirements, check the requirements of the institution to which transfer is planned. Courses not transferable to one four-year college or university may be considered acceptable by other colleges or universities.

For the most current information regarding transferability of courses to the California State University, the University of California and independent colleges and universities, contact the University Transfer Center, Room SS-140, or refer to www.assist.org *(http://www.assist.org)*.

## Transfer Credit Limitation

Transfer credit limitations occur for some courses when taken in a particular sequence, or in combination with other courses. For those courses designated as having a transfer credit limitation, contact an academic counselor or the University Transfer Center for specific limitations.

## Departments by Subject
### A

- Accounting (p. 169)
- Addictive Disorders Counseling (p. 171)
- Administration of Justice (p. 350)
- Allied Health (p. 177)
- American Sign Language (p. 356)
- Anthropology (p. 180)
- Arabic (p. 356)
- Art (p. 183)
- Asian-American Studies (p. 177)
- Automotive Service and Technology (p. 191)

### B

- Biology (p. 194)
- Bio-Medical Sciences (p. 194)
- Black Studies (p. 177)
- Botany (p. 194)
- Business Administration (p. 203)
- Business Law (p. 203)

### C

- Cancer Information Management (p. 278)
- Certified Nursing Assistant (p. 360)
- Chemistry (p. 208)
- Chicano Studies (p. 177)
- Chinese (p. 356)
- Communication (p. 209)
- Computer Applications (p. 219)
- Computer Information Systems (p. 224)
- Computer Network Engineering (p. 229)
- Computer Science (p. 232)
- Construction Technology (p. 234)
- Cosmetology (p. 236)
- Culinary Arts (p. 239)

### D

- Disability Services and Programs for Students (DSPS) (p. 242)
- Drafting (p. 242)

### E

- Early Childhood Education (p. 244)
- Earth and Planetary Sciences (p. 249)
- Economics (p. 335)
- Education (p. 253)
- Engineering (p. 253)
- English as a Second Language (ESL) (p. 254)
- English, Composition and Literature (p. 254)
- Entrepeneurship (p. 203)

# Programs of Study (A-Z)

## A

- Access SQL Professional, Skills Competency Award (SCA) (https://catalog.sbcc.edu/academic-departments/computer-information-systems/access-sql-professional-skills-competency-award/)
- Accounting Assistant/Bookkeeper, Level I, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/accounting-education/assistant-bookkeeper-level-i-certificate-achievement/)
- Accounting Assistant/Bookkeeper, Level II, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/accounting-education/assistant-bookkeeper-level-ii-certificate-achievement/)
- Accounting Assistant/Bookkeeper, Level III, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/accounting-education/assistant-bookkeeper-level-iii-certificate-achievement/)

## B

## C

# P

# R

# S

# T

# V

# W

# Accounting Education

Accounting courses provide the essential foundation needed to succeed in these career areas:

- *Management:* general management, financial management, budget management, assets management, controller, treasurer
- *Private Accounting:* general financial accounting, accounting information systems design, cost accounting, budgeting, taxation, internal auditing, data processing, and accounting for non-profit organizations
- *Public Accounting*—CPAs: auditing, tax compliance and tax planning services, management advisory services, computerized accounting systems
- *Accounting Education*: teaching, research, consulting

Those interested in preparing for immediate employment or advancement should consider:

1. The 3-level Accounting Assistant/Bookkeeper Certificate that prepares students to be bookkeepers - entry level to full charge - in businesses that have computerized or manual accounting systems; or
2. The Associate Degree in Accounting that prepares students for advanced academic work in accounting (transfer to four-year institutions), or for employment and/or promotion to more responsible positions in accounting or business.

## Tutorial Opportunities

Tutors are provided for Accounting students and are available to help students five days a week. Outstanding students in Business and Accounting are selected to serve as paid tutors.

## Programs of Study

**Associate Degree**

- Accounting, Associate of Science (AS) (p. 171)

**Certificate of Achievement**

- Accounting Assistant/Bookkeeper, Level I, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/accounting-education/assistant-bookkeeper-level-i-certificate-achievement/)
- Accounting Assistant/Bookkeeper, Level II, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/accounting-education/assistant-bookkeeper-level-ii-certificate-achievement/)
- Accounting Assistant/Bookkeeper, Level III, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/accounting-education/assistant-bookkeeper-level-iii-certificate-achievement/)
- Accounting Assistant/Bookkeeper, Level IV, Certificate of Achievement (C) (p. 170)

# Accounting Assistant/Bookkeeper, Level IV, Certificate of Achievement (C)

## Overview

The Accounting Assistant/Bookkeeper, Level IV, Certificate of Achievement gives students the foundation they need for entry level employment in the accounting department of any business or to become a CPA. It prepares students to pursue a career in finance or corporate management, to work in government, or to become business owners. It also fulfills some of the major requirements for the AS-T in Business Administration 2.0 degree designed to transfer to accounting programs at CSU campuses.

- Accounting courses provide the essential foundation needed to succeed in these career areas:
- Management: general management, financial management, budget management, assets management, controller, treasurer
- Private Accounting: general financial accounting, accounting information systems design, cost accounting, budgeting, taxation, internal auditing, data processing
- Public Accounting—CPAs: auditing, tax compliance and tax planning services, management advisory services, computerized accounting systems
- Government Accounting
- Accounting Education: teaching, research, consulting

The main competencies achieved in this program include:

- Accounting Literacy
- Technical Competency: Computer Systems Literacy
- Income Tax Literacy
- Payroll Competency

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better or Pass in each course.  A minimum of 6 units must be completed through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ACCT 150 | Introduction To Accounting Software And Systems | 4 |
| ACCT 230 | Financial Accounting | 5 |
| ACCT 240 | Managerial Accounting | 4 |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| Complete one of the following courses: | | 3-4 |
| BLAW 101 | Business Law | |
| BLAW 110 | Legal Environment of Business | |
| BUS 101 | Introduction To Business | |
| COMP 109 | Microsoft Excel | |
| COMP 171 | Business English | |
| COMP 271 | Business Communications | |
| IBUS 102 | Introduction to International Business | |
| MGMT 102 | Leadership in Organizations | |
| Complete two courses from the following: | | 5-8 |
| ACCT 110 | Introduction to Accounting | |
| ACCT 120 | Accounting for Nonprofit Organizations | |
| ACCT 130 | Payroll Accounting | |
| ACCT 160 | Accounting With Quickbooks | |
| ACCT 215 | Fundamentals Of Income Tax | |
| ACCT 280 | Accounting Ethics and Leadership | |
| FIN 202 | Managerial Finance | |
| **Total Units** | | **25.00-29.00** |

## Learning Outcomes

1. Use introductory managerial accounting concepts to make decisions within a business.
2. Apply generally accepted accounting principles to record common business transactions, to prepare simple financial statements, and to analyze the results of operations, cash flows, and financial position as reported.
3. Calculate and explain the impact of alternate generally accepted accounting principles for financial ratio analysis, and for economic analysis.
4. Recognize the elementary business laws and the consequences of ignoring or not following legal business precepts and/or behaving unethically.
5. Use computer technology and applications to record, report, and analyze business transactions and their effects on operating, investing, and financing activities.
6. Prepare financial reports and communiqués using standard Business English.
7. Define elementary business management concepts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Accounting, Associate of Science (AS)

## Overview

An AS in Accounting gives students the foundation they need for entry-level employment in the accounting department of any business or to become a CPA. It prepares students to pursue a career in finance or corporate management, to work in government, or to become business owners.   It also fulfills some of the requirements for the AS-T in Business Administration degree designed to transfer to accounting programs at CSU campuses.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ACCT 150 | Introduction To Accounting Software And Systems | 4 |
| ACCT 230 | Financial Accounting | 5 |
| ACCT 240 | Managerial Accounting | 4 |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| Complete one course from the following: | | 3-4 |
| BLAW 101 | Business Law | |
| BLAW 110 | Legal Environment of Business | |
| BUS 101 | Introduction To Business | |
| COMP 109 | Microsoft Excel | |
| COMP 171 | Business English | |
| COMP 271 | Business Communications | |
| IBUS 102 | Introduction to International Business | |
| MGMT 102 | Leadership in Organizations | |
| Complete two courses from the following: | | 5-8 |
| ACCT 110 | Introduction to Accounting | |
| ACCT 120 | Accounting for Nonprofit Organizations | |
| ACCT 130 | Payroll Accounting | |
| ACCT 160 | Accounting With Quickbooks | |
| ACCT 215 | Fundamentals Of Income Tax | |
| ACCT 280 | Accounting Ethics and Leadership | |
| FIN 202 | Managerial Finance | |
| **Total Units** | | **25.00-29.00** |

## Learning Outcomes

1. Use introductory managerial accounting concepts to make decisions within a business.
2. Apply generally accepted accounting principles to record common business transactions, to prepare simple financial statements, and to analyze the results of operations, cash flows and financial position as reported.
3. Calculate and explain the impact of alternate generally accepted accounting principles for financial ratio analysis and economic analysis.
4. Use computer technology and applications to record, report, and analyze business transactions and their effects on operating, investing, and financing activities.
5. Recognize the elementary business laws and the consequences of ignoring or not following legal business precepts, and/or behaving unethically.
6. Prepare financial reports and communiqués using standard Business English.
7. Define elementary business management concepts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Addictive Disorders Counseling

The Addictive Disorders Counseling Program is designed to prepare students to work in the field of addictions counseling. Both a Certificate of Achievement and Associate Degree are available. The program provides students with the education and training to develop paraprofessional expertise and to qualify for employment as entry-level addictions counselors. A required fieldwork component offers students invaluable hands-on experience working at a facility dedicated to the treatment of alcohol and drug addiction.

Licensed clinicians seeking expertise in addictions can complete the new non-fieldwork based Certificate of Achievement: Post-Professional Practice in Addictive Disorders Counseling.

## Programs of Study

**Associate Degree**

- Addictive Disorders Counseling, Associate of Science (AS) (https://catalog.sbcc.edu/academic-departments/addictive-disorders-counseling/addictive-disorders-counseling-as/)

**Certificates of Achievement**

- Addictive Disorders Counseling, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/addictive-disorders-counseling/addictive-disorders-counseling-certificate-achievement/)
- Post-Professional Practice in Alcohol and Drug Counseling, Certificate of Achievement (C) (p. 172)

# Post-Professional Practice in Alcohol and Drug Counseling, Certificate of Achievement (C)

## Overview

The Alcohol and Drug Counseling Program is designed to prepare students to work in the field of addictions counseling. Both a Certificate of Achievement and Associate Degree are available. The program provides students with the education and training to develop paraprofessional expertise and to qualify for employment as entry-level addictions counselors. A required fieldwork component offers students invaluable hands-on experience working at a facility dedicated to the treatment of alcohol and drug addiction. Licensed clinicians seeking expertise in addictions can complete the new non-fieldwork based Skills Competency Award: Post-Professional Practice in Alcohol and Drug Counseling.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ADC 120 | Alcohol and Other Drugs [1] | 3 |
| ADC 122 | Pharmacological And Physiological Effects Of Alcohol And Other Drugs [1] | 3 |
| ADC 124 | Chemical Dependency and the Family [1] | 3 |
| ADC 125 | Co-Occurring Disorders I: Recognition and Referral [1] | 3 |
| ADC 126 | Treatment And Case Management Of Chemically-Dependent Individual [1] | 4 |
| **Total Units** | | **16.00** |

[1]  Acceptable substitutions are as follows: ADC 100 will substitute for ADC 120 Alcohol and Other Drugs; ADC 102 will substitute for ADC 122 Pharmacological And Physiological Effects Of Alcohol And Other Drugs; ADC 108 will substitute for ADC 124 Chemical Dependency and the Family; ADC 112 will substitute for ADC 125 Co-Occurring Disorders I: Recognition and Referral; and ADC 105 and ADC 106 or ADC 106 and ADC 116 will substitute for ADC 126 Treatment And Case Management Of Chemically-Dependent Individual.

## Learning Outcomes

1. Develop an appropriate case history.
2. Assess and diagnose both the existence and degree of dependence on alcohol and other drugs.
3. Define the scope, responsibility and limitations of the Alcohol and Drug Counselor.
4. Formulate a comprehensive treatment plan based on client need, incorporating adjunctive support systems with primary treatment programs.
5. Demonstrate effective verbal and written communication skills.
6. Describe what constitutes an effective intervention.
7. Describe the dynamics and common roles in the family of the chemically dependent person.
8. Describe how to utilize community support systems, Alanon, Alateen, ACA, etc., to support family members through the recovery process.
9. Apply therapeutic interventions with traditional and non-traditional family structures.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Adult High School and GED

The Adult High School (AHS) Diploma Program is designed for adults who want to earn their high school diploma. Students meet with an advisor to create an individual learning plan, and work one-on-one with faculty and in small groups with other students. Subjects include reading comprehension, vocabulary and grammar, spelling, writing, mathematics and other subjects. Credit towards our high school completion program can be transferred from other accredited high schools or colleges. We offer free classes, student support services such as transcript analysis, assessment, orientation, registration support, academic advising/counseling and career counseling and a flexible class schedule.

GED exam preparation classes are designed for students who are 18 years of age or older who wish to earn a high school equivalency certificate. Students are given instruction in the basic skills needed, and have the opportunity to take practice tests that will help them successfully complete all GED exams. Classes are offered both daytime and evenings. GED exam preparation classes are also offered bilingually (Spanish/English).

## Courses

**GED NC010 GED Language Arts (0 Units)**
Hours: 200 (200 lecture)
Prepares students for the GED Reasoning Through Language Arts exam. Topics include applying critical thinking skills to reading fiction and informational texts; reviewing language mechanics, grammar, vocabulary and editing skills; and writing extended response essays. Emphasis is also placed on developing test-taking strategies Course restricted to 98 repetitions

**GED NC020 GED Social Studies (0 Units)**
Hours: 200 (200 lecture)
This course prepares students for the GED Social Studies exam. Topics include a review of key concepts in US government, US history, world history, and economics. Emphasis is placed on developing test-taking skills and strategies and on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams. Course restricted to 98 repetitions

**GED NC030 GED Science (0 Units)**
Hours: 200 (200 lecture)
This course prepares students for the GED Science exam. Topics include a review of key concepts and processes in biology, chemistry, physical, and earth and space science. Emphasis is placed on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams, and on developing test-taking strategies. Course restricted to 98 repetitions

**GED NC050 GED Mathematics (0 Units)**
Hours: 200 (200 lecture)
This course prepares students for the GED Mathematics exam. Topics include review of whole-number operations, fractions, decimals, percent, geometry, and algebra. Emphasis is placed on developing test-taking skills as well as developing strategies for solving word problems, graph problems, and problems typically found on the GED and other mathematics exams. Course restricted to 98 repetitions

**GEDB NC060 GED Test Subject - Bilingual Reading (0 Units)**
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Reasoning through Language Arts exam. Topics include applying critical thinking skills to reading fiction and informational texts; reviewing language mechanics, grammar, vocabulary, and editing skills; and writing extended response essays. Emphasis is also placed on developing test-taking strategies. Course restricted to 98 repetitions

**GEDB NC070 GED Test Subject - Bilingual Social Studies (0 Units)**
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Social Studies exam. Topics include a review of key concepts in US government, US history, world history, and economics. Emphasis is placed on developing test-taking skills and strategies and on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams. Course restricted to 98 repetitions

**GEDB NC080 GED Test Subject - Bilingual Science (0 Units)**
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Science exam. Topics include a review of key concepts and processes in biology, chemistry, physical, and earth and space science. Emphasis is placed on applying critical thinking skills to analyze text, graphs, tables, charts, and diagrams, and on developing test-taking strategies. Course restricted to 98 repetitions

**GEDB NC100 GED Test Subject - Bilingual Mathematics (0 Units)**
Hours: 200 (200 lecture)
This course prepares students for the Spanish version of the GED Mathematics exam. Topics include review of whole-number operations, fractions, decimals, percent, geometry, and algebra. Emphasis is placed on developing test-taking skills as well as developing strategies for solving word problems, graph problems, and problems typically found on the GED and other mathematics exams. Course restricted to 98 repetitions

**HSCA NC010 Learning Skills: PowerPoint (1-2 Units)**
Hours: 40 (40 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to utilize Microsoft Office PowerPoint. Topics include formatting and designing slides, creating and presenting slideshow presentations, and using templates, sound effects and images. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSCA NC020 Learning Skills: Access (1-2 Units)**
Hours: 40 (40 lecture)
Using software tutorials, this competency-based Adult High School course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Access. Topics include designing and managing databases, using macros and queries to manage data, designing forms and creating reports. Software based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSCA NC030 Learning Skills: Outlook (1-2 Units)**
Hours: 40 (40 lecture)
Using software tutorials, this competency-based Adult High School course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Outlook. Topics include designing and managing personal calendars and schedules, using and maintaining inboxes and contacts and scheduling tasks. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSCA NC040 Learning Skills: Excel (1-2 Units)**
Hours: 40 (40 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to effectively utilize Microsoft Office Excel. Topics include designing and managing spreadsheets, using spreadsheets to manage data, and creating charts, graphs, formulas and functions. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSCA NC050 Learning Skills: Word Basics (1-2 Units)**
Hours: 40 (40 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to effectively utilize Microsoft Office Word. Topics include document formatting and editing, creating tables and templates, and collaborating on the production of documents. Software-based quizzes and individualized final projects measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSEC NC010 Economics (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in economics covering basic macro and microeconomics terms and theories, including consumer behavior, supply and demand, incentives, economic decision-making, and fundamental business, government and personal finance issues. Critical thinking and writing skills, as well as application to current events and everyday life, are emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - Economics

**HSEC NC020 Introduction to Social Economics (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School Economics course designed to acquaint students with economic knowledge from the view of the individual consumer or small business owner to the global economy. It will examine the law of supply and demand, forms of business, government finances, and their influences on economic cycles. Course restricted to 98 repetitions
Transfer Information: AHS - Economics

**HSEN NC001 Reading and Composition 1 (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School English course providing instruction in analytical reading skills and in writing well-developed sentences and paragraphs. The course includes vocabulary development as well as a review of language mechanics, spelling and grammar. Students read and analyze literary works and create a writing portfolio utilizing a variety of writing formats. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC002 Reading and Composition 2 (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School English course in developing and refining analytical reading and writing skills. Students analyze literature, learn to write well-developed three-paragraph essays, improve vocabulary, and review language mechanics, spelling and grammar skills. Students also develop a writing portfolio comprising a variety of essay types, such as analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC003 Reading and Composition 3 (1-10 Units)**
Hours: 200 (200 lecture)
This Adult High School English course helps students further develop analytical reading and writing skills. Students analyze literature, write well-developed five-paragraph essays, increase vocabulary, and refine language mechanics, spelling and grammar skills. Students will also develop a writing portfolio comprising a variety of essay types, including comparative, analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC005 Academic Writing (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School English course offers students a study of critical thinking and composition, combined with instruction in literature. Students read both fiction and nonfiction texts with an emphasis on performing close readings, understanding literary techniques, and evaluating claims. This course includes instruction in research and evaluating and documenting sources. Course restricted to 98 repetitions
Transfer Information: AHS - English

**HSEN NC01A Reading and Composition 1A (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course providing instruction in analytical reading skills and writing well-developed sentences and paragraphs. The course includes vocabulary development as well as a review of language mechanics, spelling and grammar. Students read and analyze literary works and create a writing portfolio utilizing a variety of writing formats. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC01B Reading and Composition 1B (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course providing instruction in analytical reading skills and writing well-developed sentences and paragraphs. Students learn to recognize and apply literary techniques, read and analyze excerpts from literature as well as a level-appropriate novel, and create a writing portfolio utilizing a variety of writing formats. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC02A Reading and Composition 2A (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course to develop and refine analytical reading and writing skills. Students analyze literary excerpts, learn to write well-developed three-paragraph essays, improve vocabulary, and review language mechanics, spelling and grammar. Students also develop a writing portfolio comprising a variety of essay types, such as analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC02B Reading and Composition 2B (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School English course in developing and refining analytical reading and writing skills. Students analyze a novel, write well-developed three-paragraph essays, improve vocabulary, and review language mechanics, spelling and grammar skills. Students also develop a writing portfolio comprising a variety of essay types, such as analytical and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC03A Reading and Composition 3A (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School English course helps students further develop analytical reading and writing skills. Students analyze literature, write well-developed five-paragraph essays, increase vocabulary, and refine language mechanics, spelling and grammar skills. Students will also develop a writing portfolio comprising a variety of essay types, including comparative analytical, and persuasive. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSEN NC03B Reading and Composition 3B (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School English course helps students further develop analytical reading and writing skills. Students analyze literature, write well-developed five-paragraph essays, increase vocabulary, and refine language mechanics, spelling and grammar skills. Students read novels and develop a writing portfolio comprising a variety of essay types. Course restricted to 98 repetitions
Transfer Information: AHS - English LIT & COMP

**HSHE NC010 Health (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course on health literacy. Course topics include personal health and safety, evaluation of health resources, anatomy and physiology, nutrition, diabetes, drug abuse and treatment, and environmental health. Course restricted to 98 repetitions
Transfer Information: AHS - Health

**HSHI NC030 American History: Part 1 (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course on early United States history up to 1877, including Native Americans, European settlements and the colonial period, the culture and contribution of African Americans, the American Revolution and the creation of the U.S. Constitution, industrialism, territorial expansion, and the causes and consequences of the Civil War. Course restricted to 98 repetitions
Transfer Information: AHS - US History

**HSHI NC040 American History: Part 2 (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School United States history course covering 1865 to the present, beginning with the Reconstruction period and continuing with expansionism, industrialism, the causes and consequences of World War 1, the Great Depression, World War II, the Cold War period, the Civil Rights movement, globalization and America's role in the modern world. Course restricted to 98 repetitions
Transfer Information: AHS - US History

**HSHI NC050 Immigrant Contributions and Experiences in the United States (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in history and ethnic studies covering the Native American experience; the imposition of a master narrative and its effects on immigrants from Africa, Ireland, Asia, Mexico, Latin America; and the Jewish and Muslim diasporas. The context of majority culture, relationships between groups, and contributions of minorities are emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - US History

**HSII 002 The Learning Center: A Multimedia Learning Lab (0 Units)**
Hours: 144 (144 lecture)
Based on the Open Lab style of learning, The Learning Center is designed for students in the Vocational, ESL, Literacy and Adult High School programs. Whether you need job preparation, GED study or reading and writing improvement, come when it's convenient, focus on your own educational goals and study a variety of subjects. You will be able to work at your own pace, take advantage of an interactive multimedia setting, and receive individual attention from The Learning Center teachers. Course restricted to 98 repetitions
Transfer Information: AHS - Independent Study

**HSMA NC010 Mathematics A: Whole Number Arithmetic (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in basic whole-number arithmetic. Topics include place value, reading and writing numbers, rounding, estimation and development of problem-solving skills in whole number addition, subtraction, multiplication and division. Application of these skills to everyday life and workplace skills is emphasized, including measurement and reading charts and tables. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

**HSMA NC020 Mathematics B: Fractions, Decimals, Percents (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School mathematics course covering fractions, decimals, and percent. Topics include development of computational and problem-solving skills, as well as the application of those skills to solve measurement, basic geometry, financial, and other workplace and life skills problems. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

**HSMA NC030 Mathematics C: Pre-Algebra (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School pre-algebra course includes a review of percent, ratio, proportion, measurement, formulas and basic algebraic equations, as well as basic geometry, graphing, probability, signed numbers, roots and exponents. Development of mathematical reasoning skills and applications to workplace, consumer and everyday life skills are emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - Algebra

**HSMA NC040 Introductory Algebra (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School introductory algebra course. Course begins with a review of pre-algebra concepts such as order of operations, signed numbers, roots, formulas and writing simple algebraic expressions. Additional topics include writing, simplifying, and solving monomial and polynomial equations; functions and coordinate graphs; systems of equations; inequalities; proportion; and quadratic equations. Course restricted to 98 repetitions
Transfer Information: AHS - Algebra

**HSMA NC050 Introductory Geometry (1-10 Units)**
Hours: 200 (200 lecture)
Adult High School course in basic geometry, including measurement and relationships of lines, angles, plane figures and solid figures. Topics include development of mathematical reasoning skills and strategies, identifying and applying formulas, estimation, mental math, calculator use, and application of geometry to workplace and everyday life. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

**HSPD NC010 Learning Skills: Note Taking Strategies (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course is designed to expand students' knowledge of note taking techniques and purposes. Topics include basic functions of note taking, pre-reading strategies, the Cornell Method, clustering and outlining. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC020 Learning Skills: Time Management (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course on time management introduces students to techniques designed to help manage time effectively and to create healthier lifestyle patterns. Topics include scheduling and how to avoid cramming. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC030 Learning Skills: Learning Styles (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course will teach students to identify their personal learning styles and how to adapt them to dominant teaching styles. Topics include the Learning Styles Questionnaire, the four learning styles, and matching your learning style and strategies. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC040 Learning Skills: Test-Taking Skills (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course builds student test-taking confidence by examining academic and emotional management techniques. Topics include test anxiety, test preparation, and strategies to use during and before taking a test. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC050 Learning Skills: Writing Skills (1 Unit)**
Hours: 20 (20 lecture)
Adult High School course in developing and improving writing skills. Students learn strategies for planning, writing and revision. Topics include assignment analysis, thesis development, organization and self-editing, as well as a review of language mechanics, spelling and grammar. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC060 Engaging Critical Thinking and Writing Strategies (2 Units)**
Hours: 40 (40 lecture)
Reading and writing short skills course for increasing rational, higher order of critical reading and writing skills in order to meet the demands of advanced study in high school. Comprehension strategies will train students how to analyze arguments, problem solve, and acquire techniques for effective critical analysis and writing. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC070 Crossroads: Paving Your Career Path (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course is designed to provide students with a path toward career development. Students will explore viable tools to develop career planning skills, chart a plan for further career growth, understand the application and interviewing process, and write a professional resume and cover letter. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC080 Pathway to Financial Literacy (1 Unit)**
Hours: 20 (20 lecture)
Adult High School course designed to provide students with financial literacy and awareness. Students explore tools to create a budget, develop a financial plan, learn how to avoid financial scams, learn how to open checking and savings accounts, and understand fees and overdraft coverage. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC090 Career Exploration for Adult High School/GED Students (1 Unit)**
Hours: 20 (20 lecture)
This Adult High School course is designed to help students evaluate possible career options and pathways. Students examine their values, interests, abilities, and lifestyle and evaluate how these match with possible career choices. Research into career paths, available resources, and how they relate to students' current studies will be emphasized. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPD NC100 Effective Use of Technology For Student Success (1-2 Units)**
Hours: 40 (40 lecture)
Adult High School course on the effective use of computer and web-based tools that are commonly used in classroom and workplace settings. Students will learn tips and best practices for using email, online calendars, course websites, and other technology, including Pipeline, Canvas, g-mail, Google Docs, and Google Slides. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

**HSPS NC020 Survey of U.S. Government (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School survey course on the United States government. Topics include types of governments, foundations and principles of the U.S. Constitution, civil rights and responsibilities, structures and processes of the U.S. government, and factors that shape domestic and foreign policy. The course also emphasizes development of critical thinking and writing skills. Course restricted to 98 repetitions
Transfer Information: AHS- US Government

**HSPS NC030 American Government and Civics (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course on US government and the rights and responsibilities of citizens, with an emphasis on discussion and analysis of current events. Course restricted to 98 repetitions
Transfer Information: AHS- US Government

**HSVA NC001 Visual Arts and Media Techniques/Art Studio 1 (1-10 Units)**
Hours: 200 (200 lecture)
This Adult High School course promotes an understanding of visual arts and media techniques as well as the skills associated with composition and design. Students are expected to simultaneously enroll in an art studio course and/or produce a portfolio of artwork demonstrating their understanding of visual arts and compositional techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Visual & Performing Arts

**HSVA NC01A Visual Arts and Media Techniques/Art Studio 1A (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in visual arts, media techniques, and design skills. Topics include the impact of visual art in everyday life, analysis of art, and compositional techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Visual & Performing Arts

**HSVA NC01B Visual Arts and Media Techniques/Art Studio 1B (1-5 Units)**
Hours: 100 (100 lecture)
This Adult High School course provides an introduction to visual literacy, media interpretation and art composition. Topics include critical analysis of art in mass media, addressing compositional issues, understanding artistic bias, agency and context, and the application of artistic methods. Course restricted to 98 repetitions
Transfer Information: AHS - Visual & Performing Arts

**HSWH NC010 World History 1: Early Civilizations (1-5 Units)**
Hours: 100 (100 lecture)
An Adult High School Course in world history, covering the development of cultures from the pre-historic and ancient worlds to early Asian, Greek, Roman, European, African and American civilizations. An emphasis is placed on analyzing selections of historical documents to understand the achievements and collapses of nations, empires and kingdoms. Course restricted to 98 repetitions
Transfer Information: AHS- World History

**HSWH NC020 World History 2: Modern Regions (1-5 Units)**
Hours: 100 (100 lecture)
Adult High School course in world history covering major developments and events from the European Renaissance to modern times, including political, social, religious and economic revolutions. An emphasis is placed on evaluating selections of historical documents to gain greater understanding of major themes and enduring issues that continue to influence world events. Course restricted to 98 repetitions
Transfer Information: AHS- World History

# Allied Health

## Program Description

The Allied Health Department offers courses for those interested in health care. These courses can be helpful in deciding to do a subsequent major in a health-related field or in meeting requirements for other majors.

## Programs of Study

**Skills Competency Award**

- Emergency Medical Technician-Basic, Skills Competency Award (SCA) (p. 177)

# Emergency Medical Technician-Basic, Skills Competency Award (SCA)

## Overview

The Allied Health Department offers courses for those interested in health care. These courses can be helpful in deciding to do a subsequent major in a health-related field or in meeting requirements for other majors.

## Requirements

**Skills Competency Award Requirements**

Complete the required course(s) with a grade of C or higher or Pass to earn this Skills Competency Award and to be eligible to take the National Registry EMT Exam. Passing the NREMT Exam is required to obtain EMT-B certification in any county in California. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| EMT 110 | Emergency Medical Technician-Basic | 6 |
| **Total Units** | | **6.00** |

## Learning Outcomes

1. Perform one-rescuer and two-rescuer CPR on adult, child or infant (prerequisite to course).
2. Perform primary and secondary medical assessment of acute illness or trauma in an emergency setting.
3. Perform airway management and oxygen therapy.
4. Control bleeding, dress and bandage soft tissue trauma with appropriate supplies.
5. Simple extrication procedures.
6. Safely immobilize, stabilize, and transport possible spinal injury victims.
7. Splint and apply appropriate traction.
8. Monitor for condition change after stabilization.
9. Set up intravenous solutions.
10. Verbalize knowledge of scope of practice, consent, and liabilities.
11. Verbalize and perform infection control precautions.
12. Perform and use the Automated External Defibrillator (AED).

# American Ethnic Studies

American Ethnic Studies is the critical and interdisciplinary study of race, ethnicity, and indigeneity with a focus on the experiences and perspectives of people of color within and beyond the United States. Since the emergence of ethnic studies as an academic field in the late 1960s, scholars have analyzed the ways in which race and racism have been, and continue to be, powerful social, cultural, and political forces and their connections to other axes of stratification, including gender, class, sexuality, and legal status.  The Department of American Ethnic Studies here at Santa Barbara City College was one of the first in the nation.  The Department offers Associate in Arts degrees in Black Studies, Chicano Studies and Native American Studies.

## Programs of Study

**Associate Degrees**

- Black Studies, Associate of Arts (AA)
- Chicano Studies, Associate of Arts (AA)
- Ethnic Studies, Associate of Arts (AA)
- Native American Studies, Associate of Arts (AA)

# Black Studies, Associate of Arts (AA)

## Overview

The Department of American Ethnic Studies provides a major in Black Studies. The Black Studies major is geared to increase our awareness and understanding of the Black experience. The Black Studies major examines the history, culture, contributions and problems of this community. It is the department's belief that, through an examination of the heritage and contributions of the Afro-American experience, one can appreciate ones own heritage.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|------|
| **Department Requirements** | | |
| BLST 101 | The African-American In U.S. History To World War II | 3-4 |
| or BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| BLST 103 | African-American Culture | 3 |
| BLST 111 | The African-American Music Experience | 3 |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| or NATA 101 | American Indian: Past and Present | |
| or ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ETHS 117 | Cultural Diversity In Film | 3 |
| or ETHS/SOC 107 | Racism In America | |
| **Total Units** | | **18.00-19.00** |

# Learning Outcomes

1. Students will explain the development of racism within U.S. and its impact on America.

2. Students will be able to explain that American history is not just a history of whites, but that African Americans have also made many important contributions to the development of U.S. social, political, cultural, and economic institutions.

3. Students will create an intellectual setting in which participants from all communities can gain a knowledge of the Black world, assisting them in embracing diversity in their development into productive, lifelong learners, citizens, and activists seeking to improve their communities, their nations, and the world.

4. Students will present an analysis that displays their knowledge and understanding of the diverse history, cultural linkages, and social geography of people of African heritage in Africa and the Diaspora.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Chicano Studies, Associate of Arts (AA)

## Overview

The Mexican-American people, the second largest minority group in the United States, trace their origins to the Hispanic-Indian heritage of Mexico and to more than three hundred years of participation in the historical development of the American Southwest and the United States.

The Chicano Studies Program at Santa Barbara City College investigates the life of these people throughout the nation.  The history, culture, contributions and contemporary problems facing Chicanos are explored in literature, language, history, and sociology classes.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).

2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|------|
| **Department Requirements** | | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| or CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | |
| CHST 103 | Mexican-American (Chicano) Culture | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | 3 |
| or CHST 114 | Borderlands Literature: U.S.-Mexico | |
| or CHST 115 | Introduction To Mexican Literature | |
| CHST 121 | The Chicana And Other Latina Women | 3 |
| CHST 130 | History Of Mexican Art [1] | 3 |
| or CHST 131 | History Of Chicano Art | |
| Complete one course from the following: | | 3 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| BLST 101 | The African-American In U.S. History To World War II | |
| NATA 101 | American Indian: Past and Present | |
| **Total Units** | | **18.00** |

[1] Students who completed CHST 119 (19) are exempt from this requirement.

# Learning Outcomes

1. Students will demonstrate and internalize the ability to comprehend the Latina/o experience critically, analytically, and creatively.

2. Students will practice and demonstrate oral, written, and research skills.

3. Students will develop their knowledge and pursue a deeper understanding of Chicana/o & Latina/o history, culture, language, and socio-political issues.

4. Student will demonstrate leadership skills and internalize the need for social change in Chicana/o & Latina/o communities and the broader society through service learning.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Ethnic Studies, Associate of Arts (AA)

## Overview

The United States, California, and the Santa Barbara area have a great variety of peoples of different ethnic, racial and cultural backgrounds.  All of these together make up the American Mosaic.  The American Ethnic Studies Department examines the heritage, contributions and problems of these communities.  Emphasis is placed on the Black, Mexican-American and Native American cultures.  It is the department's belief that through an examination of the heritage of others, one can appreciate ones own heritage.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Complete two courses from the following: | | 6-8 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| or ASAM 102 | Contemporary Asian-American History | |
| BLST 101 | The African-American In U.S. History To World War II | |
| or BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| or CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | |
| ETHS 101 | The Immigrant Experience in the U.S. | |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| ETHS 121 | Women of Color In The U.S. | |
| or CHST 121 | The Chicana And Other Latina Women | |
| or ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | |
| NATA 101 | American Indian: Past and Present | |
| Complete two courses from the following: | | 6 |
| BLST 103 | African-American Culture | |
| CHST 103 | Mexican-American (Chicano) Culture | |
| ETHS/SOC 107 | Racism In America | |
| ETHS 109 | U.S.-Mexico And Other Borderlands | |
| ETHS 110 | Contemporary Ethnic Communities | |
| NATA 103 | Native American Cultural Heritage | |
| Complete one course from the following: | | 3 |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | |
| CHST 115 | Introduction To Mexican Literature | |
| NATA 113 | The Indian In Literature: Fact And Fiction | |
| Complete one course from the following: | | 3 |
| BLST 111 | The African-American Music Experience | |
| NATA 112 | Native American Visual And Musical Art | |
| **Total Units** | | **18.00-20.00** |

## Learning Outcomes

1. Analyze the role of the state in maintaining social inequality through institutions.
2. Explain how race, class and gender roles create and sustain society within institutions.
3. Explain how social forces influence the life experience of individuals.
4. Explain the major theoretical perspectives in American Ethnic Studies.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Native American Studies, Associate of Arts (AA)

## Overview

The Department of American Ethnic Studies provides a major in Native American Studies.  The Native American program is designed to provide an introduction to the Native American experience in North America by means of comprehensive exposure to course-work dealing with the major aspects of Indian life, including history, values, politics, literature, and art.

 It is the Department's belief that, through an examination of the heritage and contributions of the heritage of others, one can appreciate ones own heritage.

 The major provides preparation for transfer into four-year colleges and universities.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| or BLST 101 | The African-American In U.S. History To World War II | |
| or CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| NATA 101 | American Indian: Past and Present | 3 |
| NATA 102 | The Native American In 20th Century Society | 3 |
| or NATA 105 | California Tribes: The Chumash | |
| NATA 103 | Native American Cultural Heritage | 3 |
| NATA 112 | Native American Visual And Musical Art | 3 |
| NATA 113 | The Indian In Literature: Fact And Fiction | 3 |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Develop a general understanding of Native North American history.

2. Develop a general understanding of the diversity of North American Indian culture through an in depth consideration of different Tribes and Nations.

3. Discover and explore how North American Indians have been affected by culture change.

4. Discover and learn about the diversity of Native American governments.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Anthropology

The study of Anthropology is the study of humanity—all aspects of humanity—and as such covers a hugely diverse range of seemingly disparate topics. Anthropologists look not just at one particular society, culture or religion, but examine how seemingly divergent cultures, pasts, individuals and social trends are related to one another and to all of humankind.

The goal of the Anthropology Program at Santa Barbara City College is to prepare students to use Anthropology's wide range of studies, research methods, and applications to gain a greater understanding of people in general and the world as a whole. The program aims to educate students as to the various forms that Anthropology can take and  how some of the more specialized technological fields (such as Archaeology and Physical Anthropology) apply their research methods. Furthermore, Anthropology aims to give students the tools necessary to examine and evaluate world cultures, to understand the origin of human beings, and enable them to competently and confidently effect change in the society and culture of which they are a part.

## Programs of Study

**Associate Degree for Transfer**

• Anthropology, Associate in Arts for Transfer (AA-T) (p. 181)

**Associate Degree**

• Anthropology, Associate of Arts (AA) (p. 180)

# Anthropology, Associate of Arts (AA)

## Overview

Anthropology is the study of humans in the broadest sense: biological, socio-cultural, and historical. The Department of Anthropology provides students with a rich curriculum, with courses focusing on the

development of humanity through the ages: our cultures, our behaviors, our belief systems and our origin.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
     a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
     b. OPTION 2: IGETC (p. 141) Pattern OR
     c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ANTH 101 | Physical Anthropology | 3-4 |
| or ANTH 101H | Physical Anthropology, Honors | |
| ANTH 102 | Introduction To Archaeology | 3-4 |
| or ANTH 102H | Introduction to Archaeology, Honors | |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 104 | Language and Culture | 3 |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |
| Complete one course from the following: | | 3 |
| ANTH 109 | Comparative World Cultures | |
| ANTH 113 | Witchcraft, Magic, Science And Religion | |
| **Total Units** | | **18.00-21.00** |

## Learning Outcomes

1. Demonstrate basic knowledge of the holistic nature of Anthropology and the concepts of culture and biology as used by contemporary anthropologists.
2. Describe the development of Anthropology as a profession, explaining why it can be considered both a science and a humanity and how it became a distinct field of inquiry while retaining a relationship with other academic disciplines.
3. Discuss the four-field nature of Anthropology and the relation of its sub-disciplines to one another, particularly in terms of the biological and social construction of such terms as sex, gender and race
4. Describe ways in which different aspects of culture—economic, social, political, and religious practices and institutions—relate to one another in a cultural system, and draw comparisons between different cultures, past and present.

5. Demonstrate an awareness and appreciation of cultural diversity enhanced by a holistic perspective on culture as integrated, dynamic, and embedded in broader processes of intercultural connection and globalization.
6. Discuss their own cultural biases, as well as the biases of others, explaining why these biases exist while retaining the ability to put said biases aside in order to evaluate the cultural syntheses of others in ethnographies, films, news and media.
7. Articulate the importance of ethics in Anthropology, specifically the fundamental obligations of anthropologists to members of the societies they study, their research sponsors and their profession.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Anthropology, Associate in Arts for Transfer, (AA-T)

The study of Anthropology is the study of humanity—all aspects of humanity—and as such covers a hugely diverse range of seemingly disparate topics. Anthropologists look not just at one particular society, culture or religion, but rather they look at how seemingly divergent cultures, pasts, individuals and social trends are related to one another and to all of humankind as a whole. With this knowledge, anthropologists believe it is possible for us to gain a better understanding of who we are, where we have come from, and where we may be heading in the future.

The Associate in Arts for Transfer degree in Anthropology provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Required Core | | |
| ANTH 101 | Physical Anthropology | 3-4 |
| or ANTH 101H | Physical Anthropology, Honors | |
| ANTH 102 | Introduction To Archaeology | 3-4 |
| or ANTH 102H | Introduction to Archaeology, Honors | |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| List A - Complete one course from the following: | | 3-5 |
| ANTH 104 | Language and Culture | |
| ANTH 113 | Witchcraft, Magic, Science And Religion | |
| BOT 121 | Plant Diversity | |
| COMM 235 | Argumentation and Debate | |
| EH 102 | Soils And Plant Nutrients | |
| ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| ENVS 110 | Humans And The Biological Environment | |
| ERTH 126 | Petrology and Rock-Forming Minerals | |
| ERTH 151 | Introductory Physical Oceanography | |
| GEOG 101/ ERTH 141 | Physical Geography | |
| GEOG 102 | Human Geography | |
| NATA 103 | Native American Cultural Heritage | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| PSY 150 | Statistics for the Behavioral Sciences | |
| or MATH 117 | Elementary Statistics | |
| ZOOL 122 | Animal Diversity | |
| List B - Complete one course from the following: | | 3-5 |
| Any List A course not selected above | | |
| BMS 107 | Human Anatomy | |
| ENVS 115 & 115L | Environmental Geology and Environmental Geology Laboratory [1] | |
| or ERTH 115 & 115L | Environmental Geology and Environmental Geology Laboratory | |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory | |
| or ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory | |
| ERTH 171 & ERTH 172 | Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications [2] | |
| or GEOG 171 & GEOG 172 | Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications | |
| PSY 200 | Research Methods and Experimental Design in Psychology | |

| | | |
|------|-------|-------|
| List C - Complete one course from the following: | | 3-5 |
| Any course from List A or B not selected above | | |
| AJ 105 | Diversity, Law and Justice | |
| ANTH 109 | Comparative World Cultures | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ASAM 102 | Contemporary Asian-American History | |
| BLST 101 | The African-American In U.S. History To World War II | |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| BLST 103 | African-American Culture | |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | |
| CHST 103 | Mexican-American (Chicano) Culture | |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | |
| CHST 114 | Borderlands Literature: U.S.-Mexico | |
| CHST 115 | Introduction To Mexican Literature | |
| CHST 121 | The Chicana And Other Latina Women | |
| COMM 151 | Intercultural Communication | |
| ENG 231 | World Literature: Ancient Times to 16th Century | |
| ENG 232 | World Literature: 17th Century to Present | |
| ETHS 101 | The Immigrant Experience in the U.S. [3] | |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| ETHS/SOC 107 | Racism In America | |
| ETHS 121 | Women of Color In The U.S. | |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | |
| FS 111 | Contemporary World Cinema | |
| GEOG 104 | World Regional Geography | |
| GLST 101 | Introduction to Global Studies | |
| GLST 102 | Global Problems | |
| HIST 107 | World Civilization, Beginnings to 1550 | |
| HIST 108 | World Civilization, 1550 to Present | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| HIST 135 | History of Mexico | |
| HIST 137 | History of Religions of The Middle East | |
| HIST 138 | History of the Modern Middle East | |
| MUS 118 | World Music | |
| NATA 101 | American Indian: Past and Present | |

| NATA 102 | The Native American In 20th Century Society |
|---|---|
| NATA 104 | California Indians |
| NATA 105 | California Tribes: The Chumash |
| NATA 113 | The Indian In Literature: Fact And Fiction |
| PHIL 102 | Comparative World Religions |
| POLS 121 | International Politics |
| or POLS 121H | International Politics, Honors |
| POLS 122 | International Organizations: Global and Regional Governance |
| POLS 131 | Comparative Politics |
| POLS 136 | Middle East Government And Politics |
| SOC 101 | Introduction To Sociology |
| or SOC 101H | Introduction to Sociology, Honors |
| SOC 106 | Sociology of Deviance |
| SOC 109 | Social Problems |
| **Total Units** | **18.00-26.00** |

1   ERTH 115 & 115L are the same as ENVS 115 & 115L
2   ERTH 171 & 172 are the same as GEOG 171 & 172.
3   ETHS 101, 101H are the same as HIST 114, 114H.

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate basic knowledge of the holistic nature of Anthropology and the concepts of culture and biology as used by contemporary anthropologists.

2. Describe the development of Anthropology as a profession, explaining why it can be considered both a science and a humanity and how it became a distinct field of inquiry while retaining a relationship with other academic disciplines.

3. Discuss the four-field nature of Anthropology and the relation of its sub-disciplines to one another, particularly in terms of the biological and social construction of such terms as sex, gender and race

4. Describe ways in which different aspects of culture—economic, social, political, and religious practices and institutions—relate to one another in a cultural system, and draw comparisons between different cultures, past and present.

5. Demonstrate an awareness and appreciation of cultural diversity enhanced by a holistic perspective on culture as integrated, dynamic, and embedded in broader processes of intercultural connection and globalization.

6. Discuss their own cultural biases, as well as the biases of others, explaining why these biases exist while retaining the ability to put said biases aside in order to evaluate the cultural syntheses of others in ethnographies, films, news and media.

7. Articulate the importance of ethics in Anthropology, specifically the fundamental obligations of anthropologists to members of the societies they study, their research sponsors and their profession.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Art

The Art Department's mission is to provide students an innovative and comprehensive foundations level education in Art and Art History. Our faculty foster material experimentation, creative thinking, intellectual rigor and an informed world view. We encourage debate and exposure to differing viewpoints as an essential part of artistic and academic growth. The department is committed to an innovative, inclusive, and equitable pedagogy and works toward the success of every student.

We offer multiple modality learning environments through a) an art studio or art history curriculum for Art majors b) a structured program for majors from other departments such as Multimedia Arts, Interior Design, Graphic Design or Photography or c) as an important complement to coursework for students in a wide variety of majors across the SBCC campus. The department offers courses in two-dimensional design, three-dimensional design, drawing, painting, printmaking, artists' books, ceramics, sculpture and art history to provide the student a full background and the necessary training to either transfer to another institution or proceed independently. We see many of our students successfully move on to art schools, four year institutions and professional careers. We also have exhibition and professional development opportunities available to students through our Atkinson Gallery programming and lecture series.

Art History faculty hold PhDs and Studio faculty hold MFA degrees and also maintain their studio practice as an integral function of their commitment to solid pedagogy. Each full time faculty acts as coordinator of the following media specific service areas.

Joy Kunz, Art History
Stephanie Dotson, Printmaking
Armando Ramos, Sculpture
Christopher Ulivo, Painting
Stephanie Washburn, Drawing

### Atkinson Gallery

The Atkinson Gallery is SBCC's showcase for the visual arts and an essential component of the Art Department. The Atkinson hosts up to six contemporary art exhibitions each academic year that feature regional, national and international artists working in various media and styles. These exhibitions allow students to directly engage with expert examples of what they learn in their classrooms. The gallery also hosts a series of public lectures by artists and art historians regarding their work and current issues in the field. The Atkinson's director leads student and community groups to discuss programming with a focus on visual literacy and critical thinking. Our annual student exhibition allows students to participate in a professional art exhibition with artworks produced as part of their coursework. In addition, through the gallery's internship program, a group of students are selected each year through a competitive process to work in the gallery where they gain hands on training in curating, research, marketing, exhibition design, and arts administration. The Atkinson Gallery maintains a vital commitment to our local community and reaches a broad audience due to unique programming that is free and open to the public.

John Connelly, Atkinson Gallery Director

# Programs of Study

## Associate Degrees for Transfer

- Art History, Associate in Arts for Transfer (AA-T) (p. 184)
- Studio Art, Associate in Arts for Transfer (AA-T) (p. 190)

## Associate Degrees

- Art, Associate of Arts (AA): Emphasis in Art History (p. 187)
- Art, Associate of Arts (AA): Emphasis in Art Studio (p. 188)

## Certificates of Achievement

- Art History, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/art/art-history-certificate-achievement/)
- Drawing, Certificate of Achievement (C) (p. 189)
- Studio Arts, Certificate of Achievement (C) (p. 191)

# Art History, Associate in Arts for Transfer (AA-T)

The field of art history covers a wide range of topics. The major in Art History has been planned to give students an overview of the History of Art. A broad range of courses is offered in both the Art of the Western and Non-Western World. This major is designed to give students exposure to basic information in the discipline and provide the opportunity to focus on the areas that best suit their individual needs. Students should consult with a departmental adviser and/or counselor when choosing both controlled and general electives in order to develop a program of study that is best suited to their specific needs. For example, requirements for the Baccalaureate Degree in Art History vary from one institution to another. It is, therefore, essential to become familiar with the requirements of the institution a student plans to attend.

The Associate in Arts for Transfer degree in Art History provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

# Requirements

## Associate Degree for Transfer Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Required Core | | |
| ART 103 | History of Art, Prehistoric to Gothic | 3 |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 120 | Fundamentals Of Drawing | 3 |
| List A - Complete one course from the following: | | 3 |
| ART 108 | History of Asian Art | |
| ART 111 | Survey Of Tribal Arts | |
| ART 112 | Survey Of Ancient American Art | |
| ART 215 | Survey Of Non-Western Art | |
| ART 216 | Survey Of Islamic Art And Architecture | |
| CHST 130 | History Of Mexican Art | |
| CHST 131 | History Of Chicano Art | |
| NATA 112 | Native American Visual And Musical Art | |
| List B - Complete one course from the following: | | 3 |
| ART 101 | Visual Literacy | |
| ART 121 | Intermediate Drawing | |
| ART 122 | Advanced Drawing | |
| ART 123 | Figure and Portrait Drawing | |
| ART 130 | Integrated Drawing and Painting | |
| ART 132 | Fundamentals of Painting | |
| ART 133 | Intermediate Painting | |
| ART 134 | Theory and Application in Painting | |
| ART 140 | Studio Art Foundations (2-D) | |
| ART 141 | Studio Art Foundations 3D | |
| ART 150 | Fundamentals of Ceramics | |
| ART 154 | Ceramic Sculpture | |
| ART 170 | Introduction to Sculpture | |
| ART 190 | Introduction to Printmaking | |
| ART 191 | Intermediate Printmaking | |
| ART 192 | Advanced Printmaking | |
| ART 193 | Beginning Printmaking: Silkscreen | |
| ART 194 | Intermediate Printmaking: Silkscreen | |
| DRFT 124 | Architectural Rendering I | |
| DRFT 125 | Architectural Rendering II | |
| FP 275 | Production II: Narrative Filmmaking | |
| GDP 113 | Typography | |
| GDP 114 | Intermediate Graphic Design | |
| GDP 212 | Graphic Design II | |
| ID 101 | Space Planning And Lighting | |
| MAT 112 | Digital Drawing | |
| MAT 134A | Classical Animation I | |
| MAT 134B | Classical Animation II | |
| MAT 136 | Introduction to 3D Animation | |
| PHOT 109 | Introduction to Photography | |
| List C - Complete one course from the following: | | 3-5 |

Any course not taken in List A or B

| | |
|---|---|
| AJ 105 | Diversity, Law and Justice |
| ANTH 102 | Introduction To Archaeology |
| or ANTH 102H | Introduction to Archaeology, Honors |
| ANTH 103 | Introduction To Cultural Anthropology |
| ANTH 104 | Language and Culture |
| ANTH 109 | Comparative World Cultures |
| ANTH 113 | Witchcraft, Magic, Science And Religion |
| ARBC 101 | Beginning Modern Standard Arabic I |
| ARBC 102 | Beginning Modern Standard Arabic II |
| ART 102A | Early Twentieth Century Art, 1900-1945 |
| ART 102B | Late Twentieth Century Art |
| ART 106 | History Of American Art |
| ART 110 | History of Women in Art |
| ART 114 | History Of Photography |
| ART 210 | Survey Of Renaissance And Baroque Art |
| ART 211 | Nineteenth Century Art |
| ASAM 101 | Comparative Asian-American History, 1849-1965 |
| ASAM 102 | Contemporary Asian-American History |
| BLST 101 | The African-American In U.S. History To World War II |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors |
| BLST 103 | African-American Culture |
| BLST 111 | The African-American Music Experience |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. |
| CHST 101 | Mexican-American (Chicano) History In The U.S. |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present |
| CHST 103 | Mexican-American (Chicano) Culture |
| CHST 113 | Introduction to Chicano/Mexican-American Literature |
| CHST 114 | Borderlands Literature: U.S.-Mexico |
| CHST 115 | Introduction To Mexican Literature |
| CHST 121 | The Chicana And Other Latina Women |
| CHST/TA 160 | Chicano Theatre |
| CHIN 101 | Beginning Chinese I |
| CHIN 102 | Beginning Chinese II |
| CHIN 103 | Intermediate Chinese |
| COMM 151 | Intercultural Communication |
| ECE 115 | Children's Literature |
| ENG 221 | Survey of British Literature: 800-1798 |
| or ENG 221H | Survey of British Literature 800-1798, Honors |

| | |
|---|---|
| ENG 222 | Survey of British Literature: 1798-Present |
| or ENG 222H | Survey of British Literature: 1798-Present, Honors |
| ENG 225 | American Literature: Pre-Colonization to 1865 |
| ENG 226 | American Literature: 1865-present |
| or ENG 226H | American Literature, Honors |
| ENG 231 | World Literature: Ancient Times to 16th Century |
| ENG 232 | World Literature: 17th Century to Present |
| ENG 240 | Contemporary Fiction |
| ENG 241 | Contemporary Women Writers |
| ENG 242 | Contemporary Dramatic Literature |
| ENG 251 | Introduction To Poetry |
| ENG 261 | Literature And Film |
| ENG 262 | Shakespeare |
| ENVS/HIST 112 | American Environmental History |
| ETHS 101 | The Immigrant Experience in the U.S. |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors |
| ETHS/SOC 107 | Racism In America |
| ETHS 117 | Cultural Diversity In Film |
| ETHS 121 | Women of Color In The U.S. |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. |
| FS 101 | Introduction to Film Studies |
| or FS 101H | Introduction to Film Studies, Honors |
| FS 104 | American Film to 1960's |
| FS 105 | Introduction to Television Studies |
| FS 107 | Contemporary American Film |
| FS 112A | French Film |
| FS 112B | Art Cinema |
| FS 113 | Experimental Film |
| FS 114 | History of Animation |
| FS 116 | Gender and Sexuality in Film |
| FS 118 | Film Genres |
| FS 120 | Visionary Filmmakers |
| FS 121 | Documentary Film |
| FR 101 | Beginning French I |
| FR 102 | Beginning French II |
| FR 103 | Intermediate French I |
| FR 132 | Intermediate Literary Readings |
| GER 101 | Beginning German I |
| GER 102 | Beginning German II |
| GER 103 | Intermediate German I |
| HEBR 101 | Beginning Modern Hebrew I |
| HEBR 102 | Beginning Modern Hebrew II |
| HIST 101 | History of the U.S. to 1877 |
| HIST 102 | History of the U.S. Since 1865 |
| or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 103 | History of Western Civilization |
| HIST 104 | History of Western Civilization |

| | | |
|---|---|---|
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| HIST 107 | World Civilization, Beginnings to 1550 | |
| HIST 108 | World Civilization, 1550 to Present | |
| HIST 110 | History of American Women | |
| or HIST 110H | History Of American Women (Honors) | |
| HIST 111 | The American West as Frontier and Region | |
| HIST 115 | The Vietnam Wars | |
| HIST 120 | Modern Europe | |
| HIST 121 | History Of Great Britain | |
| HIST 122 | History Of Great Britain | |
| HIST 127 | History Of Russia | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| HIST 135 | History of Mexico | |
| HIST 137 | History of Religions of The Middle East | |
| HIST 138 | History of the Modern Middle East | |
| ITAL 101 | Beginning Italian I | |
| ITAL 102 | Beginning Italian II | |
| ITAL 103 | Intermediate Italian I | |
| JAPN 101 | Beginning Japanese I | |
| JAPN 102 | Beginning Japanese II | |
| JAPN 103 | Intermediate Japanese I | |
| KOR 101 | Beginning Korean I | |
| KOR 102 | Beginning Korean II | |
| LATN 101 | Beginning Latin I | |
| LATN 102 | Beginning Latin II | |
| MUS 102A | Basic Musicianship | |
| MUS 104A | Beginning Theory | |
| MUS 110 | Music Appreciation | |
| MUS 112 | History of Jazz | |
| MUS 114A | Survey of Music History | |
| MUS 114B | Survey of Music History | |
| MUS 115 | History And Appreciation Of Rock And Popular Music | |
| MUS 118 | World Music | |
| MUS 120A | Sound Recording And Electronic Music | |
| NATA 101 | American Indian: Past and Present | |
| NATA 102 | The Native American In 20th Century Society | |
| NATA 103 | Native American Cultural Heritage | |
| NATA 104 | California Indians | |
| NATA 105 | California Tribes: The Chumash | |
| NATA 113 | The Indian In Literature: Fact And Fiction | |
| PHIL 100 | Introduction to Philosophy | |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| PHIL 101 | Introduction to Ethics | |
| or PHIL 101H | Introduction To Ethics, Honors | |
| PHIL 102 | Comparative World Religions | |

| | | |
|---|---|---|
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| PHIL 203 | History Of Philosophy: Contemporary | |
| PHIL 204 | History And Philosophy Of The Great Ideas Of Physics | |
| PE 250 | Survey and Appreciation of Dance History | |
| PSY 135 | Psychology of Film | |
| SPAN 101 | Beginning Spanish I | |
| SPAN 102 | Beginning Spanish II | |
| SPAN 103 | Intermediate Spanish I | |
| SPAN 132 | Introduction to Literary Analysis | |
| SPAN 139 | Contemporary Cultures Of Spain | |
| SPAN 146 | Intermediate Spanish for Native Speakers I | |
| SPAN 147 | Intermediate Spanish for Native Speakers II | |
| SPAN 150 | Advanced Spanish | |
| SPAN 160 | Advanced Spanish | |
| TA 103 | Theatre Appreciation | |
| TA 107 | Development Of Drama: Greek to Renaissance | |
| TA 108 | Development Of Drama II: Restoration To Contemporary | |
| TA 111 | Beginning Acting | |
| TA 120 | Understanding Scenography | |
| TA 121 | Introduction to Stagecraft | |
| TA 134 | Costume Design | |
| TA 136 | Theatrical Makeup Techniques | |
| TA 160 | Chicano Theatre | |
| TA 215 | Fundamentals of Directing | |
| **Total Units** | | **18.00-20.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate knowledge and application and/or analysis of formal principles and elements of art.
2. Demonstrate critical thinking as it applies to critique, evaluation and/or production of works of art.
3. Demonstrate proficiency in understanding and/or use of tools and techniques of making visual art.
4. Demonstrate knowledge of various artistic movements and significant artists.
5. Demonstrate professional behavior in the studio/classroom.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Art, Associate of Arts (AA): Emphasis in Art History

## Overview

The major in Art History has been planned to give students an overview of the History of Art.  A broad range of courses is offered in both the Art of the Western and Non-Western World.  After fulfilling basic core requirements, students may shape their major, through their choice of electives, to specialize in one of these areas, according to their interest. Students are encouraged to take courses in studio art as well as related courses in the History department, to broaden their understanding of the conceptual, historical and technical bases of art history.  Upon graduation from Santa Barbara City College with an art history major, students should be prepared to enter the third year of a major in the field at a four year college or university.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Art of the Western World: | | |
| ART 102A | Early Twentieth Century Art, 1900-1945 | 3 |
| ART 102B | Late Twentieth Century Art | 3 |
| ART 103 | History of Art, Prehistoric to Gothic | 3 |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| Art of the Non-Western World: Complete one course from the following: | | 3 |
| ART 108 | History of Asian Art | |
| ART 111 | Survey Of Tribal Arts | |
| ART 112 | Survey Of Ancient American Art | |
| ART 215 | Survey Of Non-Western Art | |
| Studio Art: Complete one course from the following: | | 3 |
| ART 120 | Fundamentals Of Drawing | |
| ART 140 | Studio Art Foundations (2-D) | |
| ART 141 | Studio Art Foundations 3D | |
| Controlled Electives: Complete two courses from the following: | | 6 |
| ART 106 | History Of American Art | |
| ART 108 | History of Asian Art | |
| ART 110 | History of Women in Art | |
| ART 111 | Survey Of Tribal Arts | |
| ART 112 | Survey Of Ancient American Art | |
| ART 114 | History Of Photography | |
| ART 210 | Survey Of Renaissance And Baroque Art | |
| ART 211 | Nineteenth Century Art | |
| ART 216 | Survey Of Islamic Art And Architecture | |
| Support Courses: Complete one course from the following: | | 3-4 |
| ART 101 | Visual Literacy | |
| ART 120 | Fundamentals Of Drawing | |
| ART 122 | Advanced Drawing | |
| ART 140 | Studio Art Foundations (2-D) | |
| ART 141 | Studio Art Foundations 3D | |
| ART 150 | Fundamentals of Ceramics | |
| ART 170 | Introduction to Sculpture | |
| ART 190 | Introduction to Printmaking | |
| HIST 103 | History of Western Civilization | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| HIST 135 | History of Mexico | |
| **Total Units** | | **27.00-28.00** |

*Note: A course may not be used to satisfy more than one requirement (double counting is not allowed).*

## Learning Outcomes

1. Demonstrate knowledge and application and/or analysis of formal principles and elements of art.
2. Demonstrate critical thinking as it applies to critique, evaluation and/or production of works of art.
3. Demonstrate knowledge of various artistic movements and significant artists.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Art, Associate of Arts (AA): Emphasis in Art Studio

## Overview

Students interested in art, either as a vocation or as an avocation, have an outstanding opportunity to prepare themselves for this field under the guidance of the Santa Barbara City College art faculty.  All instructors are professional artists who exhibit on a national and international basis.

The department has planned an art curriculum to prepare students in their primary field of interest, plus a range of disciplines and fundamentals important to artistic development.  The department offers courses in drawing, design, painting, sculpture, ceramics, printmaking and art history to give the student maximum background and training either for transfer to another institution or to proceed independently after leaving SBCC.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ART 102A | Early Twentieth Century Art, 1900-1945 | 3 |
| ART 102B | Late Twentieth Century Art | 3 |
| ART 103 | History of Art, Prehistoric to Gothic | 3 |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| ART 141 | Studio Art Foundations 3D | 3 |
| **Controlled Electives** | | |
| Group A: Complete one course from the following: | | 3 |
| ART 121 | Intermediate Drawing | |
| ART 122 | Advanced Drawing | |
| ART 123 | Figure and Portrait Drawing | |
| Group B: Complete one course from the following: | | 3 |
| ART 130 | Integrated Drawing and Painting | |
| ART 132 | Fundamentals of Painting | |
| ART 190 | Introduction to Printmaking | |
| ART 193 | Beginning Printmaking: Silkscreen | |
| Group C: Complete one course from the following: | | 3 |
| ART 150 | Fundamentals of Ceramics | |
| ART 170 | Introduction to Sculpture | |
| Support Courses: Complete one course from the following: | | 3 |
| ART 101 | Visual Literacy | |
| ART 106 | History Of American Art | |
| ART 108 | History of Asian Art | |
| ART 110 | History of Women in Art | |
| ART 111 | Survey Of Tribal Arts | |
| ART 112 | Survey Of Ancient American Art | |
| ART 114 | History Of Photography | |
| ART 133 | Intermediate Painting | |
| ART 134 | Theory and Application in Painting | |
| ART 137 | Advanced Painting | |
| ART 151 | Intermediate Ceramics | |
| ART 152 | Advanced Ceramics | |
| ART 154 | Ceramic Sculpture | |
| ART 171 | Intermediate Sculpture | |
| ART 172 | Advanced Sculpture | |
| ART 173 | Beginning Casting | |
| ART 174 | Beginning Bronze Casting | |
| ART 180 | Sculpture Fabrication | |
| ART 181 | Intermediate Sculpture Fabrication | |
| ART 182 | Advanced Sculpture Fabrication | |
| ART 191 | Intermediate Printmaking | |
| ART 192 | Advanced Printmaking | |
| ART 194 | Intermediate Printmaking: Silkscreen | |
| ART 211 | Nineteenth Century Art | |
| ART 216 | Survey Of Islamic Art And Architecture | |
| MAT 134A | Classical Animation I | |
| **Total Units** | | **33.00** |

## Learning Outcomes

1. Demonstrate knowledge and application and/or analysis of formal principles and elements of art.
2. Demonstrate critical thinking as it applies to critique, evaluation and/or production of works of art.
3. Demonstrate proficiency in understanding and/or use of tools and techniques of making visual art.
4. Demonstrate professional behavior in the studio/classroom.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| ART 103 or ART 103H | History of Art, Prehistoric to Gothic or History of Art, Prehistoric to Gothic, Honors | 3 |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 140 or ART 141 | Studio Art Foundations (2-D) or Studio Art Foundations 3D | 3 |
| | **Units** | **9** |
| **Spring Semester** | | |
| ART 104 or ART 104H | History of Art, Renaissance to Modern or History Of Art, Renaissance To Modern, Honors | 3 |
| Select one course from the following: | | 3 |
| ART 122 | Advanced Drawing | |
| ART 140 | Studio Art Foundations (2-D) | |
| ART 141 | Studio Art Foundations 3D | |
| | **Units** | **6** |
| **Second Year** | | |
| **Fall Semester** | | |
| ART 102A | Early Twentieth Century Art, 1900-1945 | 3 |
| Select one course from the following: | | 3-3.3 |
| ART 130 | Integrated Drawing and Painting | |
| ART 190 | Introduction to Printmaking | |
| ART 150 or ART 170 | Fundamentals of Ceramics or Introduction to Sculpture | 3 |
| | **Units** | **9-9.30** |
| **Spring Semester** | | |
| ART 102B | Late Twentieth Century Art (Third semester) | 3 |
| Select one course from the following: | | 3-3.3 |
| ART 130 | Integrated Drawing and Painting | |
| ART 190 | Introduction to Printmaking | |
| ART 150 or ART 170 | Fundamentals of Ceramics or Introduction to Sculpture | 3 |
| | **Units** | **9-9.30** |
| | **Total Units** | **33-33.60** |

## Highly Recommended

| Code | Title | Units |
|---|---|---|
| MAT 103 | Introduction to Multimedia | 3 |
| MAT 131 | Digital Imaging I | 3 |
| PHOT 109 | Introduction to Photography | 3 |

# Drawing, Certificate of Achievement (C)
## Overview

The Certificate of Achievement in Drawing provides students with a comprehensive set of drawing skills that are critical to pursuing a wide array of career paths. This certificate will help you build the drawing competency necessary to pursue careers in fields including: Art, Illustration, Animation, Fashion, Gaming Design, Product Design, Graphic Design, Interior Design, Architecture and Landscape Design.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 123 | Figure and Portrait Drawing | 3 |
| ART 130 | Integrated Drawing and Painting | 3 |
| ART 132 | Fundamentals of Painting | 3 |
| DRFT 120 | Architectural Drafting I | 3 |
| MAT 112 | Digital Drawing | 3 |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Identify and incorporate the principles of composition and 2D art including line, shape, space, texture and value in their work.
2. Identify and effectively use the techniques and methods and various media and technologies for drawing.
3. Recognize and use appropriate language for evaluation and critique of art.
4. Analyze the cultural, social and economic conditions of art production.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 132 | Fundamentals of Painting | 3 |
| DRFT 120 | Architectural Drafting I | 3 |
| | **Units** | **9** |
| **Spring Semester** | | |
| ART 121 | Intermediate Drawing | 3 |
| ART 123 | Figure and Portrait Drawing | 3 |
| MAT 112 | Digital Drawing | 3 |
| | **Units** | **9** |
| | **Total Units** | **18** |

# Studio Arts, Associate in Arts for Transfer (AA-T)

The field of studio art covers a wide range of topics. The department offers courses in drawing, design, painting, sculpture, ceramics, printmaking and art history. This major is designed to give students exposure to basic information in the discipline and provide the opportunity to focus on the areas that best suit their individual needs. Students should consult with a departmental adviser and/or counselor when choosing both controlled and general electives in order to develop a program of study that is best suited to their specific needs. For example, requirements for the Baccalaureate Degree in Studio Arts vary from one institution to another. It is, therefore, essential to become familiar with the requirements of the institution a student plans to attend.

The Associate in Arts for Transfer degree in Studio Arts provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Required Core | | |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| ART 141 | Studio Art Foundations 3D | 3 |
| List A - Complete one course from the following: | | 3 |
| ART 102A | Early Twentieth Century Art, 1900-1945 | |
| ART 103 | History of Art, Prehistoric to Gothic | |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 106 | History Of American Art | |
| ART 108 | History of Asian Art | |
| ART 111 | Survey Of Tribal Arts | |
| ART 215 | Survey Of Non-Western Art | |
| List B - Complete three courses from the following: | | 9-10.3 |
| ART 121 | Intermediate Drawing | |
| or ART 122 | Advanced Drawing | |
| or ART 123 | Figure and Portrait Drawing | |
| ART 130 | Integrated Drawing and Painting | |
| or ART 132 | Fundamentals of Painting | |
| ART 133 | Intermediate Painting | |
| ART 134 | Theory and Application in Painting | |
| ART 150 | Fundamentals of Ceramics | |
| ART 151 | Intermediate Ceramics | |
| ART 152 | Advanced Ceramics | |
| ART 154 | Ceramic Sculpture | |
| ART 170 | Introduction to Sculpture | |
| ART 171 | Intermediate Sculpture | |
| ART 172 | Advanced Sculpture | |
| ART 190 | Introduction to Printmaking | |
| ART 191 | Intermediate Printmaking | |
| ART 192 | Advanced Printmaking | |
| ART 193 | Beginning Printmaking: Silkscreen | |
| ART 194 | Intermediate Printmaking: Silkscreen | |
| CS 101 | Computer Concepts | |
| DRFT 124 | Architectural Rendering I | |
| DRFT 125 | Architectural Rendering II | |
| FP 181 | Production Sound for Film and Television | |
| FP 275 | Production II: Narrative Filmmaking | |
| GDP 113 | Typography | |
| GDP 114 | Intermediate Graphic Design | |
| GDP 212 | Graphic Design II | |
| ID 101 | Space Planning And Lighting | |
| MAT 112 | Digital Drawing | |
| MAT 134A | Classical Animation I | |
| MAT 134B | Classical Animation II | |
| MAT 136 | Introduction to 3D Animation | |
| MAT 137 | Visual Effects for Film, Television and Gaming | |
| MAT 138 | 3-D Character Animation | |
| MAT 139 | 3-D Lighting And Rendering | |
| MAT 153 | Web Design I | |
| PHOT 109 | Introduction to Photography | |
| PHOT 209 | Intermediate Photography and Lighting | |
| **Total Units** | | **24.00-25.30** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate knowledge and application and/or analysis of formal principles and elements of art.

2. Demonstrate critical thinking as it applies to critique, evaluation and/or production of works of art.
3. Demonstrate proficiency in understanding and/or use of tools and techniques of making visual art.
4. Demonstrate knowledge of various artistic movements and significant artists.
5. Demonstrate professional behavior in the studio/ classroom.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Studio Arts, Certificate of Achievement (C)

## Overview

The Certificate of Achievement in Studio Arts provides students with the foundational knowledge in a diversity of mediums including drawing and design, painting, printmaking, sculpture or ceramics. Fundamental knowledge of 2 dimensional and 3 dimensional art practice as well as exposure to opportunities in a variety of media. There are a variety of career opportunities for students completing the Studio Arts Certificate of Achievement.  Students may find employment at: Museums, Universities, Galleries, Art Foundations, Institutes, Community Art Foundations, Start Up.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ART 102A | Early Twentieth Century Art, 1900-1945 | 3 |
| or ART 102B | Late Twentieth Century Art | |
| or ART 103 | History of Art, Prehistoric to Gothic | |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| or ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 119 | Art Field Studies: Studios, Galleries and Museums | 3 |
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 141 | Studio Art Foundations 3D | 3 |
| Complete two courses from the following: | | 6 |
| ART 118 | Portfolio Seminar for the Visual Arts | |
| ART 123 | Figure and Portrait Drawing | |
| ART 130 | Integrated Drawing and Painting | |
| ART 132 | Fundamentals of Painting | |
| ART 133 | Intermediate Painting | |
| ART 140 | Studio Art Foundations (2-D) | |
| ART 150 | Fundamentals of Ceramics | |
| ART 151 | Intermediate Ceramics | |
| ART 170 | Introduction to Sculpture | |
| ART 171 | Intermediate Sculpture | |
| ART 190 | Introduction to Printmaking | |
| ART 191 | Intermediate Printmaking | |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Identify and incorporate the principles of composition and 2D and 3D art including balance, rhythm, pattern, emphasis, contrast, unity and movement in their work.
2. Identify and effectively use the techniques and methods and various media and technologies of art making.
3. Recognize and use appropriate language for evaluation and critique of art.
4. Analyze the social, cultural and economic conditions of art production.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Automotive Service and Technology

The Automotive Technologies program provides students with the knowledge and skills necessary to gain entry into the automotive repair industry. This is a fun and rewarding field, providing high paying jobs and career opportunities for those people with the skills necessary to maintain, diagnose and repair today's incredibly complex automobiles.

Our program offers both a Certificate and an AS degree in Automotive Service and Technology to students who complete courses in all eight of the National Institute for Automotive Service Excellence (ASE) specialization areas: Engine Repair, Engine Performance, Heating and Air Conditioning, Electrical Systems, Automatic Transmissions, Manual Transmission and Axle, Brakes and Front End. We also offer courses designed to provide the renewal of emissions licensing, hybrid vehicle service techniques, update a technician's industry skills and retraining opportunities for entry-level employment.
SBCC's Automotive Technologies program is a NATEF (ASE) certified Master Training Institution with all new/updated labs/classrooms and all of our instructors are NIASE (ASE) certified Master Technicians.

## Programs of Study

**Associate Degree**

- Automotive Service and Technology, Associate of Science (AS) (p. 192)

**Certificate of Achievement**

- Automotive Service and Technology, Certificate of Achievement (C) (p. 193)

- Automotive Basic Maintenance and Light Repair Technician (C) (https://catalog.sbcc.edu/academic-departments/automotive-service-technology/automotive-basic-maintenance-and-light-repair-technician-certificate-achievement/)

# Automotive Service and Technology, Associate of Science (AS)

## Overview

The A.S. degree is designed for second year automotive students.  The well-rounded student graduating from the program will be a leader, prepared to own or manage a business or to transfer to a four-year university.  Students can complete courses required for the one-year certificate in the first year of study.  Advanced automotive courses can be taken with general education requirements during the second year.  Second year students often work in a part-time job and receive credit for Automotive Work Experience.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| AUTO 101 | Introduction to Auto Mechanics | 3 |
| AUTO 110 | Fundamentals of Automotive Servicing | 4 |
| AUTO 111 | Engine Rebuilding | 7 |
| AUTO 112 | Brakes, Suspension and Steering | 4.6 |
| AUTO 113 | Automotive Fuel and Air Conditioning Systems | 4.6 |
| AUTO 114 | Automotive Power Train | 7 |
| AUTO 115 | Automotive Electricity | 7 |
| AUTO 116 | Engine Performance | 7 |
| **Total Units** | | **44.20** |

### Recommended Electives

| Code | Title | Units |
| --- | --- | --- |
| AUTO 102 | Basic Car Care, Maintenance and Repair | 3 |
| AUTO 217 | Automotive Specialty I | 2 |
| AUTO 218 | Automotive Specialty II | 3 |

| | | |
| --- | --- | --- |
| AUTO 290 | Work Experience In Automotive Service And Technology | 1-4 |

## Learning Outcomes

1. Students will develop skills to advance their knowledge as automotive technicians.
2. Students will conduct themselves on the job as professionals, including practicing safety precautions to prevent accidents.
3. Students will become lifelong learners and advocates for the automotive industry.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Sample Program of Study: AS Degree (Two Years)

| Course | Title | Units |
| --- | --- | --- |
| **First Year** | | |
| **Fall Semester** | | |
| AUTO 101 | Introduction to Auto Mechanics | 3 |
| AUTO 111 | Engine Rebuilding | 7 |
| MATH 095 | Elementary Algebra (or higher) [1] | 5 |
| ENG 110 or ENG 110H | Composition and Reading [1] or Composition and Reading, Honors | 4 |
| | **Units** | **19** |
| **Spring Semester** | | |
| AUTO 110 | Fundamentals of Automotive Servicing | 4 |
| AUTO 114 or AUTO 115 | Automotive Power Train [2] or Automotive Electricity | 7 |
| Lab Science [1] | | 4 |
| Oral Communication [1] | | 3 |
| Physical Education [1] | | 1 |
| | **Units** | **19** |
| **Second Year** | | |
| **Fall Semester** | | |
| AUTO 113 or AUTO 112 | Automotive Fuel and Air Conditioning Systems [3] or Brakes, Suspension and Steering | 4.6 |
| AUTO 116 | Engine Performance | 7 |
| History or Political Science [1] | | 3 |
| Physical Education [1] | | 1 |
| | **Units** | **15.60** |
| **Spring Semester** | | |
| AUTO 113 or AUTO 112 | Automotive Fuel and Air Conditioning Systems [3] or Brakes, Suspension and Steering | 4.6 |
| AUTO 114 or AUTO 115 | Automotive Power Train [2] or Automotive Electricity | 7 |
| Humanities/Multicultural [1] | | 3 |

| Select one course from the following: | | 2-4 |
|---|---|---|
| AUTO 217 | Automotive Specialty I [4] | |
| AUTO 218 | Automotive Specialty II [4] | |
| AUTO 290 | Work Experience In Automotive Service And Technology [4] | |
| | Units | 16.60-18.60 |
| | Total Units | 70.20-72.20 |

[1] General Ed. Requirements: See this Catalog for complete course listings.

[2] AUTO 114 Automotive Power Train (Fall Semester), AUTO 115 Automotive Electricity (Spring Semester)

[3] AUTO 113 Automotive Fuel and Air Conditioning Systems (Fall Semester), AUTO 112 Brakes, Suspension and Steering (Spring Semester)

[4] Recommended but not required for either Certificate of Achievement or AS Degree.

# Automotive Service and Technology, Certificate of Achievement (C)

## Overview

Our ten-month certificate program is similar to those offered at private trade schools.  Students who desire to finish their schooling in that period of time will enroll in automotive courses only.  A student program schedule will be from 8 to 12 a.m. daily and from 12:30 to 4:10 p.m. on Tuesdays and Thursdays.  Students who have never had a high school level introductory Automotive class will need to enroll additionally in two introductory Automotive sections.

The program is certified by the National Institute for Automotive Service Excellence in all eight certification areas.  Graduates will have learned sufficient basic material to be able to enter and progress in the field of Automotive repair.  Part-time jobs are encouraged and many students will choose to enhance their school learning by working in an Automotive repair shop after school hours.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| AUTO 101 | Introduction to Auto Mechanics | 3 |
| AUTO 110 | Fundamentals of Automotive Servicing | 4 |
| AUTO 111 | Engine Rebuilding | 7 |
| AUTO 112 | Brakes, Suspension and Steering | 4.6 |
| AUTO 113 | Automotive Fuel and Air Conditioning Systems | 4.6 |
| AUTO 114 | Automotive Power Train | 7 |
| AUTO 115 | Automotive Electricity | 7 |

| | | |
|---|---|---|
| AUTO 116 | Engine Performance | 7 |
| **Total Units** | | **44.20** |

**Recommended Electives**

| Code | Title | Units |
|---|---|---|
| AUTO 102 | Basic Car Care, Maintenance and Repair | 3 |
| AUTO 217 | Automotive Specialty I | 2 |
| AUTO 218 | Automotive Specialty II | 3 |
| AUTO 290 | Work Experience In Automotive Service And Technology | 1-4 |

## Learning Outcomes

1. Students will develop skills to advance their knowledge as automotive technicians.
2. Students will conduct themselves on the job as professionals, including practicing safety precautions to prevent accidents.
3. Students will become lifelong learners and advocates for the automotive industry.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Sample Program of Study: Certificate (One Year)

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| AUTO 101 | Introduction to Auto Mechanics | 3 |
| AUTO 110 | Fundamentals of Automotive Servicing | 4 |
| AUTO 111 | Engine Rebuilding | 7 |
| AUTO 113 or AUTO 112 | Automotive Fuel and Air Conditioning Systems     or Brakes, Suspension and Steering | 4.6 |
| | Units | 18.60 |
| **Spring Semester** | | |
| AUTO 114 or AUTO 115 | Automotive Power Train [1]     or Automotive Electricity | 7 |
| AUTO 116 | Engine Performance | 7 |
| The following course is recommended (not required): | | |
| AUTO 290 | Work Experience In Automotive Service And Technology | 2-4 |
| | Units | 16-18 |
| **Second Year** | | |
| **Fall Semester** | | |
| AUTO 113 or AUTO 112 | Automotive Fuel and Air Conditioning Systems     or Brakes, Suspension and Steering | 4.6 |
| AUTO 114 or AUTO 115 | Automotive Power Train [1]     or Automotive Electricity | 7 |

The following courses are recommended (not required):

| AUTO 217 or AUTO 218 | Automotive Specialty I or Automotive Specialty II | 2-3 |
|---|---|---|
| AUTO 290 | Work Experience In Automotive Service And Technology | 2-4 |
| | **Units** | **15.60-18.60** |
| | **Total Units** | **50.20-55.20** |

[1] AUTO 114 Automotive Power Train (Fall Semester), AUTO 115 Automotive Electricity (Spring Semester)

# Biological Sciences

The Biological Sciences Department offers a diverse set of courses and degrees that prepare students for advancement in the areas of cellular and molecular biology, ecology and evolution, health science, environmental studies, natural history, and marine science. Additionally, numerous courses designed for non-majors provide opportunities to fulfill Natural Science lecture and lab requirements while developing a foundational understanding of the complexity and diversity of organisms, as well as how humans and other species function as individuals and as components of ecosystems.

The department's five associate degrees are designed to provide the knowledge, skills, and experience needed for successful transfer to a four-year institution or professional program. The Biological Sciences Associate in Arts (AA) and Associate in Science for Transfer (AS-T) degrees provide preparation for job opportunities and transfer in areas such as Biochemistry, Cellular and Molecular Biology, Ecology, Evolutionary Biology, Marine Biology, Pharmacology, and Pre-Medicine. The Natural History AA Degree provides preparation for transfer in areas such as Natural History and Fisheries & Wildlife Management, and can be completed fully online. The Liberal Arts AA: Bio-Medical Sciences Emphasis and the Nutrition and Dietetics AS-T degrees offer a strong foundation for students interested in pursuing a career in the health sciences.

Students can also pursue Departmental Awards in the areas of Biomedical Sciences, Marine Sciences, and Natural History.

## Programs of Study

### Associate Degrees for Transfer

- Biological Sciences, Associate in Science for Transfer (AS-T) (p. 196)
- Nutrition and Dietetics, Associate in Science for Transfer (AS-T) (p. 202)

### Associate Degrees

- Biological Sciences, Associate of Arts (AA) (p. 195)
- Liberal Arts, Associate of Arts (AA): Bio-Medical Sciences Emphasis (p. 198)
- Natural History, Associate of Science (AS) (p. 200)

### Department Awards

- Bio-Medical Sciences, Departmental Award (D) (p. 194)
- Marine Science, Departmental Award (D) (p. 200)
- Natural History, Departmental Award (D) (p. 201)

# Bio-Medical Sciences, Department Award (D)

## Overview

The Bio-Medical Sciences Department Award recognizes achievement by students interested in careers in the allied health fields, physical/ health education, recreation and sports technology. Core courses consist of Human Anatomy, Human Physiology and Medical Microbiology.

  In addition to the core curriculum, students may select 18 units of electives from an approved listing of courses in biology, anthropology, art, chemistry, physical/health education, recreation and human biology.

  The courses are selected in consultation with the Faculty Adviser for Bio-Medical Sciences. The Faculty Adviser will then submit this program of study to the Biological Sciences Department for review and approval.

  To qualify for the Bio-Medical sciences Department Award, students must complete each of the courses in the approved program of study with a grade of "C" or better, It is important that the student pursuing a Bio-Medical Sciences Department Award consult with the Faculty Adviser early for program approval.

## Requirements

Complete all department requirements with a "C" or better in each course.

| Code | Title | Units |
|---|---|---|
| **Core Courses** | | |
| BMS 107 | Human Anatomy | 4 |
| BMS 108 | Human Physiology | 4 |
| BMS 127 | Medical Microbiology | 4 |
| **Electives** | | |
| Complete 18 units of Bio-Medical Sciences electives from an approved listing of courses in biology, anthropology, art, chemistry, physical/health education, recreation and human biology. Consult with the department to select appropriate courses to meet the elective requirement. | | 18 |
| **Total Units** | | **30.00** |

The Bio-Medical Sciences Department Award recognizes achievement by students interested in careers in the allied health fields, physical/health education, recreation and sports technology.

## Learning Outcomes

1. Integrate perspectives, from molecular to organismal, in the development of a comprehensive view of human structure and function.
2. Understand the molecular, cellular, and organismic bases of health and homeostatic imbalances.
3. Employ understanding of modern biomedical science to design, implement, and communicate the results of research endeavors.
4. Apply understanding of the scientific method in evaluation of the validity of design and conclusions drawn from biomedical research.
5. Employ modern methods of information technology to obtain and communicate data, text, and images.
6. Incorporate appropriate biomedical approaches to enhance the health and well being for human individuals and groups.

# Biological Sciences, Associate of Arts (AA)

## Overview

To be a biologist in the 21st Century will be an exciting and meaningful profession.  Advances in biological knowledge are providing solutions to the most challenging problems in medicine, environmental resources, agriculture and human ecology.  The Biological Sciences Department offers courses in biology, botany, anatomy, physiology, microbiology, natural history, marine biology, physical anthropology and courses for pre-professional areas such as medicine, physical therapy, dentistry, chiropractic and veterinary science.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| BIOL 101 | Plant Biology | 4 |
| BIOL 102 | Animal Biology | 5 |
| BIOL 103 | Cell and Molecular Biology | 5 |
| CHEM 155 | General Chemistry I | 5 |
| CHEM 156 | General Chemistry II | 5 |
| **Total Units** | | **24.00** |

**Recommended for Transfer**
These additional courses should be considered when planning a program of study for transfer as a biology major.

| Code | Title | Units |
| --- | --- | --- |
| CHEM 211 & CHEM 221 | Organic Chemistry I and Organic Chemistry Laboratory I | 5.3 |
| CHEM 212 & CHEM 222 | Organic Chemistry II and Organic Chemistry Laboratory II | 5.5 |
| MATH 117 | Elementary Statistics | 4 |
| Complete one sequence from the following: | | |
| MATH 130 & MATH 131 | Calculus for Biological Sciences, Social Sciences and Business I and Calculus For Biological Sciences, Social Sciences And Business II | |
| MATH 150 & MATH 160 | Calculus with Analytic Geometry I and Calculus with Analytic Geometry II | |
| Complete one sequence from the following: | | |
| PHYS 105 & PHYS 106 | General Physics and General Physics | |
| PHYS 110 & PHYS 111 | Introductory Physics and Introductory Physics | |
| PHYS 121 & PHYS 122 & PHYS 123 | Mechanics Of Solids And Fluids and Electricity and Magnetism and Heat, Light and Modern Physics | |

## Learning Outcomes

1. Articulate the principles of evolutionary theory, the history of the development of the theory and the role that evolution plays in the continuity and diversity of life.
2. Communicate the unifying principles governing the organization of organisms from molecules to populations.
3. Explain and apply fundamental ecological principles from populations and communities through ecosystems and the geographical distribution of life on Earth.
4. Summarize and illustrate an understanding of the development of the organism from fertilization to the adult form.
5. Compare and contrast organismal diversity and life histories including nomenclature, taxonomy and systematics.
6. Characterize fundamental metabolic pathways, describe bioenergetics and relate the interdependence of these pathways
7. Demonstrate understanding of the structure and function of tissues, organs and organ systems, describing interrelationships and the mechanisms of integration of the subunits to support the whole, functioning organism and the underlying causes of dysfunction.
8. Describe and connect the role of DNA in regulating cell activity to its importance as the basis of inheritance, evolution and biotechnology.
9. Demonstrate proficiency in the basic methods, instrumentation and quantitative analytical skills used to conduct biological research, including fundamental methods of microscopy, animal and plant dissection, molecular and cellular biology.
10. Demonstrate proficiency in the basic methods, instrumentation and quantitative analytical skills used to conduct biological research, including fundamental methods of microscopy, animal and plant dissection, molecular and cellular biology.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

The following sample program will satisfy department and college requirements for graduation with an AA Degree and includes additional recommended courses to meet department requirements of most four-year colleges and universities.

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| BIOL 101 | Plant Biology | 4 |
| CHEM 155 | General Chemistry I | 5 |
| MATH 130 or MATH 150 | Calculus for Biological Sciences, Social Sciences and Business I [1] or Calculus with Analytic Geometry I | 5 |
| ENG 110 or ENG 110H | Composition and Reading or Composition and Reading, Honors | 4 |
| Physical Education | | |
| | **Units** | **18** |
| **Spring Semester** | | |
| BIOL 102 | Animal Biology | 5 |
| CHEM 156 | General Chemistry II | 5 |
| MATH 131 or MATH 160 | Calculus For Biological Sciences, Social Sciences And Business II [1] or Calculus with Analytic Geometry II | 3 |
| ENG 111 or ENG 111H | Critical Thinking and Composition Through Literature or Critical Thinking and Composition Through Literature, Honors | 3 |
| | **Units** | **16** |
| **Second Year** | | |
| **Fall Semester** | | |
| BIOL 103 | Cell and Molecular Biology | 5 |
| CHEM 211 & CHEM 221 | Organic Chemistry I and Organic Chemistry Laboratory I [1] | 5.3 |
| PHYS 110 | Introductory Physics [1] | 4 |
| GEOG 102 | Human Geography | 3 |
| Physical Education | | |
| | **Units** | **17.30** |
| **Spring Semester** | | |
| CHEM 212 & CHEM 222 | Organic Chemistry II and Organic Chemistry Laboratory II [1] | 5.5 |
| PHYS 111 | Introductory Physics [1] | 4 |
| POLS 101 | American Government And Politics | 3 |
| | **Units** | **12.50** |
| | **Total Units** | **63.80** |

[1] Recommended for students planning to transfer.

# Biology, Associate in Science for Transfer (AS-T)

Biology is the scientific study of life through the observation of structure, function, reproduction, growth, origin, evolution, and behavior of living organisms and their relation to each other and their environment. Advances in biological knowledge are providing solutions to the most challenging problems in medicine, environmental resources, agriculture and human ecology. Employment opportunities continue to increase as knowledge grows in genetic engineering, embryonic development, learning and memory, aging, environmental studies, natural resource management and the regulation of populations.

The Associate in Science for Transfer degree in Biology provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

# Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU for STEM.  The IGETC-CSU for STEM option permits students completing the AS-T in Biology to follow the IGETC-CSU (p. 141) curriculum, but delay one Arts or Humanities course and one Social or Behavioral Science course until after transfer.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BIOL 101 | Plant Biology | 4 |
| BIOL 102 | Animal Biology | 5 |
| BIOL 103 | Cell and Molecular Biology | 5 |
| CHEM 155 | General Chemistry I | 5 |
| CHEM 156 | General Chemistry II | 5 |
| MATH 150 or MATH 130 | Calculus with Analytic Geometry I or Calculus for Biological Sciences, Social Sciences and Business I | 5 |
| PHYS 105 or PHYS 110 | General Physics Introductory Physics | 4 |
| PHYS 106 or PHYS 111 | General Physics Introductory Physics | 4 |
| **Total Units** | | **37.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

# Learning Outcomes

1. Articulate the principles of evolutionary theory, the history of its development, and the role that evolution plays in the continuity and diversity of life.
2. Summarize and illustrate an understanding of the development of the organism, from fertilization to the adult form.

3. Explain and apply fundamental ecological principles, from populations to communities through ecosystems, and the geographical distribution of life on Earth.

4. Communicate the unifying principles governing the organization of organisms, from molecules to populations.

5. Compare and contrast organismal diversity and life histories, including nomenclature, taxonomy and systematics.

6. Characterize fundamental metabolic pathways, describe bioenergetics, and relate the interdependence of these pathways.

7. Demonstrate understanding of the structure and function of tissues, organs and organ systems, describing interrelationships and mechanisms of their integration to support the whole, functioning organism and the underlying causes of dysfunction.

8. Describe and connect the role of DNA in regulating cell activity to its importance as the basis of inheritance, evolution and biotechnology.

9. Demonstrate proficiency in the basic methods, instrumentation and quantitative analytical skills used to conduct biological research, including fundamental methods of microscopy, animal and plant dissection, and molecular and cellular biology.

10. Produce original research reports and review papers in a standard scientific format based on laboratory, field experiments and literature searches that include critical quantitative and qualitative evaluation of data to effectively communicate results, interpretations and concepts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Biology, Associate in Science for Transfer (AS-T)

Biology is the scientific study of life through the observation of structure, function, reproduction, growth, origin, evolution, and behavior of living organisms and their relation to each other and their environment. Advances in biological knowledge are providing solutions to the most challenging problems in medicine, environmental resources, agriculture and human ecology. Employment opportunities continue to increase as knowledge grows in genetic engineering, embryonic development, learning and memory, aging, environmental studies, natural resource management and the regulation of populations.

The Associate in Science in Biology for Transfer degree (AS-T in Biology) provides the foundational knowledge in Biology to students who want to earn a Baccalaureate Degree in Biology. This degree is in compliance with the Student Transfer Achievement Reform Act {Senate Bill 1440, codified in California Education Code sections 66746-66749} and guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer," a variation of the associate degrees traditionally offered at a California community college. Upon completion of the transfer associate degree, the student is eligible for transfer with junior standing into the California State University (CSU) system. Students will be given priority consideration when applying to a particular program that is similar to the student's community college area of emphasis. Visit https://adegreewithaguarantee.com/ for the latest information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.

2. IGETC-CSU for STEM.  The IGETC-CSU for STEM option permits students completing the AS-T in Biology to follow the IGETC-CSU (https://drive.google.com/file/d/1aKzb7xffuzt3yGKpI3PD2dOpz_Sa27H2/view/?usp=sharing) curriculum, but delay one Arts or Humanities course and one Social or Behavioral Science course until after transfer.

3. A total of 60 CSU transferable semester units.

4. Maintain a minimum cumulative CSU transferable GPA of 2.0.

5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BIOL 101 | Plant Biology | 4 |
| BIOL 102 | Animal Biology | 5 |
| BIOL 103 | Cell and Molecular Biology | 5 |
| CHEM 155 | General Chemistry I | 5 |
| CHEM 156 | General Chemistry II | 5 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| or MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | |
| PHYS 105 | General Physics | 4 |
| or PHYS 110 | Introductory Physics | |
| PHYS 106 | General Physics | 4 |
| or PHYS 111 | Introductory Physics | |
| **Total Units** | | **37.00** |

## Learning Outcomes

1. Articulate the principles of evolutionary theory, the history of its development, and the role that evolution plays in the continuity and diversity of life.

2. Summarize and illustrate an understanding of the development of the organism, from fertilization to the adult form.

3. Explain and apply fundamental ecological principles, from populations to communities through ecosystems, and the geographical distribution of life on Earth.

4. Communicate the unifying principles governing the organization of organisms, from molecules to populations.

5. Compare and contrast organismal diversity and life histories, including nomenclature, taxonomy and systematics.

6. Characterize fundamental metabolic pathways, describe bioenergetics, and relate the interdependence of these pathways.

7. Demonstrate understanding of the structure and function of tissues, organs and organ systems, describing interrelationships and mechanisms of their integration to support the whole, functioning organism and the underlying causes of dysfunction.

8. Describe and connect the role of DNA in regulating cell activity to its importance as the basis of inheritance, evolution and biotechnology.

9. Demonstrate proficiency in the basic methods, instrumentation and quantitative analytical skills used to conduct biological research, including fundamental methods of microscopy, animal and plant dissection, and molecular and cellular biology.
10. Produce original research reports and review papers in a standard scientific format based on laboratory, field experiments and literature searches that include critical quantitative and qualitative evaluation of data to effectively communicate results, interpretations and concepts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Liberal Arts, Associate of Arts (AA): Bio-Medical Sciences Emphasis

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BMS 107 | Human Anatomy | 4 |
| BMS 108 | Human Physiology | 4 |
| BMS 127 | Medical Microbiology | 4 |
| or BMS 157 | General Microbiology | |
| CHEM 101 | Introductory Chemistry | 4-5 |
| or CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | |
| or CHEM 155 | General Chemistry I | |
| Complete 13 units from the Bio-Medical Sciences Electives list [1] | | 13 |
| **Total Units** | | **29.00-30.00** |

[1] Bio-Medical Sciences electives should be carefully selected from the list below in consultation with the Bio-Medical Sciences Faculty Adviser or the Sciences Counselor to avoid problems with transfer. Students intending to transfer with an AA Degree in Liberal Arts: Emphasis in Bio-Medical Sciences should include introductory courses in general and organic chemistry, physics and statistics.

| Code | Title | Units |
|---|---|---|
| **Bio-Medical Sciences Electives:** | | |
| AH 120 | Medical Terminology | 1 |
| ANTH 101 | Physical Anthropology | 3-4 |
| or ANTH 101H | Physical Anthropology, Honors | |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 104 | Language and Culture | 3 |
| ART 122 | Advanced Drawing | 3 |
| ART 123 | Figure and Portrait Drawing | 3 |
| BIOL 100 | Concepts Of Biology | 4 |
| BIOL 101 | Plant Biology | 4 |
| BIOL 102 | Animal Biology | 5 |
| BIOL 103 | Cell and Molecular Biology | 5 |
| BIOL 110 | Natural Science | 3 |
| BIOL 112 | Evolution and Adaptation | 3 |
| BIOL 116 | Biological Illustration | 4 |
| BIOL 120 | Natural History | 4 |
| BIOL 140 | Principles of Biology | 3 |
| BIOL 141 | Biology Laboratory | 2 |
| BIOL 291 | Seminars in Biology | 2 |
| BMS 118 | Human Microanatomy | 3 |
| BMS 119C | Human Dissection: Torso | 1 |
| BMS 128 | Human Nutrition | 3 |
| BMS 128L | Human Nutrition Laboratory | 1 |
| BMS 136 | Biology Of Human Sexuality | 3 |
| BMS 146 | Human Form and Function | 3 |
| BOT 100 | Concepts of Botany | 4 |
| BOT 121 | Plant Diversity | 4 |
| BOT 123 | Field Botany | 3 |
| CHEM 156 | General Chemistry II | 5 |
| CHEM 211 | Organic Chemistry I | 3 |
| CHEM 212 | Organic Chemistry II | 3 |
| CHEM 221 | Organic Chemistry Laboratory I | 2.3 |
| CHEM 222 | Organic Chemistry Laboratory II | 2.5 |
| CIM 100 | Cancer Registry Management I | 3 |
| CIM 125 | Cancer Disease Management | 4 |
| CIM 225 | Cancer Registry Management II | 2 |
| CIM 250 | Cancer Statistics And Epidemiology | 3 |
| COMM 101 | Introduction to Communication | 3 |
| COMM 121 | Interpersonal Communication | 3 |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| COMM 141 | Small Group Communication | 3 |

| | | |
|---|---|---|
| COMM 151 | Intercultural Communication | 3 |
| EMT 110 | Emergency Medical Technician-Basic | 6 |
| HE 101 | Personal Health Awareness | 3 |
| HE 102 | Personal Health for Women | 3 |
| HE 103 | Responding to Medical Emergencies | 3 |
| HE 104 | Introduction to Athletic Injuries | 3 |
| HE 108 | Advanced Assessment And Treatment Of Athletic Injuries | 3 |
| HIT 101 | Introduction to Health Information Management | 3 |
| HIT 135 | Basic Medical Terminology | 3 |
| HIT 201 | Pharmacology For Allied Health | 2 |
| HIT 204 | Basic Pathophysiology | 3 |
| HIT 220 | HIM Statistics | 2 |
| HIT 265 | HIM Computer Applications | 3 |
| MATH 107 | Intermediate Algebra | 5 |
| MATH 117 | Elementary Statistics | 4 |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | 5 |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | 3 |
| MATH 137 | College Algebra | 5 |
| MATH 138 | Precalculus - College Algebra and Trigonometry | 4 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| PE 200 | Introduction to Kinesiology | 3 |
| PHIL 204 | History And Philosophy Of The Great Ideas Of Physics | 3 |
| PHSC 103 | The Physical Universe | 4 |
| PHYS 101 | Conceptual Physics | 3 |
| PHYS 101L | Conceptual Physics Laboratory | 1 |
| PHYS 102 | Introductory Physics For Science Majors | 4 |
| PHYS 105 | General Physics | 4 |
| PHYS 106 | General Physics | 4 |
| PHYS 110 | Introductory Physics | 4 |
| PHYS 111 | Introductory Physics | 4 |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| PSY 105 | Applied Behavior Analysis | 2 |
| PSY 110 | Introduction to Physiological Psychology | 3 |
| PSY 115 | Psychology Of Health And Effective Behavior | 3 |
| PSY 120 | Introduction To Psychology | 3 |
| PSY 125 | Psychology Of Human Sexuality | 4 |
| PSY 130 | Personality Dynamics And Effective Behavior | 3 |
| PSY 140 | Child Development | 3 |
| PSY 145 | Human Development | 3 |
| PSY 170 | Abnormal Psychology | 3 |

| | | |
|---|---|---|
| PSY 175 | Social Psychology: Psychological Perspective | 3 |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 103 | Marriage, Family and Intimacy | 3 |
| SOC 104 | Social Psychology | 3 |
| SOC 106 | Sociology of Deviance | 3 |
| SOC 109 | Social Problems | 3 |
| SOC 113 | Sociology Of Sex and Gender | 3 |
| ZOOL 110 | Animal Physiology | 3 |
| ZOOL 122 | Animal Diversity | 3 |
| ZOOL 123 | Animal Diversity Laboratory | 1 |
| ZOOL 140 | Animal Behavior | 3 |

## Learning Outcomes

1. Articulate the principles of evolutionary theory, the history of its development, and the role that evolution plays in the continuity and diversity of life.
2. Communicate the unifying principles governing the organization of organisms from molecules to populations.
3. Explain and apply fundamental ecological principles, from populations to communities through ecosystems, and the geographical distribution of life on Earth.
4. Summarize and illustrate an understanding of the development of the organism from fertilization to the adult form.
5. Compare and contrast organismal diversity and life histories including nomenclature, taxonomy, and systematics.
6. Characterize fundamental metabolic pathways, describe bioenergetics, and relate the interdependence of these pathways.
7. Demonstrate understanding of the structure and function of tissues, organs, and organ systems, describing interrelationships and mechanisms of their integration to support the whole, functioning organism and the underlying causes of dysfunction.
8. Describe and connect the role of DNA in regulating cell activity to its importance as the basis of inheritance, evolution, and biotechnology.
9. Demonstrate proficiency in the basic methods, instrumentation, and quantitative analytical skills used to conduct biological research, including fundamental methods of microscopy, animal and plant dissection, and molecular and cellular biology.
10. Produce original research reports and review papers in a standard scientific format based on laboratory, field experiments, and literature searches that include critical quantitative and qualitative evaluation of data to effectively communicate results, interpretations, and concepts.
11. Evaluate how human populations impact and are impacted by abundance and diversity of other species and the structure and function of ecosystems.
12. Describe the physical environment defining the limits to life on Earth and correlate the physical properties of life that allow it to thrive within these limitations.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Marine Science, Department Award (D)

## Overview

The Marine Science Department Award comprises 21 units and signifies that students have a broad background in the physical and biological processes of the world's oceans and the tools and techniques with which they are studied.The curriculum includes courses from Biology, Marine Technology and Earth & Planetary Sciences and is especially suited to students interested in the fields of mariculture, boating and recreation, skin and SCUBA diving, fishing, scientific research and marine science education. It is important that the student pursuing the Marine Science Award consult with the Faculty Adviser early to formulate a program of study and to ensure space in classes.

## Requirements

Complete all department requirements with a "C" or better (or substitution options) in each course.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| BIOL 124 | Biological Oceanography [1] | 4 |
| BIOL 125 | Marine Biology [1] | 4 |
| ERTH 151 | Introductory Physical Oceanography | 3 |
| ERTH 151L | Introductory Physical Oceanography Laboratory | 1 |
| ERTH/GEOG 152 | Weather and Climate | 3 |
| HE 103 | Responding to Medical Emergencies [1] | 3 |
| MDT 101 | Information and Introduction to Marine Diving Technology | 0.3 |
| MDT 108 | Rigging | 1 |
| MDT 109 | Seamanship and Small Boat Handling | 1.5 |
| Plus completion of a Basic SCUBA Diving Certification. | | |
| **Total Units** | | **20.80** |

[1] *Substitutions:* The completion of BIOL 142 Marine Science can be substituted for BIOL 124 Biological Oceanography.The combination of BIOL 101 Plant Biology and BIOL 102 Animal Biology can be substituted for BIOL 125 Marine Biology. The completion of EMT 110 Emergency Medical Technician-Basic can be substituted for HE 103 Responding to Medical Emergencies.

The Marine Science Departmental Award signifies that students have a broad background in the physical and biological processes of the world's oceans and the tools and techniques with which they are studied. The curriculum includes courses from Biology, Marine Technology and Earth and Planetary Sciences, and is especially suited to students interested in the fields of mariculture, boating and recreation, skin and Scuba diving, fishing, scientific research and marine science.

Students interested in a Marine Biology major should take the Biological Sciences majors sequence. Students are encouraged to supplement this sequence with courses in Marine Science.

Students planning on completing the Marine Science curriculum in two semesters can begin in either Fall or Spring.

## Learning Outcomes

1. Describe how and why the ocean varies globally and by depth in salinity, temperature, dissolved gases, and nutrient levels and how these affect marine life.
2. State the difference between weather & climate. State the causes of wind and ocean storms (hurricanes, typhoons, etc) and how these impact surface waters of the ocean.
3. Summarize characteristics of key marine ecosystems, including descriptions of organisms found within, their adaptations to environmental conditions, and their relationships with their environment.
4. List and describe the use of appropriate tools and technologies that are used to study physical and biological aspects of marine ecosytems.

# Natural History, Associate of Science (AS)

## Overview

In order to achieve an Associate in Arts Degree, a student must complete a minimum of sixty (60) units of work, which must fulfill General Education, SBCC and department requirements. For complete information on General Education and SBCC requirements, see "General Education" and "Graduation and Transfer Requirements" in the Catalog Index.

The Natural History major is designed to provide a broad survey of the diversity of Earth's life forms and their evolutionary and environmental relationships. By carefully choosing electives, a student may emphasize specialized areas for transfer, including aquatic biology, zoology, botany, ecology and environmental biology.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| BIOL 112 | Evolution and Adaptation | 3 |
| BIOL 120 | Natural History | 4 |
| BIOL 122 | Ecology | 3 |
| BIOL 123 | Ecology Laboratory | 1 |
| BIOL 140 | Principles of Biology | 3 |
| BOT 121 | Plant Diversity [1] | 4 |
| ZOOL 122 | Animal Diversity [2,3] | 3 |
| Complete 6 units selected from the following: [4] | | 6 |
| BIOL 110 | Natural Science | |
| BIOL 126 | Aquatic Ecosystems | |
| BIOL 141 | Biology Laboratory | |
| BIOL 144 | Biogeography | |
| BIOL 150 | Biodiversity | |
| BIOL 172 | Symbiosis | |
| CHEM 110 | Survey of Chemistry | |
| ZOOL 110 | Animal Physiology | |
| ZOOL 124 | Insect Biology | |
| ZOOL 137 | Ornithology | |
| ZOOL 140 | Animal Behavior | |
| **Total Units** | | **27.00** |

[1] BIOL 101 (https://catalog.sbcc.edu/search/?P=BIOL%20101) Plant Biology may substitute for BOT 121 (https://catalog.sbcc.edu/search/?P=BOT%20121) Plant Diversity

[2] ZOOL 123 (https://catalog.sbcc.edu/search/?P=ZOOL%20123) Animal Diversity Laboratory is recommended

[3] BIOL 102 (https://catalog.sbcc.edu/search/?P=BIOL%20102) Animal Biology may substitute for ZOOL 122 (https://catalog.sbcc.edu/search/?P=ZOOL%20122) Animal Diversity + ZOOL 123 (https://catalog.sbcc.edu/search/?P=ZOOL%20123) Animal Diversity Laboratory

[4] Other courses may be accepted to meet the 6 units of electives, including courses from disciplines outside of the sciences. Students are advised to select these units in consultation with the Natural History Faculty Advisor to ensure their course selection meets their individual educational and career goals and interests.

## Learning Outcomes

1. Articulate the principles of evolutionary theory, the history of its development, and the role that evolution plays in the continuity and diversity of life.

2. Compare, contrast and illustrate the life histories of a wide variety of life forms representing the diversity of life.

3. Examine the techniques for organizing biodiversity through nomenclature, taxonomy, systematics and biological and ecological hierarchies.

4. Evaluate the various fundamental ecological principles, from populations to communities and ecosystems, that determine the geographical distribution of life on Earth.

5. Describe fundamental metabolic pathways, explain bioenergetics, and relate the interdependence of these pathways within an organism and between an organism and its environment.

6. Collect data to test hypotheses using basic methods, instrumentation and quantitative analytical skills used to conduct biological research and analyze, graphically present, and interpret these data.

7. Produce original research reports and review papers in a standard scientific format based on laboratory, field experiments and literature searches that include critical quantitative and qualitative evaluation of data to effectively communicate results, interpretations and concepts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Natural History, Department Award (D)

## Overview

The Natural History Departmental Award recognizes achievement by students interested in careers in natural history interpretation, freshwater and marine fisheries, forestry, environmental monitoring and wildlife management.  The curriculum for the Natural History Departmental Award is individually designed with the student's career goals, interests and talents in mind.  The courses are selected in consultation with Faculty Adviser for Natural History.  The Faculty Adviser will then submit this program of study to the Biological Sciences Department for review and approval.

## Requirements

Complete all department requirements with a "C" or better in each course.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| BIOL 110 | Natural Science | 3-4 |
| or BIOL 120 | Natural History | |
| or BIOL 140 | Principles of Biology | |
| BIOL 112 | Evolution and Adaptation | 3 |
| or BIOL 150 | Biodiversity | |
| BIOL 122 | Ecology | 3 |
| BIOL 123 | Ecology Laboratory | 1 |
| BIOL 144 | Biogeography | 3 |
| or ERTH 141/ GEOG 101 | Physical Geography | |
| BOT 121 | Plant Diversity [1] | 4 |
| ZOOL 122 | Animal Diversity [2] | 3 |
| Natural History Electives [3] | | 9 |
| **Total Units** | | **29.00-30.00** |

[1] BIOL 101 Plant Biology may substitute for BOT 121 Plant Diversity

[2] ZOOL 123 Animal Diversity Laboratory is recommended.

[3] Students may choose courses from the areas of Anthropology, Biology, Bio-Medical Sciences, Botany, Chemistry, Geological Sciences, Mathematics, Physics and Zoology.  The 9 units of Natural History Electives must be selected in consultation with the Natural History

Faculty Advisor and approved by the Biological Sciences Department, are required to complete the major field requirements.

## Learning Outcomes

1. Compare, contrast and illustrate the life histories of a wide variety of life forms representing the diversity of life.
2. Examine the techniques for organizing biodiversity through nomenclature, taxonomy, systematics and biological and ecological hierarchies.
3. Evaluate the various fundamental ecological principles, from populations to communities and ecosystems, that determine the geographical distribution of life on Earth.
4. Describe fundamental metabolic pathways, explain bioenergetics, and relate the interdependence of these pathways within an organism and between an organism and its environment.
5. Collect data to test hypotheses using basic methods, instrumentation and quantitative analytical skills used to conduct biological research and analyze, graphically present, and interpret these data
6. Produce original research reports and review papers in a standard scientific format based on laboratory, field experiments and literature searches that include critical quantitative and qualitative evaluation of data to effectively communicate results, interpretations and concepts.

## Nutrition and Dietetics, Associate in Science for Transfer (AS-T)

The Associate in Science for Transfer degree in Nutrition and Dietetics (AS-T in Nutrition and Dietetics) offers students basic knowledge in microbiology, human anatomy and physiology, chemistry and nutrition. Students learn about chemicals and nutrients in food and their effects on the human body and the world. The study of Nutrition provides a broad foundation in a practical and personally applicable exposure to a variety of scientific areas of nutrition such as chemistry, biochemistry, microbiology, anatomy, physiology, and biology. Popular topics include microbial pathogens, environmental contaminants, nutrigenomics, macronutrient balance, energy metabolism, obesity, global issues, biochemistry of exercise, and micronutrient and phytochemical utilization. Students in the program learn how the scientific method and process contributes to nutritional requirements and how nutrients function from a cellular to more practical level, and then apply this knowledge to their own health. The program also helps students understand the role of nutrition in disease prevention throughout the lifecycle and as an impact on society as a whole.

Students with degrees in nutrition and dietetics find employment within a wide range of organizations, such as medical facilities, research labs, government agencies, universities, pharmaceutical companies, and the food industry. This degree is also an excellent preparation for students planning to continue training in medicine, public health and/or other allied health sciences.

The Associate in Science for Transfer degree in Nutrition and Dietetics provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Required Core | | |
| BMS 128 | Human Nutrition | 3 |
| BMS 157 | General Microbiology | 4 |
| or BMS 127 | Medical Microbiology | |
| CHEM 155 | General Chemistry I | 5 |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| List A - Complete two courses from the following: | | 8-10.3 |
| BMS 107 | Human Anatomy | |
| or BMS 108 | Human Physiology | |
| CHEM 156 | General Chemistry II | |
| CHEM 211 & CHEM 221 | Organic Chemistry I and Organic Chemistry Laboratory I | |
| MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| or SOC 125 | Introduction to Statistics in Sociology | |
| List B - Complete one course from the following: | | 3-5 |
| ACCT 230 | Financial Accounting | |
| ANTH 103 | Introduction To Cultural Anthropology | |
| BIOL 100 | Concepts Of Biology | |
| BIOL 101 | Plant Biology | |
| BIOL 102 | Animal Biology | |
| BIOL 103 | Cell and Molecular Biology | |
| BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory | |
| BLAW 101 | Business Law | |
| BLAW 110 | Legal Environment of Business | |
| CA 204 | Advanced Restaurant and Culinary | |
| CHEM 101 | Introductory Chemistry | |
| CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | |
| CIS 101 | Introduction to Computers and Information Systems | |

| | |
|---|---|
| COMM 121 | Interpersonal Communication |
| or COMM 121H | Interpersonal Communication, Honors |
| COMM 131 | Fundamentals Of Public Speaking |
| or COMM 131H | Fundamentals Of Public Speaking, Honors |
| COMM 151 | Intercultural Communication |
| COMM 171 | Mass Media and Society |
| COMM 235 | Argumentation and Debate |
| COMP 101 | Introduction to Computer Applications |
| ECE 120 | Child Growth and Development/ Educators |
| ECON 101 | Microeconomics |
| ECON 102 | Macroeconomics |
| ENG 110 | Composition and Reading |
| or ENG 110H | Composition and Reading, Honors |
| ENG 111 | Critical Thinking and Composition Through Literature |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors |
| HE 103 | Responding to Medical Emergencies |
| JOUR 101 | Reporting/Writing I |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II |
| MATH 137 | College Algebra |
| MATH 150 | Calculus with Analytic Geometry I |
| MATH 160 | Calculus with Analytic Geometry II |
| PHIL 111 | Critical Thinking And Writing In Philosophy |
| PHOT 109 | Introduction to Photography |
| PHOT 209 | Intermediate Photography and Lighting |
| PHYS 105 | General Physics |
| PHYS 106 | General Physics |
| PHYS 110 | Introductory Physics |
| PHYS 111 | Introductory Physics |
| POLS 101 | American Government And Politics |
| PSY 140 | Child Development |
| PSY 145 | Human Development |
| SOC 101 | Introduction To Sociology |
| or SOC 101H | Introduction to Sociology, Honors |
| **Total Units** | **26.00-31.30** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Evaluate personal energy and nutrient requirements and food sources using current dietary and nutrition assessment tools.
2. Explain the physiological processing of nutrients in relation to energy balance, metabolism and physical activity.

3. Evaluate the impact of socioeconomic variables on food safety, food choices, food beliefs, and disease risk.
4. Identify dietary and lifestyle modifications for improving health throughout growth, development and aging.
5. Evaluate how human populations impact and are impacted by nutrition, food choices, and its relationship to disease.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Business Administration

The Business Administration Department provides students with a broad background in Business Administration, Business Law, Legal Environment of Business, Management, Leadership, Business Mathematics, Real Estate and Entrepreneurship. They provide foundational, specialized, knowledge in the areas of law, management, real estate and entrepreneurship, which represent the ongoing needs of business and industry.

The Department offers degrees and certificates as well as entry-level and advanced Skills Competency Awards.

The Department participates in a variety of industry/educational partnerships including the National Association for Community College Entrepreneurship, the United States Association for Business and Entrepreneurship, the American Management Association, the American Bar Association, Global Trade Workforce, LinkedIn, Santa Barbara Association of Realtors, and the Santa Barbara Chamber of Commerce.

The Department also provides introductory courses (electives) for students in programs campus-wide.

## Scheinfeld Center for Entrepreneurship & Innovation

Scheinfeld.sbcc.edu (http://www.Scheinfeld.sbcc.edu)

Under the aegis of the Business Administration Department, the Scheinfeld Center for Entrepreneurship & Innovation is where students from any discipline can access the tools, resources and mentorship needed to start or grow their business. The Scheinfeld Center supplements the Business Administration courses in Entrepreneurship with an entrepreneurial internship program, the Enlightened Entrepreneurship Speaker Series, and the regional New Venture Challenge business plan and pitch competition. The Scheinfeld Center hosts the Small Business Development Center (SBDC) of Santa Barbara, which provides no-cost business consulting to students and the community. Additionally the Scheinfeld Center hosts the Center for International Trade and Development (CITD) to assist businesses with international expansion through importing and exporting. The Scheinfeld Center is located in BC-220 and is open Monday through Friday, with scheduled and drop-in appointments available.

## Programs of Study

**Associate Degree for Transfer**

- Business Administration 2.0, Associate in Science for Transfer (AS-T) (https://catalog.sbcc.edu/academic-departments/business-administration/business-administration-2.0-ast/)

### Associate Degrees

- Business Administration, Associate of Science (AS) (p. 204)
- Business Administration, Associate of Science (AS): Entrepreneurship Emphasis (p. 204)
- Real Estate, Associate of Science (AS) (p. 207)

### Certificates of Achievement

- Business Administration, Certificate of Achievement (C): Entrepreneurship Emphasis (p. 205)
- Real Estate, Certificate of Achievement (C) (p. 208)

### Skills Competency Awards

- Business Administration, Skills Competency Award (SCA): Level I (p. 206)
- Business Administration, Skills Competency Award (SCA): Level II (p. 206)
- Entrepreneurship, Skills Competency Award (SCA): Web Design, Level I (p. 207)
- Entrepreneurship, Skills Competency Award (SCA): Web Design, Level II (p. 207)

# Business Administration, Associate of Science (AS)

## Overview

The Business Administration AS Degree program specifically provides core courses for the business student seeking a terminal degree. The curriculum includes the core elements and skills necessary to acquire gainful employment in a wide variety of industries. The curriculum targets the following personal skills which are woven into courses throughout the curriculum: communication, teamwork, law, technology, accounting, finance, critical thinking and adapting to change. The Business Administration degree emphasizes both practical and fundamental business knowledge necessary to enter into the workforce.

## Requirements

### Associate Degree Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| ACCT 110 | Introduction to Accounting | 4 |
| BLAW 110 | Legal Environment of Business | 4 |
| BUS 101 | Introduction To Business | 3 |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| FIN 202 | Managerial Finance | 3 |
| MGMT 101 | Introduction To Management | 3 |
| MGMT 102 | Leadership in Organizations | 3 |
| **Total Units** | | **24.00** |

Optional:

| Code | Title | Units |
|------|-------|-------|
| BUS 290 | Work Experience in Business Administration | 1-4 |

## Learning Outcomes

1. Meet the requirements for successful transfer to a UC/CSU program in Business Economics and/or Business Administration.
2. Analyze the external environment of business as a means of assessing the threats and opportunities confronting businesses in the 21st century.
3. Define, analyze and devise solutions for complex business problems and issues by using logical reasoning patterns.
4. Demonstrate a comprehension of the legal and ethical issues confronting today's contemporary organizations.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Business Administration, Associate of Science (AS): Entrepreneurship Emphasis

## Overview

The Business Administration: Emphasis in Entrepreneurship Program is designed to provide the student with the facts, skills and concepts necessary to become successful in small- to mid-sized organizations. Topics covered include management, ownership, marketing, legal environment, finance, accounting and relevant technologies.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| BUS 101 | Introduction To Business | 3 |
| ENT 201 | Introduction to Entrepreneurship and Innovation | 3 |
| ENT 202 | Entrepreneurship: Idea to Business Model | 3 |
| ENT 203 | Marketing Plan Development | 3 |
| ENT 204 | Global Entrepreneurship | 3 |
| ENT 205 | Financial Management for Startups | 3 |
| ENT 206 | Enterprise Launch | 3 |
| ENT 207 | Entrepreneurship Law | 3 |
| ENT 208 | Business Plan Development | 3 |
| ENT 247 | Entrepreneurship: Information Systems Management | 3 |
| **Total Units** | | **30.00** |

## Learning Outcomes

1. Access and interpret information (legal, financial, operational, market) necessary to develop a new business venture.
2. Assess the risks associated with developing a new business venture.
3. Develop a market ready business plan.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Business Administration, Certificate of Achievement (C): Entrepreneurship Emphasis

## Overview

The Business Administration - Emphasis in Entrepreneurship Program at Santa Barbara City College is designed to provide the student with the facts, skills and concepts necessary to become successful in small to mid-sized organizations. Topics covered include management, ownership, marketing, legal environment, finance, accounting and computer applications. Students interested in transferring to four-year institutions should meet with a counselor for transfer information.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| BUS 101 | Introduction To Business | 3 |
| ENT 201 | Introduction to Entrepreneurship and Innovation | 3 |
| ENT 202 | Entrepreneurship: Idea to Business Model | 3 |
| ENT 203 | Marketing Plan Development | 3 |
| ENT 204 | Global Entrepreneurship | 3 |
| ENT 205 | Financial Management for Startups | 3 |
| ENT 206 | Enterprise Launch | 3 |
| ENT 207 | Entrepreneurship Law | 3 |
| ENT 208 | Business Plan Development | 3 |
| ENT 247 | Entrepreneurship: Information Systems Management | 3 |
| **Total Units** | | **30.00** |

## Learning Outcomes

1. Access and interpret information (legal, financial, operational, market) necessary to develop a new business venture.
2. Assess the risks associated with developing a new business venture.
3. Develop a market ready business plan.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Business Administration, Skills Competency Award (SCA): Level I

## Overview

This department offers occupational and professional programs in business which meet the needs of students planning to obtain immediate employment, retrain, earn an A.A. Degree, transfer to a four-year college or university, or take courses to enhance their understanding of the environment in which they work and live.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BUS 101 | Introduction To Business | 3 |
| ENT 204 | Global Entrepreneurship | 3 |
| MGMT 101 | Introduction To Management | 3 |
| Complete 3 units of Controlled Electives from the following: | | 3-4 |
| ACCT 110 | Introduction to Accounting | |
| BLAW 110 | Legal Environment of Business | |
| CIS 101 | Introduction to Computers and Information Systems | |
| COMM 151 | Intercultural Communication | |
| COMM 161 | Communication in Organizations | |
| or COMM 162 | Mediated Communication in Organizations | |
| CS 101 | Computer Concepts | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| FIN 202 | Managerial Finance | |
| **Total Units** | | **12.00-13.00** |

## Learning Outcomes

1. Utilize the basic steps necessary to investigate and evaluate new business opportunities.
2. Apply the basic steps in the strategic planning process necessary for the development of a new business venture.
3. Utilize a four (4) square SWOT matrix to strategically assess the internal and external business environment.
4. Make use of the steps necessary to effectively manage a diverse workforce.
5. Manage the value-chain in an organization as a means of achieving superior quality, efficiency and responsiveness to the customer.

# Business Administration, Skills Competency Award (SCA): Level II

## Overview

This program offers occupational and professional programs in business which meet the needs of students planning to obtain immediate employment, retrain, or take courses to enhance their understanding of the environment in which they work and live.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| BUS 101 | Introduction To Business | 3 |
| ENT 204 | Global Entrepreneurship | 3 |
| ENT 208 | Business Plan Development | 3 |
| FIN 202 | Managerial Finance | 3 |
| MGMT 101 | Introduction To Management | 3 |
| MGMT 102 | Leadership in Organizations | 3 |
| Complete two courses from the following: | | 6-8 |
| ACCT 110 | Introduction to Accounting | |
| BLAW 110 | Legal Environment of Business | |
| CIS 101 | Introduction to Computers and Information Systems | |
| COMM 151 | Intercultural Communication | |
| COMM 161 | Communication in Organizations | |
| or COMM 162 | Mediated Communication in Organizations | |
| CS 101 | Computer Concepts | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| **Total Units** | | **24.00-26.00** |

## Learning Outcomes

1. Employ the appropriate techniques necessary to positively influence employee morale and motivation.
2. Distinguish between cross-cultural and gender-based perspectives in order to effectively serve in a leadership capacity.
3. Develop a formal business plan for the creation of a new business venture.
4. Analyze the availability of capital, labor, raw materials, and other key resources necessary for the creation (continuation) of a new/existing business venture.
5. Assess the market potential of a new product/service within the marketplace.
6. Calculate the cost of various methods of finance charges and deferred payment.
7. Analyze the key variables found in a balance sheet and income statement.

# Entrepreneurship, Skills Competency Award (SCA): Web Design - Level II

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ENT 205 | Financial Management for Startups | 3 |
| ENT 206 | Enterprise Launch | 3 |
| ENT 207 | Entrepreneurship Law | 3 |
| ENT 208 | Business Plan Development | 3 |
| MAT 116 | Interactive Design I | 3 |
| MAT 154 | Web Design II: Integration | 3 |
| MAT/MKT 164 | Online and Mobile Marketing | 3 |
| **Total Units** | | **21.00** |

## Learning Outcomes

1. Ability to create fully interactive websites.
2. Utilize various design tools (Image Ready, Dreamweaver, etc) for creative websites.
3. Understand various functional aspects of developing, managing and growing a small business.

# Entrepreneurship, Skills Competency Award (SCA): Web Design - Level I

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ENT 201 | Introduction to Entrepreneurship and Innovation | 3 |
| ENT 202 | Entrepreneurship: Idea to Business Model | 3 |
| ENT 203 | Marketing Plan Development | 3 |
| ENT 204 | Global Entrepreneurship | 3 |
| GDP 110 | Media Design | 3 |
| MAT 131 | Digital Imaging I | 3 |
| MAT 153 | Web Design I | 3 |
| **Total Units** | | **21.00** |

## Learning Outcomes

1. Utilize Photoshop to create, edit and prepare images for print in various media.

2. Capable of designing, publishing and publicizing websites.
3. Ability to utilize various digital tools in the production of 2-D designs.
4. Understand various functional aspects of developing, managing and growing a small business.

# Real Estate, Associate of Science (AS)

## Overview

The Real Estate curriculum is designed to provide the student with the courses necessary to master the basic facets of the real estate industry.  The curriculum appeals to all students interested in the real estate business, but it also is designed to prepare students for professional certification as real estate salespersons and brokers.  It specifically provides the student with the core course needed to sit for the salesperson license exam i.e. Real Estate Principles. The curriculum also provides students desiring to sit for the broker license exam the five required courses (Real Estate Practice, Real Estate Appraisal, Real Estate Economics, Real Estate Finance and Legal Aspects of Real Estate) and the remaining three elective courses.  These courses do not, however, meet salesperson/broker continuing education requirements.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ACCT 230 | Financial Accounting | 5 |
| BLAW 101 | Business Law | 4 |
| RE 101 | Real Estate Principles | 3 |
| RE 102 | Real Estate Practices | 3 |
| RE 203 | Real Estate Finance | 3 |
| RE 204 | Legal Aspects of Real Estate | 3 |
| RE 205 | Real Estate Appraisal (Residential) | 3 |
| RE 207 | Property Management | 3 |
| **Total Units** | | **27.00** |

## Learning Outcomes

1. Analyze common real estate problems, apply appropriate solutions, and interpret outcomes.

2. Meet career preparation goals, as well as prepare for a state licensing exam.
3. Explain the process for making home purchase or sale decisions and completing real estate transactions.
4. Demonstrate mastery of program-specific concepts and skills. (e.g., understand theory and application in real estate finance, investments, property management and financial institutions).

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Real Estate, Certificate of Achievement (C)

## Overview

The Real Estate curriculum is designed to provide the student with the courses necessary to master the basic facets of the real estate industry.  The curriculum appeals to all students interested in the real estate business, but it also is designed to prepare students for professional certification as real estate salespersons and brokers.  It specifically provides the student with the core course needed to sit for the salesperson license exam i.e. Real Estate Principles. The curriculum also provides students desiring to sit for the broker license exam the five required courses (Real Estate Practice, Real Estate Appraisal, Real Estate Economics, Real Estate Finance and Legal Aspects of Real Estate) and the remaining three elective courses.  These courses do not, however, meet salesperson/broker continuing education requirements.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ACCT 230 | Financial Accounting | 5 |
| BLAW 101 | Business Law | 4 |
| RE 101 | Real Estate Principles | 3 |
| RE 102 | Real Estate Practices | 3 |
| RE 203 | Real Estate Finance | 3 |
| RE 204 | Legal Aspects of Real Estate | 3 |
| RE 205 | Real Estate Appraisal (Residential) | 3 |
| RE 207 | Property Management | 3 |
| **Total Units** | | **27.00** |

## Learning Outcomes

1. Analyze common real estate problems, apply appropriate solutions, and interpret outcomes.

2. Meet career preparation goals, as well as prepare for a state licensing exam.
3. Explain the process for making home purchase or sale decisions and completing real estate transactions.
4. Demonstrate mastery of program-specific concepts and skills. (e.g., understand theory and application in real estate finance, investments, property management and financial institutions).

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Chemistry

The Chemistry Department offers courses for both Chemistry majors and non-Chemistry majors. An Associate in Arts Degree may be earned. In addition, the department offers chemistry courses required by other departments.

There is virtually no area of science that is unaffected by discoveries in the field of chemistry. The exploration of our solar system is made possible by the development of exotic fuels for rockets, special ceramics to dissipate the enormous heat generated by re-entry into the atmosphere, and light-weight, high-strength alloys for the space vehicles themselves. A coalition of chemists and biologists is attempting to correct defects in living organisms through genetic engineering, while other chemists work with doctors to create synthetic body parts and to alleviate suffering through the design of new or more effective drugs. Additionally, chemists are helping to increase the world's food supply, to develop synthetic fuels, and to produce extremely pure chemicals for use in computers and energy-conversion devices.

Because chemistry touches so many areas of human activity, it is essential that each individual have some understanding of basic chemical principles. Only in this way can citizens make intelligent decisions concerning applications of technology.

**Preparation for Transfer**

Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is *most important* for a student to consult a counselor before planning an academic program for transfer. Articulation agreements for majors outlining transfer requirements are available on the ASSIST website at www.assist.org (http://www.assist.org).

**Planning a Program of Study**

Since many Chemistry courses have mathematics classes as prerequisites, it is important for students majoring in Chemistry to complete these courses prior to beginning the program.

General Chemistry (CHEM 155 General Chemistry I and CHEM 156 General Chemistry II) is offered every semester, including the summer. The one-year organic sequence begins in the Fall Semester with CHEM 211 Organic Chemistry I and CHEM 221 Organic Chemistry Laboratory I, and is completed in the Spring Semester with CHEM 212 Organic Chemistry II and CHEM 222 Organic Chemistry Laboratory II. Students must complete CHEM 156 General Chemistry II before being

able to enroll in CHEM 211 Organic Chemistry I and CHEM 221 Organic Chemistry Laboratory I.

# Programs of Study

**Associate Degree**

- Chemistry, Associate of Arts (AA) (p. 209)

# Chemistry, Associate of Arts (AA)

## Overview

From its obscure beginnings in alchemy and philosophy, chemistry has emerged as the central science in the modern world.  There is virtually no area of science that is unaffected by discoveries in the field of chemistry.   Because chemistry touches so many areas of human activity, it is essential that each individual have a basic understanding of chemical principles.  Only in this way can citizens make intelligent decisions concerning applications of technology.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CHEM 155 | General Chemistry I | 5 |
| CHEM 156 | General Chemistry II | 5 |
| CHEM 211 | Organic Chemistry I | 3 |
| CHEM 212 | Organic Chemistry II | 3 |
| CHEM 221 | Organic Chemistry Laboratory I | 2.3 |
| CHEM 222 | Organic Chemistry Laboratory II | 2.5 |
| Controlled Electives: Complete 8 units from the following: [1] | | 8-10 |
| MATH 117 | Elementary Statistics | |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | |
| MATH 137 | College Algebra | |
| MATH 138 | Precalculus - College Algebra and Trigonometry | |
| MATH 150 | Calculus with Analytic Geometry I | |
| MATH 160 | Calculus with Analytic Geometry II | |
| MATH 200 | Multivariable Calculus | |
| MATH 210 | Linear Algebra | |
| MATH 220 | Differential Equations | |
| PHYS 105 | General Physics | |
| PHYS 106 | General Physics | |
| PHYS 121 | Mechanics Of Solids And Fluids | |
| PHYS 122 | Electricity and Magnetism | |
| PHYS 123 | Heat, Light and Modern Physics | |
| **Total Units** | | **28.80-30.80** |

[1]  MATH 140 (21)/MATH 141 (22) and MATH 250/MATH 260 may also count toward the Controlled Electives requirement.

## Learning Outcomes

1. Demonstrate proficiency in solving chemical mathematical problems.
2. Demonstrate proficiency in describing atomic structure, bonding and periodic trends.
3. Demonstrate proficiency in naming and writing chemical formulas.
4. Demonstrate proficiency in writing balanced chemical equations and performing stoichiometric calculations.
5. Demonstrate proficiency in predicting the outcome of chemical reactions.
6. Demonstrate proficiency in assembling laboratory glassware and performing laboratory techniques.
7. Demonstrate proficiency in making and recording experimental observations and interpreting the results.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Communication

Whatever their age, social position, or occupation, people communicate. Humans spend more time engaged in speaking and listening than virtually any other activity. Communication is as important as it is pervasive—success or failure often depends on how well we express ourselves and understand others. Recognizing this fact, the Communication Department offers a wide range of courses to help students become more skillful, aware communicators.

The department's curriculum focuses on communication in a variety of settings—interpersonal, small group, organizational, presentational, via mass media and between cultures and nations. Courses are also available in argumentation and debate, communication theory and research methods.

Communication students will have the opportunity to gain practical and theoretical knowledge about human communication, develop their communication skills, and showcase their proficiency by participating in

various projects through their classes. The Communication Department strives to foster an inclusive and welcoming learning experience for all, and develop in our students a deep value of diversity, equity, and inclusion which they will take into their lives and careers outside of our college.

The Communication Department at Santa Barbara City College offers two areas of emphasis within the AA Degree in Communication—a Communication Science Emphasis and an Applied Communication Emphasis. The Communication Science Emphasis provides students with the foundational knowledge in communication theory and research methods. The Applied Communication Emphasis provides students with foundational knowledge in Communication Studies and its application. Additionally, the Communication Department offers an AA-T Degree in Communication Studies for Transfer.

**Planning a Program of Study**

The field of communication covers a wide range of topics. The major is designed to give students exposure to basic information in the discipline and provide the opportunity to focus on the areas that best suit their individual needs.

Students should consult with a departmental adviser and/or counselor when choosing both controlled and general electives in order to develop a program of study that is best suited to their specific needs. For example, requirements for the baccalaureate degree in Communication or Speech Communication vary from one institution to another. It is, therefore, essential to become familiar with the requirements of the institution a student plans to attend.

Not all Communication courses are offered every semester. Students should plan carefully so that all required courses are included in their program of study.

**Preparation for Transfer**

Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is *most important* for a student to consult with his/her counselor and departmental adviser before planning an academic program for transfer. Information sheets for majors, outlining transfer requirements, are available in the Transfer Center.

# Programs of Study

### Associate Degree for Transfer

### Associate Degrees

### Certificates of Achievement

# Communication, Associate of Arts (AA): Applied Communication Emphasis

## Overview

Whatever their age, social position, or occupation, people communicate. Humans spend more time engaged in speaking and listening than virtually any other activity. Communication is as important as it is pervasive—success or failure often depends on how well we express ourselves and understand others.

The Communication Department's curriculum focuses on communication in a variety of settings -- interpersonal, small group, on-the-job, speaker-to-audience, via mass media and between cultures and nations.  In addition, instruction is available in argumentation and debate and communication theory.  Surveys show that most employers rank effective communication at the top of desired skills.

The Applied Communication Emphasis provides students with the foundational knowledge in Communication Studies and its application in a variety of settings—interpersonal, small group, organizational, presentational speaking, mass media and intercultural.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| COMM 121 | Interpersonal Communication | 3 |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| COMM 141 | Small Group Communication | 3 |
| COMM 161 | Communication in Organizations | 3 |
| or COMM 162 | Mediated Communication in Organizations | |
| Complete two courses from the following: | | 6-7 |
| COMM 101 | Introduction to Communication | |

| | | |
|---|---|---|
| COMM 142 | Leadership in a Global Society | |
| COMM 151 | Intercultural Communication | |
| COMM 171 | Mass Media and Society | |
| COMM 200 | Rhetoric of Pop Culture | |
| COMM 235 | Argumentation and Debate | |
| COMM 288 | Communication Research Methods | |
| JOUR 101 | Reporting/Writing I | |
| MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| or SOC 125 | Introduction to Statistics in Sociology | |
| **Total Units** | | **18.00-19.00** |

## Learning Outcomes

1. Demonstrate ability to analyze and critically evaluate communication practices, messages and outcomes in various contexts (e.g., interpersonal, intercultural, small group, public and professional communication, and mass media).
2. Develop a repertoire of strategies for improved communication effectiveness and demonstrate the strategies in oral, written and/or presentation contexts.
3. Read, evaluate and report on communication research.
4. Recognize and articulate the benefits and challenges of diverse communicative practices of people living in a global/multicultural society.
5. Demonstrate understanding of the ethical dimensions of communication.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| COMM 101 | Introduction to Communication [1] | 3 |
| COMM 121 | Interpersonal Communication [1] | 3 |
| General Ed. Course | | |
| Amer. Inst. Req. | | |
| General Ed. Course | | |
| | **Units** | **6** |
| **Spring Semester** | | |
| COMM 131 | Fundamentals Of Public Speaking [1] | 3 |
| COMM 141 | Small Group Communication [1] | 3 |
| Elective [2] | | |
| Elective [2] | | |
| General Ed. Course | | |
| | **Units** | **6** |
| **Second Year** | | |
| **Fall Semester** | | |
| COMM 161 | Communication in Organizations [1] | 3 |
| COMM 151 | Intercultural Communication [1] | 3 |
| General Ed. Course | | |
| Elective [2] | | |
| Elective [2] | | |
| | **Units** | **6** |
| **Spring Semester** | | |
| COMM 171 | Mass Media and Society [1] | 3 |
| COMM 235 | Argumentation and Debate | 3 |
| General Ed. Course | | |
| Elective [2] | | |
| Elective [2] | | |
| | **Units** | **6** |
| | **Total Units** | **24** |

[1] May be taken either Fall or Spring Semester Semester.
[2] Electives allow students to focus on an area of special interest within the field of Communication—i.e. communication studies, rhetoric and public address, organizational communication and telecommunications. Consult the departmental adviser and/or counselor for further assistance.

# Communication, Associate of Arts (AA): Communication Science Emphasis

## Overview

Whatever their age, social position, or occupation, people communicate. Humans spend more time engaged in speaking and listening than virtually any other activity. Communication is as important as it is pervasive—success or failure often depends on how well we express ourselves and understand others.

The Communication Department's curriculum focuses on communication in a variety of settings -- interpersonal, small group, on-the-job, speaker-to-audience, via mass media and between cultures and nations.  In addition, instruction is available in argumentation and debate and communication theory.  Surveys show that most employers rank effective communication at the top of desired skills.

The Communication Science Emphasis provides students with the foundational knowledge in communication theory and research methods and prepares them to make a successful transition to a Baccalaureate Degree in Communication Studies at any of the UC campuses, particularly UC, Santa Barbara.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR

b. OPTION 2: IGETC (p. 141) Pattern OR

c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| COMM 101 | Introduction to Communication | 3 |
| MATH 117 | Elementary Statistics | 4 |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| or SOC 125 | Introduction to Statistics in Sociology | |
| COMM 288 | Communication Research Methods | 3-4 |
| or PSY 200 | Research Methods and Experimental Design in Psychology | |
| COMM 289 | Communication Theory | 3 |
| Complete two courses from the following: | | 6 |
| COMM 121 | Interpersonal Communication | |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| COMM 131 | Fundamentals Of Public Speaking | |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| COMM 141 | Small Group Communication | |
| COMM 142 | Leadership in a Global Society | |
| COMM 151 | Intercultural Communication | |
| COMM 161 | Communication in Organizations | |
| or COMM 162 | Mediated Communication in Organizations | |
| COMM 171 | Mass Media and Society | |
| COMM 200 | Rhetoric of Pop Culture | |
| COMM 235 | Argumentation and Debate | |
| JOUR 101 | Reporting/Writing I | |
| **Total Units** | | **19.00-20.00** |

## Learning Outcomes

1. Demonstrate ability to analyze and critically evaluate communication practices, messages and outcomes in various contexts (e.g., interpersonal, intercultural, small group, public and professional communication, and mass media).

2. Develop a repertoire of strategies for improved communication effectiveness and demonstrate the strategies in oral, written and/or presentation contexts.

3. Read, evaluate and report on communication research.

4. Recognize and articulate the benefits and challenges of diverse communicative practices of people living in a global/multicultural society.

5. Demonstrate understanding of the ethical dimensions of communication.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| COMM 101 | Introduction to Communication [1] | 3 |
| COMM 151 | Intercultural Communication [1] | 3 |
| Amer. Inst. Req | | |
| General Ed. Course | | |
| Elective [2] | | |
| | **Units** | **6** |
| **Spring Semester** | | |
| COMM 171 | Mass Media and Society [1] | 3 |
| COMM 141 | Small Group Communication [1] | 3 |
| General Ed. Course | | |
| MATH 117 | Elementary Statistics [1] | 4 |
| Elective [2] | | |
| | **Units** | **10** |
| **Second Year** | | |
| **Fall Semester** | | |
| COMM 289 | Communication Theory | 3 |
| COMM 131 | Fundamentals Of Public Speaking [1] | 3 |
| Elective [2] | | |
| Elective [2] | | |
| Elective [2] | | |
| | **Units** | **6** |
| **Spring Semester** | | |
| COMM 288 | Communication Research Methods | 3 |
| COMM 235 | Argumentation and Debate | 3 |
| Elective [2] | | |
| Elective [2] | | |
| Elective [2] | | |
| | **Units** | **6** |
| | **Total Units** | **28** |

[1] May be taken either Fall or Spring Semester.

[2] Electives allow students to focus on an area of special interest within the field of Communication—i.e. communication studies, rhetoric and public address, organizational communication and telecommunications. Consult with departmental adviser and/or counselor for further assistance.

# Communication Studies, Associate in Arts for Transfer (AA-T)

The field of communication covers a wide range of topics. This major is designed to give students exposure to basic information in the discipline and provide the opportunity to focus on the areas that best

suit their individual needs. Students should consult with a departmental adviser and/or counselor when choosing both controlled and general electives in order to develop a program of study that is best suited to their specific needs. For example, requirements for the baccalaureate degree in Communication or Speech Communication vary from one institution to another. It is, therefore, essential to become familiar with the requirements of the institution a student plans to attend.

The Associate in Arts for Transfer degree in Communication Studies provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

# Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Required Core | | |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| List A - Complete two courses from the following: | | 6 |
| COMM 121 | Interpersonal Communication | |
| or COMM 121H | Interpersonal Communication, Honors | |
| COMM 141 | Small Group Communication | |
| COMM 235 | Argumentation and Debate | |
| List B - Complete two courses from the following: | | 6-10 |
| Any course not taken in List A | | |
| ANTH 101 | Physical Anthropology | |
| or ANTH 101H | Physical Anthropology, Honors | |
| COMM 101 | Introduction to Communication | |
| COMM 151 | Intercultural Communication | |
| COMM 171 | Mass Media and Society | |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory | |
| or ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory | |
| ERTH 112 | History Of The Earth | |
| FR 103 | Intermediate French I | |
| FR 104 | Intermediate French II | |
| FS 104 | American Film to 1960's | |
| GER 103 | Intermediate German I | |
| GER 104 | Intermediate German II | |
| HIST 103 | History of Western Civilization | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| JOUR/MKT 135 | Public Relations | |
| JOUR/PHOT 190 | Photojournalism | |
| MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| SOC 118 | Media, Culture and Society | |
| SPAN 103 | Intermediate Spanish I | |
| SPAN 104 | Intermediate Spanish II | |
| List C - Complete one course from the following: | | 3-5 |
| Any course not taken in List A or List B | | |
| ANTH 103 | Introduction To Cultural Anthropology | |
| COMM 142 | Leadership in a Global Society | |
| COMM 161 | Communication in Organizations | |
| COMM 288 | Communication Research Methods | |
| COMM 289 | Communication Theory | |
| ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| JOUR 101 | Reporting/Writing I | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| **Total Units** | | **18.00-24.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

# Learning Outcomes

1. Demonstrate ability to analyze and critically evaluate communication practices, messages and outcomes in various contexts (e.g., interpersonal, intercultural, small group, public and professional communication, and mass media).
2. Develop a repertoire of strategies for improved communication effectiveness and demonstrate the strategies in oral, written and/or presentation contexts.
3. Read, evaluate and report on communication research.
4. Recognize and articulate the benefits and challenges of diverse communicative practices of people living in a global/multicultural society.
5. Demonstrate understanding of the ethical dimensions of communication.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Global Leadership, Associate of Arts (AA)

## Overview

The Global Leadership AA degree is composed of required courses in global studies and communication and a wide array of transferable social sciences and arts/humanities elective courses. Students are prepared to continue their academic studies in a variety of fields, not limited to global studies and communication, such as history, political science, economics, business, sociology and environmental studies. The program will also prepare students for employment in one of the many occupational fields affected by globalization and changing communication. More specifically, it will prepare students for positions in the public and private sectors, ranging from education, government, journalism and media, to non-governmental organizations, of which the Santa Barbara community has many. The Associate Global Leadership degree (AA Global Leadership) supports Santa Barbara City College's core principles of promoting global responsibility as articulated in the SBCC mission statement.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Courses | | |
| COMM 121 | Interpersonal Communication | 3 |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| or COMM 151 | Intercultural Communication | |
| COMM 142 | Leadership in a Global Society | 3 |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| Complete a minimum of 6 units from the following: | | 6-10 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 109 | Comparative World Cultures | |
| ARBC 102 | Beginning Modern Standard Arabic II | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ASAM 102 | Contemporary Asian-American History | |
| ASL 102 | Beginning American Sign Language II | |
| ASL 103 | Intermediate American Sign Language I | |
| ASL 104 | Intermediate American Sign Language II | |
| ASL 125 | American Deaf Culture and History | |
| BLST 101 | The African-American In U.S. History To World War II | |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| BLST 103 | African-American Culture | |
| CHIN 102 | Beginning Chinese II | |
| CHIN 103 | Intermediate Chinese | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | |
| CHST 103 | Mexican-American (Chicano) Culture | |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | |
| CHST 114 | Borderlands Literature: U.S.-Mexico | |
| CHST 115 | Introduction To Mexican Literature | |
| CHST 121 | The Chicana And Other Latina Women | |
| COMM 101 | Introduction to Communication | |
| COMM 121 | Interpersonal Communication [1] | |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| COMM 131 | Fundamentals Of Public Speaking | |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| COMM 141 | Small Group Communication | |
| COMM 151 | Intercultural Communication [1] | |
| COMM 161 | Communication in Organizations | |
| or COMM 162 | Mediated Communication in Organizations | |
| COMM 171 | Mass Media and Society | |
| COMM 235 | Argumentation and Debate | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |

| | |
|---|---|
| ENT 201 | Introduction to Entrepreneurship and Innovation |
| ENT 202 | Entrepreneurship: Idea to Business Model |
| ENT 206 | Enterprise Launch |
| ENVS 110 | Humans And The Biological Environment |
| ENVS/HIST 112 | American Environmental History |
| ERTH 142/ GEOG 105 | Economic Geography |
| ETHS 101 | The Immigrant Experience in the U.S. |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors |
| ETHS/SOC 107 | Racism In America |
| ETHS 109 | U.S.-Mexico And Other Borderlands |
| ETHS 121 | Women of Color In The U.S. |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. |
| FR 102 | Beginning French II |
| FR 103 | Intermediate French I |
| FR 104 | Intermediate French II |
| FS 101 | Introduction to Film Studies |
| or FS 101H | Introduction to Film Studies, Honors |
| FS 105 | Introduction to Television Studies |
| FS 107 | Contemporary American Film |
| FS 113 | Experimental Film |
| FS 115 | The Vietnam War in Film |
| FS 116 | Gender and Sexuality in Film |
| FS 118 | Film Genres |
| FS 119 | Film Comedy |
| FS 120 | Visionary Filmmakers |
| FS 121 | Documentary Film |
| GEOG 102 | Human Geography |
| GEOG 104 | World Regional Geography |
| GER 102 | Beginning German II |
| GER 103 | Intermediate German I |
| GER 104 | Intermediate German II |
| HEBR 102 | Beginning Modern Hebrew II |
| HIST 101 | History of the U.S. to 1877 |
| HIST 102 | History of the U.S. Since 1865 |
| or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 103 | History of Western Civilization |
| HIST 104 | History of Western Civilization |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors |
| HIST 107 | World Civilization, Beginnings to 1550 |
| HIST 108 | World Civilization, 1550 to Present |
| HIST 110 | History of American Women |
| or HIST 110H | History Of American Women (Honors) |
| HIST 111 | The American West as Frontier and Region |
| HIST 115 | The Vietnam Wars |
| HIST 120 | Modern Europe |
| HIST 121 | History Of Great Britain |

| | |
|---|---|
| HIST 122 | History Of Great Britain |
| HIST 127 | History Of Russia |
| HIST 133 | History of Latin America |
| HIST 134 | History Of Latin America: 1800'S To Modern Period |
| HIST 135 | History of Mexico |
| HIST 137 | History of Religions of The Middle East |
| HIST 138 | History of the Modern Middle East |
| IBUS 102 | Introduction to International Business |
| ITAL 102 | Beginning Italian II |
| ITAL 103 | Intermediate Italian I |
| ITAL 104 | Intermediate Italian II |
| JAPN 102 | Beginning Japanese II |
| JAPN 103 | Intermediate Japanese I |
| JAPN 104 | Intermediate Japanese II |
| JOUR/MKT 135 | Public Relations |
| KOR 102 | Beginning Korean II |
| LATN 102 | Beginning Latin II |
| MGMT 101 | Introduction To Management |
| MGMT 102 | Leadership in Organizations |
| MKT 101 | Introduction to Marketing |
| MKT/MAT 164 | Online and Mobile Marketing |
| MKT 203 | Marketing Communications |
| MKT 205 | Consumer Selling Strategies |
| MKT 209 | International Marketing |
| MKT 215 | Segmentation and Target Marketing |
| MKT/CIS 220 | Introduction to Electronic Commerce |
| NATA 101 | American Indian: Past and Present |
| NATA 102 | The Native American In 20th Century Society |
| NATA 103 | Native American Cultural Heritage |
| NATA 104 | California Indians |
| NATA 105 | California Tribes: The Chumash |
| NATA 112 | Native American Visual And Musical Art |
| NATA 113 | The Indian In Literature: Fact And Fiction |
| PHIL 100 | Introduction to Philosophy |
| or PHIL 100H | Introduction to Philosophy, Honors |
| PHIL 101 | Introduction to Ethics |
| or PHIL 101H | Introduction To Ethics, Honors |
| PHIL 102 | Comparative World Religions |
| PHIL 200 | History Of Philosophy: Ancient |
| PHIL 201 | History of Philosophy: Modern |
| PHIL 203 | History Of Philosophy: Contemporary |
| PHIL 207A | Comparative Philosophy, East And West |
| POLS 101 | American Government And Politics |
| POLS 104 | American Government: Policy Issues/ Process |
| POLS 110 | Politics, Society And The Mass Media |
| POLS 121 | International Politics |

| | | |
|---|---|---|
| or POLS 121H | International Politics, Honors | |
| POLS 122 | International Organizations: Global and Regional Governance | |
| POLS 131 | Comparative Politics | |
| POLS 132 | Political Thinking | |
| POLS 134H | Political Violence, Honors | |
| POLS 151 | Law And Society | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| PSY 106 | Positive Psychology | |
| PSY 115 | Psychology Of Health And Effective Behavior | |
| PSY 120 | Introduction To Psychology | |
| PSY 125 | Psychology Of Human Sexuality | |
| PSY 130 | Personality Dynamics And Effective Behavior | |
| PSY 135 | Psychology of Film | |
| PSY 140 | Child Development | |
| PSY 145 | Human Development | |
| PSY 175 | Social Psychology: Psychological Perspective | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 104 | Social Psychology | |
| SOC 109 | Social Problems | |
| SOC/ANTH 110 | Culture and Society Through Cartoons | |
| SOC 113 | Sociology Of Sex and Gender | |
| SOC 115 | Introduction To Social Research | |
| SOC 118 | Media, Culture and Society | |
| SPAN 102 | Beginning Spanish II | |
| SPAN 103 | Intermediate Spanish I | |
| SPAN 104 | Intermediate Spanish II | |
| SPAN 139 | Contemporary Cultures Of Spain | |
| SPAN 150 | Advanced Spanish | |
| SPAN 160 | Advanced Spanish | |
| TA 103 | Theatre Appreciation | |
| **Total Units** | | **18.00-22.00** |

[1]  If not used to satisfy a core requirement.

## Learning Outcomes

1. Describe key developments in the ongoing process of globalization and various contemporary economic, political and cultural problems in the world arena.

2. Analyze a specific global problem of international or regional nature and discuss approaches to its solution.

3. Analyze and critically evaluate communication practices, messages and outcomes in various contexts (e.g., interpersonal, intercultural, small group, organizational, public speaking and mass media communication).

4. Recognize and articulate the benefits and challenges of diverse communicative practices in our global multicultural society.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| ENG 110 | Composition and Reading | 4 |
| GE Math | | 4 |
| GE Arts | | 3 |
| GE Area E or Elective [1] | | 3 |
| Elective [3] | | 2 |
| | **Units** | **16** |
| **Spring Semester** | | |
| COMM 121 or COMM 121H or COMM 122 or COMM 151 | Interpersonal Communication or Interpersonal Communication, Honors or Mediated Interpersonal Communication or Intercultural Communication | 3 |
| ENG 111 or ENG 111H or PHIL 111 or COMM 235 | Critical Thinking and Composition Through Literature or Critical Thinking and Composition Through Literature, Honors or Critical Thinking And Writing In Philosophy or Argumentation and Debate | 3 |
| GE Physical Sciences [2] | | 3 |
| Major Elective | | 3-5 |
| Elective [3] | | 1-3 |
| | **Units** | **13-17** |
| **Second Year** | | |
| **Fall Semester** | | |
| GLST 101 | Introduction to Global Studies | 3 |
| COMM 142 | Leadership in a Global Society | 3 |
| GE Humanities | | 3-5 |
| GE Social Science | | 3 |
| Electives [3] | | 1-3 |
| | **Units** | **13-17** |
| **Spring Semester** | | |
| GLST 102 | Global Problems | 3 |
| Major Elective | | 3-5 |
| GE Biological Sciences (lab) [2] | | 4 |
| GE Arts or Humanities | | 3 |
| Electives [3] | | 0-2 |
| | **Units** | **13-17** |
| | **Total Units** | **55-67** |

[1]  Area E is required for students following the CSU GEB pattern. Students following IGETC can take an elective instead.

[2] The lab component may also be taken with the physical science course instead.

[3] Student need to take enough electives to reach a total of 60 degree-applicable units to earn the degree.  Those electives can be completed in any semester/s.

# Global Leadership, Certificate of Achievement (C)

## Overview

The Global Leadership Certificate is composed of required courses in global studies and communication and a wide array of transferable social sciences and arts/humanities elective courses. Students are prepared to continue their academic studies in a variety of fields, not limited to global studies and communication, such as history, political science, economics, business, sociology and environmental studies. The program will also prepare students for employment in one of the many occupational fields affected by globalization and changing communication. More specifically, it will prepare students for positions in the public and private sectors, ranging from education, government, journalism and media, to non-governmental organizations, of which the Santa Barbara community has many. The Global Leadership Certificate supports Santa Barbara City College's core principles of promoting global responsibility as articulated in the SBCC mission statement.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Courses | | |
| COMM 121 | Interpersonal Communication | 3 |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| or COMM 151 | Intercultural Communication | |
| COMM 142 | Leadership in a Global Society | 3 |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| Complete a minimum of 6 units from the following: | | 6-10 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 109 | Comparative World Cultures | |
| ARBC 102 | Beginning Modern Standard Arabic II | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ASAM 102 | Contemporary Asian-American History | |
| ASL 102 | Beginning American Sign Language II | |
| ASL 103 | Intermediate American Sign Language I | |
| ASL 104 | Intermediate American Sign Language II | |
| ASL 125 | American Deaf Culture and History | |
| BLST 101 | The African-American In U.S. History To World War II | |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| BLST 103 | African-American Culture | |
| CHIN 102 | Beginning Chinese II | |
| CHIN 103 | Intermediate Chinese | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | |
| CHST 103 | Mexican-American (Chicano) Culture | |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | |
| CHST 114 | Borderlands Literature: U.S.-Mexico | |
| CHST 115 | Introduction To Mexican Literature | |
| CHST 121 | The Chicana And Other Latina Women | |
| COMM 101 | Introduction to Communication | |
| COMM 121 | Interpersonal Communication [1] | |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| COMM 131 | Fundamentals Of Public Speaking | |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| COMM 141 | Small Group Communication | |
| COMM 151 | Intercultural Communication [1] | |
| COMM 161 | Communication in Organizations | |
| or COMM 162 | Mediated Communication in Organizations | |
| COMM 171 | Mass Media and Society | |
| COMM 235 | Argumentation and Debate | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| ENT 201 | Introduction to Entrepreneurship and Innovation | |
| ENT 202 | Entrepreneurship: Idea to Business Model | |
| ENT 206 | Enterprise Launch | |
| ENVS 110 | Humans And The Biological Environment | |
| ENVS/HIST 112 | American Environmental History | |
| ERTH 142/ GEOG 105 | Economic Geography | |
| ETHS 101 | The Immigrant Experience in the U.S. | |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| ETHS/SOC 107 | Racism In America | |
| ETHS 109 | U.S.-Mexico And Other Borderlands | |
| ETHS 121 | Women of Color In The U.S. | |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | |

| | | | | |
|---|---|---|---|---|
| FS 101 | Introduction to Film Studies | | KOR 102 | Beginning Korean II |
| or FS 101H | Introduction to Film Studies, Honors | | LATN 102 | Beginning Latin II |
| FS 105 | Introduction to Television Studies | | MGMT 101 | Introduction To Management |
| FS 107 | Contemporary American Film | | MGMT 102 | Leadership in Organizations |
| FS 113 | Experimental Film | | MKT 101 | Introduction to Marketing |
| FS 115 | The Vietnam War in Film | | MKT/MAT 164 | Online and Mobile Marketing |
| FS 116 | Gender and Sexuality in Film | | MKT 203 | Marketing Communications |
| FS 118 | Film Genres | | MKT 205 | Consumer Selling Strategies |
| FS 119 | Film Comedy | | MKT 209 | International Marketing |
| FS 120 | Visionary Filmmakers | | MKT 215 | Segmentation and Target Marketing |
| FS 121 | Documentary Film | | MKT/CIS 220 | Introduction to Electronic Commerce |
| FR 102 | Beginning French II | | NATA 101 | American Indian: Past and Present |
| FR 103 | Intermediate French I | | NATA 102 | The Native American In 20th Century Society |
| FR 104 | Intermediate French II | | | |
| GEOG 102 | Human Geography | | NATA 103 | Native American Cultural Heritage |
| GEOG 104 | World Regional Geography | | NATA 104 | California Indians |
| GER 102 | Beginning German II | | NATA 105 | California Tribes: The Chumash |
| GER 103 | Intermediate German I | | NATA 112 | Native American Visual And Musical Art |
| GER 104 | Intermediate German II | | | |
| HEBR 102 | Beginning Modern Hebrew II | | NATA 113 | The Indian In Literature: Fact And Fiction |
| HIST 101 | History of the U.S. to 1877 | | | |
| HIST 102 | History of the U.S. Since 1865 | | PHIL 100 | Introduction to Philosophy |
| or HIST 102H | History Of The U.S. Since 1865, Honors | | or PHIL 100H | Introduction to Philosophy, Honors |
| HIST 103 | History of Western Civilization | | PHIL 101 | Introduction to Ethics |
| HIST 104 | History of Western Civilization | | or PHIL 101H | Introduction To Ethics, Honors |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | | PHIL 102 | Comparative World Religions |
| | | | PHIL 200 | History Of Philosophy: Ancient |
| HIST 107 | World Civilization, Beginnings to 1550 | | PHIL 201 | History of Philosophy: Modern |
| HIST 108 | World Civilization, 1550 to Present | | PHIL 203 | History Of Philosophy: Contemporary |
| HIST 110 | History of American Women | | PHIL 207A | Comparative Philosophy, East And West |
| or HIST 110H | History Of American Women (Honors) | | | |
| HIST 111 | The American West as Frontier and Region | | POLS 101 | American Government And Politics |
| | | | POLS 104 | American Government: Policy Issues/Process |
| HIST 115 | The Vietnam Wars | | | |
| HIST 120 | Modern Europe | | POLS 110 | Politics, Society And The Mass Media |
| HIST 121 | History Of Great Britain | | POLS 121 | International Politics |
| HIST 122 | History Of Great Britain | | or POLS 121H | International Politics, Honors |
| HIST 127 | History Of Russia | | POLS 122 | International Organizations: Global and Regional Governance |
| HIST 133 | History of Latin America | | | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | | POLS 131 | Comparative Politics |
| | | | POLS 132 | Political Thinking |
| HIST 135 | History of Mexico | | POLS 134H | Political Violence, Honors |
| HIST 137 | History of Religions of The Middle East | | POLS 151 | Law And Society |
| | | | PSY 100 | General Psychology |
| HIST 138 | History of the Modern Middle East | | or PSY 100H | General Psychology, Honors |
| IBUS 102 | Introduction to International Business | | PSY 106 | Positive Psychology |
| ITAL 102 | Beginning Italian II | | PSY 115 | Psychology Of Health And Effective Behavior |
| ITAL 103 | Intermediate Italian I | | | |
| ITAL 104 | Intermediate Italian II | | PSY 120 | Introduction To Psychology |
| JAPN 102 | Beginning Japanese II | | PSY 125 | Psychology Of Human Sexuality |
| JAPN 103 | Intermediate Japanese I | | PSY 130 | Personality Dynamics And Effective Behavior |
| JAPN 104 | Intermediate Japanese II | | | |
| JOUR/MKT 135 | Public Relations | | PSY 135 | Psychology of Film |

| | | |
|---|---|---|
| PSY 140 | Child Development | |
| PSY 145 | Human Development | |
| PSY 175 | Social Psychology: Psychological Perspective | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 104 | Social Psychology | |
| SOC 109 | Social Problems | |
| SOC/ANTH 110 | Culture and Society Through Cartoons | |
| SOC 113 | Sociology Of Sex and Gender | |
| SOC 115 | Introduction To Social Research | |
| SOC 118 | Media, Culture and Society | |
| SPAN 102 | Beginning Spanish II | |
| SPAN 103 | Intermediate Spanish I | |
| SPAN 104 | Intermediate Spanish II | |
| SPAN 139 | Contemporary Cultures Of Spain | |
| SPAN 150 | Advanced Spanish | |
| SPAN 160 | Advanced Spanish | |
| TA 103 | Theatre Appreciation | |
| **Total Units** | | **18.00-22.00** |

[1]    If not used to satisfy a core requirement.

## Learning Outcomes

1. Describe key developments in the ongoing process of globalization and various contemporary economic, political and cultural problems in the world arena.

2. Analyze a specific global problem of international or regional nature and discuss approaches to its solution.

3. Analyze and critically evaluate communication practices, messages and outcomes in various contexts (e.g., interpersonal, intercultural, small group, organizational, public speaking and mass media communication).

4. Recognize and articulate the benefits and challenges of diverse communicative practices in our global multicultural society.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Applications and Office Management

The Computer Applications and Office Management Department (COMP) provides students with a broad range of computer application skills. COMP provides students with opportunities for the entire arc of digital life—whether your career is still in preparation (pre-career), in progress (workforce training), or in transition (changing careers or retirement).

COMP programs of study prepare students for positions in the office workplace including office management and business software

specialists. Because computer applications are needed in so many different career areas, the programs and individual courses are relevant in many different career paths.

The Department offers degrees and certificates as well as Skills Competency Awards and also provides introductory courses (electives) for students in programs campus-wide.

## Programs of Study

**Associate Degrees**

- Computer Applications and Office Management, Associate of Science (AS): Emphasis in Business Software Specialist (p. 220)
- Computer Applications and Office Management, Associate of Science (AS): Emphasis in Office Management (p. 221)

**Certificates of Achievement**

- Computer Applications and Office Management, Certificate of Achievement (C): Emphasis in Business Software Specialist (p. 222)
- Computer Applications and Office Management, Certificate of Achievement (C): Emphasis in Office Management (p. 222)

**Skills Competency Awards**

- Business Communications, Skills Competency Award (SCA) (p. 219)
- Computer Proficiency Online, Skills Competency Award (SCA) (p. 223)
- Office Assistant, Skills Competency Award (SCA) (p. 224)

# Business Communications, Skills Competency Award (SCA)

## Overview

The Business Communications Skills Competency Award will assist all businesspeople to become more effective and successful communicators in their written and verbal communications.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| COMP 103 | Internet Communications | 1 |
| COMP 107 | Microsoft Word | 4 |
| COMP 112 | Microsoft Powerpoint | 4 |
| COMP 171 | Business English | 3 |
| or COMP 271 | Business Communications | |
| Complete one course from the following: | | 3 |
| CIS/ENG 181 | Technical And Professional Writing | |
| COMM 131 | Fundamentals Of Public Speaking | |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| COMM 161 | Communication in Organizations | |

| | or COMM 162 | Mediated Communication in Organizations | |
| COMP 161C | | Business Career Success | |
| **Total Units** | | | **15.00** |

## Learning Outcomes

1. Use the Internet for research.
2. Use internet communication programs/tools successfully, wisely, and safely.
3. Create effective and appropriate written communications.
4. Use Word processing programs to produce written communications.
5. Use PowerPoint presentation program to produce effective presentations.
6. Produce and deliver powerful presentations in person and online.

# Computer Applications and Office Management, Associate of Science (AS): Emphasis in Business Software Specialist

## Overview

The Computer Applications and Office Management Department (COMP) is in business—the technology education business. We live in a culture governed by the demands of digital life. This digital life blurs and transforms old boundaries between work and home, public and private. It requires ever-increasing levels of technology literacy and competency. Computer software tools and devices constantly evolve and expand, as well as the skills needed to use them.

COMP serves that need across the entire arc of digital life—whether your career is still in preparation (pre-career), in progress (workforce training), or in transition (changing careers or retirement).

Our mission is to develop "technology-savvy adults" who possess literacy and competency in software productivity applications and tools that are part and parcel of our everyday lives—in the office, in the home office and in personal living.

The COMP Department is designed to meet the needs of all students and working professionals with a desire to improve their computer skills. SBCC can design a personalized program of study to meet your needs for:
• An introductory course
• A workshop to update your skills
• An advanced skills class
• A Skills Competency Award
• A Certificate of Achievement
• Professional certification
• An Associate in Science Degree

You can take COMP courses in the way that best fits your lifestyle and schedule. Class formats include:
• On-campus/traditional
• Evening
• Online/distance learning
• Self-paced lab instruction
• Short courses
• Credit for Work Experience

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| COMP 103 | Internet Communications | 1 |
| COMP 107 | Microsoft Word | 4 |
| COMP 109 | Microsoft Excel | 4 |
| COMP 111 | Microsoft Access | 4 |
| COMP 112 | Microsoft Powerpoint | 4 |
| COMP 139 | Social Networking for Business | 0.5 |
| COMP 144B | Google World | 3 |
| Complete two courses from the following: | | 4-7 |
| ACCT 110 | Introduction to Accounting | |
| ACCT 160 | Accounting With Quickbooks | |
| BUS 101 | Introduction To Business | |
| MAT 103 | Introduction to Multimedia | |
| MAT 154 | Web Design II: Integration | |
| MKT/CIS 220 | Introduction to Electronic Commerce | |
| **Total Units** | | **28.50-31.50** |

## Learning Outcomes

1. Use computer applications Word, Excel, Access, PowerPoint, Outlook and Google Docs proficiently in a business setting
2. To successfully integrate computer programs in the MS Office Suite or Google Docs for maximum productivity as a power end user
3. To use the Internet as a research tool

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Applications and Office Management, Associate of Science (AS): Emphasis in Office Management

## Overview

The Computer Applications and Office Management Department (COMP) is in business—the technology education business. We live in a culture governed by the demands of digital life. This digital life blurs and transforms old boundaries between work and home, public and private. It requires ever-increasing levels of technology literacy and competency. Computer software tools and devices constantly evolve and expand, as well as the skills needed to use them.

COMP serves that need across the entire arc of digital life—whether your career is still in preparation (pre-career), in progress (workforce training), or in transition (changing careers or retirement).

Our mission is to develop "technology-savvy adults" who possess literacy and competency in software productivity applications and tools that are part and parcel of our everyday lives—in the office, in the home office and in personal living.

The COMP Department is designed to meet the needs of all students and working professionals with a desire to improve their computer skills. SBCC can design a personalized program of study to meet your needs for:
• An introductory course
• A workshop to update your skills
• An advanced skills class
• A Skills Competency Award
• A Certificate of Achievement
• Professional certification
• An Associate in Science Degree

You can take COMP courses in the way that best fits your lifestyle and schedule. Class formats include:
• On-campus/traditional
• Evening
• Online/distance learning
• Self-paced lab instruction
• Short courses
• Credit for Work Experience

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ACCT 110 | Introduction to Accounting | 4 |
| BUS 101 | Introduction To Business | 3 |
| COMP 103 | Internet Communications | 1 |
| COMP 107 | Microsoft Word | 4 |
| COMP 109 | Microsoft Excel | 4 |
| COMP 111 | Microsoft Access | 4 |
| COMP 112 | Microsoft Powerpoint | 4 |
| COMP 151AB | Beginning Computer Keyboarding | 3 |
| COMP 161C | Business Career Success | 3 |
| COMP 171 | Business English | 3 |
| or COMP 271 | Business Communications | |
| Complete two courses from the following: | | 6 |
| COMM 161 | Communication in Organizations | |
| or COMM 162 | Mediated Communication in Organizations | |
| MGMT 101 | Introduction To Management | |
| MGMT 102 | Leadership in Organizations | |
| Complete three courses from the following: | | 2.5-9 |
| ACCT 160 | Accounting With Quickbooks | |
| COMP 139 | Social Networking for Business | |
| COMP 144B | Google World | |
| MAT 103 | Introduction to Multimedia | |
| MAT 154 | Web Design II: Integration | |
| MKT/CIS 220 | Introduction to Electronic Commerce | |
| **Total Units** | | **41.50-48.00** |

## Learning Outcomes

1. Demonstrate proficiency in Microsoft Word, Excel, and PowerPoint, Outlook and Google Docs.
2. Integrate the programs in the MS Office Suite for maximum productivity.
3. Write effective business correspondence.
4. Apply correct accounting procedures.
5. Supervise and manage employees with effective leadership and communication skills.
6. Utilize the Internet as a research tool in business.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Applications and Office Management, Certificate of Achievement (C): Emphasis in Business Software Specialist

## Overview

The Computer Applications and Office Management Department (COMP) is in business—the technology education business. We live in a culture governed by the demands of digital life. This digital life blurs and transforms old boundaries between work and home, public and private. It requires ever-increasing levels of technology literacy and competency. Computer software tools and devices constantly evolve and expand, as well as the skills needed to use them.

COMP serves that need across the entire arc of digital life—whether your career is still in preparation (pre-career), in progress (workforce training), or in transition (changing careers or retirement).

Our mission is to develop "technology-savvy adults" who possess literacy and competency in software productivity applications and tools that are part and parcel of our everyday lives—in the office, in the home office and in personal living.

The COMP Department is designed to meet the needs of all students and working professionals with a desire to improve their computer skills. SBCC can design a personalized program of study to meet your needs for:
• An introductory course
• A workshop to update your skills
• An advanced skills class
• A Skills Competency Award
• A Certificate of Achievement
• Professional certification
• An Associate in Science Degree

You can take COMP courses in the way that best fits your lifestyle and schedule. Class formats include:
• On-campus/traditional
• Evening
• Online/distance learning
• Self-paced lab instruction
• Short courses
• Credit for Work Experience

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| COMP 103 | Internet Communications | 1 |
| COMP 107 | Microsoft Word | 4 |
| COMP 109 | Microsoft Excel | 4 |
| COMP 111 | Microsoft Access | 4 |
| COMP 112 | Microsoft Powerpoint | 4 |
| COMP 139 | Social Networking for Business | 0.5 |
| COMP 144B | Google World | 3 |

| | | |
|------|-------|-------|
| Complete two courses from the following: | | 4-7 |
| ACCT 110 | Introduction to Accounting | |
| ACCT 160 | Accounting With Quickbooks | |
| BUS 101 | Introduction To Business | |
| MAT 103 | Introduction to Multimedia | |
| MAT 154 | Web Design II: Integration | |
| MKT/CIS 220 | Introduction to Electronic Commerce | |
| **Total Units** | | **28.50-31.50** |

## Learning Outcomes

1. Use computer applications Word, Excel, Access, PowerPoint, Outlook and Google Docs proficiently in a business setting.

2. To successfully integrate computer programs in the MS Office Suite or Google Docs for maximum productivity as a power end user.

3. To use the Internet as a research tool.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Applications and Office Management, Certificate of Achievement (C): Emphasis in Office Management

## Overview

The Computer Applications and Office Management Department (COMP) is in business—the technology education business. We live in a culture governed by the demands of digital life. This digital life blurs and transforms old boundaries between work and home, public and private. It requires ever-increasing levels of technology literacy and competency. Computer software tools and devices constantly evolve and expand, as well as the skills needed to use them.

COMP serves that need across the entire arc of digital life—whether your career is still in preparation (pre-career), in progress (workforce training), or in transition (changing careers or retirement).

Our mission is to develop "technology-savvy adults" who possess literacy and competency in software productivity applications and tools that are part and parcel of our everyday lives—in the office, in the home office and in personal living.

The COMP Department is designed to meet the needs of all students and working professionals with a desire to improve their computer skills. SBCC can design a personalized program of study to meet your needs for:
• An introductory course
• A workshop to update your skills
• An advanced skills class
• A Skills Competency Award
• A Certificate of Achievement
• Professional certification
• An Associate in Science Degree

You can take COMP courses in the way that best fits your lifestyle and schedule. Class formats include:
• On-campus/traditional
• Evening
• Online/distance learning
• Self-paced lab instruction
• Short courses
• Credit for Work Experience

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ACCT 110 | Introduction to Accounting | 4 |
| BUS 101 | Introduction To Business | 3 |
| COMP 103 | Internet Communications | 1 |
| COMP 107 | Microsoft Word | 4 |
| COMP 109 | Microsoft Excel | 4 |
| COMP 111 | Microsoft Access | 4 |
| COMP 112 | Microsoft Powerpoint | 4 |
| COMP 151AB | Beginning Computer Keyboarding | 3 |
| COMP 161C | Business Career Success | 3 |
| COMP 171 | Business English | 3 |
| or COMP 271 | Business Communications | |
| Complete two courses from the following: | | 6 |
| COMM 161 | Communication in Organizations | |
| or COMM 162 | Mediated Communication in Organizations | |
| MGMT 101 | Introduction To Management | |
| MGMT 102 | Leadership in Organizations | |
| Complete three courses from the following: | | 2.5-9 |
| ACCT 160 | Accounting With Quickbooks | |
| COMP 139 | Social Networking for Business | |
| COMP 144B | Google World | |
| MAT 103 | Introduction to Multimedia | |
| MAT 154 | Web Design II: Integration | |
| MKT/CIS 220 | Introduction to Electronic Commerce | |
| **Total Units** | | **41.50-48.00** |

## Learning Outcomes

1. Demonstrate proficiency in Microsoft Word, Excel, and PowerPoint, Outlook and Google Docs.
2. Integrate the programs in the MS Office Suite for maximum productivity.
3. Write effective business correspondence.
4. Apply correct accounting procedures.
5. Supervise and manage employees with effective leadership and communication skills.
6. Utilize the Internet as a research tool in business.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Proficiency Online, Skills Competency Award (SCA)

## Overview

The Computer Applications and Office Management Department (COMP) is in business—the technology education business. We live in a culture governed by the demands of digital life. This digital life blurs and transforms old boundaries between work and home, public and private. It requires ever-increasing levels of technology literacy and competency. Computer software tools and devices constantly evolve and expand, as well as the skills needed to use them.

COMP serves that need across the entire arc of digital life—whether your career is still in preparation (pre-career), in progress (workforce training), or in transition (changing careers or retirement).

Our mission is to develop "technology-savvy adults" who possess literacy and competency in software productivity applications and tools that are part and parcel of our everyday lives—in the office, in the home office and in personal living.

The COMP Department is designed to meet the needs of all students and working professionals with a desire to improve their computer skills. SBCC can design a personalized program of study to meet your needs for:
• An introductory course
• A workshop to update your skills
• An advanced skills class
• A Skills Competency Award
• A Certificate of Achievement
• Professional certification
• An Associate in Science Degree

You can take COMP courses in the way that best fits your lifestyle and schedule. Class formats include:
• On-campus/traditional
• Evening
• Online/distance learning
• Self-paced lab instruction
• Short courses
• Credit for Work Experience

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| COMP 101 | Introduction to Computer Applications | 3-4 |
| or COMP 144B | Google World | |

| | | |
|---|---|---|
| COMP 103 | Internet Communications | 1 |
| COMP 107 | Microsoft Word | 4 |
| COMP 109 | Microsoft Excel | 4 |
| COMP 112 | Microsoft Powerpoint | 4 |
| **Total Units** | | **16.00-17.00** |

## Learning Outcomes

1. Demonstrate proficiency in Microsoft Word, Excel, and PowerPoint.
2. Demonstrate the ability to work with existing databases using Microsoft Access and to understand database concepts and procedures.
3. Demonstrate the ability to work in an online environment and use online communication tools.

# Office Assistant, Skills Competency Award (SCA)

## Overview

The Computer Applications and Office Management Department (COMP) is in business—the technology education business. We live in a culture governed by the demands of digital life. This digital life blurs and transforms old boundaries between work and home, public and private. It requires ever-increasing levels of technology literacy and competency. Computer software tools and devices constantly evolve and expand, as well as the skills needed to use them.

COMP serves that need across the entire arc of digital life—whether your career is still in preparation (pre-career), in progress (workforce training), or in transition (changing careers or retirement).

Our mission is to develop "technology-savvy adults" who possess literacy and competency in software productivity applications and tools that are part and parcel of our everyday lives—in the office, in the home office and in personal living.

The COMP Department is designed to meet the needs of all students and working professionals with a desire to improve their computer skills. SBCC can design a personalized program of study to meet your needs for:
• An introductory course
• A workshop to update your skills
• An advanced skills class
• A Skills Competency Award
• A Certificate of Achievement
• Professional certification
• An Associate in Science Degree

You can take COMP courses in the way that best fits your lifestyle and schedule. Class formats include:
• On-campus/traditional
• Evening
• Online/distance learning
• Self-paced lab instruction
• Short courses
• Credit for Work Experience

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| COMP 103 | Internet Communications | 1 |
| COMP 161C | Business Career Success | 3 |
| COMP 151A | Basic Computer Keyboarding | 1.5 |
| COMP 171 | Business English | 3 |
| or COMP 271 | Business Communications | |
| COMP 139 | Social Networking for Business | 0.5-3 |
| or COMP 144B | Google World | |
| **Total Units** | | **13.00-15.50** |

## Learning Outcomes

1. Demonstrate the correct use of punctuation, capitalization and grammar in written documents.
2. Prepare basic business correspondence.
3. Use Word, Excel, Access and PowerPoint to complete basic business documents.
4. Upon completion of this award, students will be able to key 25 words per minute.

# Computer Information Systems

*See "*Computer Science *(p. 232)" and "*Computer Network Engineering and Electronics" *(p. 229) sections for additional computer courses.*

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS programs of study prepare students for entry-level positions in computer programming, systems analysis, database programming, help desk, computer operations and network management, information systems management, and sales and technical information positions.

The Department offers degrees and certificates as well as entry-level and advanced Skills Competency Awards.

The Department participates in a variety of industry partnerships, including the Microsoft Imagine Academy, VMware Academy, Citrix Academy, Oracle Academy, AWS Academy, and is a CompTIA Academy Partner. It offers certification preparation classes on behalf of these vendors.

The Department also provides introductory courses (electives) for students in programs campus-wide.

## Planning a Program of Study

Students are advised to see a college counselor and a departmental instructor in planning a program of study. Factors to be considered in the plan:

1. Academic goals (i.e., occupational degree, transfer, or certificate programs).
2. Career and occupational goals (i.e., programmer, operations analyst, technical support, sales).

# Programs of Study

**Associate Degrees**

- Computer Information Systems, Associate of Science Degree (AS) (p. 225)
- Computer Information Systems, Associate of Science Degree (AS): Emphasis in System Administration (p. 226)

**Certificates of Achievement**

- Cloud Computing Architect, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/computer-information-systems/cloud-computing-architect-certificate-achievement/)
- Database Programming and Applications Development, Certificate of Achievement (C) (p. 227)
- IT Support Technician, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/computer-information-systems/it-support-technician-certificate-achievement/)
- PC Support and Network Management, Certificate of Achievement (C) (p. 228)
- Technical Writing, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/computer-information-systems/technical-writing-certificate-achievement/)

**Skills Competency Awards**

- Access SQL Professional, Skills Competency Award (SCA) (https://catalog.sbcc.edu/academic-departments/computer-information-systems/access-sql-professional-skills-competency-award/)
- Apple macOS Administration, Skills Competency Award (SCA) (p. 225)
- Data Analytics, Skills Competency Award (SCA)
- Information Technology Management, Skills Competency Award (SCA) (p. 227)
- Microsoft SQL Server Database Administration, Skills Competency Award (SCA) (p. 228)
- Microsoft Windows System Administration and Security, Skills Competency Award (SCA) (p. 228)
- Virtualization System Administration, Skills Competency Award (SCA) (p. 229)
- Web Server Administration, Skills Competency Award (SCA) (p. 229)

# Apple macOS Administration, Skills Competency Award (SCA)

## Overview

This program prepares students to administer Apple macOS X operating systems.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| CIS 111 | Computer User Support | 2 |
| CIS 112 | Help Desk Concepts | 2 |
| CIS 228 | Apple macOS System Administration | 4 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Install and configure Mac OS X on clients and servers.
2. Support Apple computers.

# Computer Information Systems, Associate of Science Degree (AS)

## Overview

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS courses prepare students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| CIS 107 | Introduction to Database Systems | 4 |
| CIS 119 | Introduction To Programming Using Visual Basic | 4 |
| CIS/ENG 181 | Technical And Professional Writing | 3 |
| CIS 201 | UNIX/LINUX System Administration | 4 |

| Code | Title | Units |
|---|---|---|
| or CIS 206 | MS Windows Server System Administration | |
| CIS 218 | MS Windows Desktop System Administration | 4 |
| CIS 243 | Systems Analysis and Design [1] | 4 |
| CIS 245 | IT Project Management | 3-4 |
| or CIS 246 | Management of Information Technology | |
| CNEE 110 | Networking Essentials | 4 |
| Optional: | | |
| CIS 290 | Work Experience In Computer Information Systems | |
| **Total Units** | | **34.00-35.00** |

[1]    Students who completed CIS 240 are not required to complete CIS 243 Systems Analysis and Design.

## Learning Outcomes

1. Describe the role of and explain the value of operating systems, databases, programming and project management in IT.
2. Participate on an IT project team as a programmer, database designer, or system administrator.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Information Systems, Associate of Science Degree (AS): Emphasis in System Administration

## Overview

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS courses prepare students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| CIS 114 | Virtualization Concepts | 2 |
| CIS/ENG 181 | Technical And Professional Writing | 3 |
| CIS 200 | Windows PowerShell | 2 |
| CIS 201 | UNIX/LINUX System Administration | 4 |
| or CIS 206 | MS Windows Server System Administration | |
| CIS 218 | MS Windows Desktop System Administration | 4 |
| CIS 245 | IT Project Management | 4 |
| CNEE 110 | Networking Essentials | 4 |
| COMP 101 | Introduction to Computer Applications | 4 |
| **Total Units** | | **31.00** |

## Learning Outcomes

1. Describe the role of and explains the value of operating systems, network technologies and system administration in IT.
2. Participate on an IT team at multiple levels, from help desk specialist, to system administrator, to project leader on system implementation.
3. Select and implement appropriate operating system and network technologies for an organization or business enterprise.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Data Analytics, Skills Competency Award (SCA)

## Overview

This program prepares students to work with data analytics tools used in enterprises.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 107 | Introduction to Database Systems | 2-4 |
| or CIS 117 | Introduction to SQL Programming | |

| Code | Title | Units |
|------|-------|-------|
| CIS 120 | Introduction to NoSQL Databases | 2 |
| CIS 239 | Crystal Reports | 2 |
| CIS 254 | MongoDB Design and Programming | 3 |
| CIS 255 | Apache Cassandra Design and Programming | 3 |
| **Total Units** | | **12.00-14.00** |

## Learning Outcomes

1. Demonstrate an understanding of NoSQL database models.
2. Implement a NoSQL database in the enterprise.
3. Explain ways to manage data in NoSQL databases.

# Database Programming and Applications Development, Certificate of Achievement (C)

## Overview

This certificate prepares students for employment as junior programmers, programmer/analysts, and systems analysts and designers. The areas of emphasis include Visual Basic, Access and SQL Server.

## Requirements

**Certificate of Achievement Requirements**

Complete all department requirements for the certificate with a C or better or "pass" in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| CIS 107 | Introduction to Database Systems | 4 |
| CIS 119 | Introduction To Programming Using Visual Basic | 4 |
| COMP 111 | Microsoft Access | 4 |
| Complete two courses from the following: | | 6-7 |
| CIS 231 | SQL Server Design And Programming | |
| CIS 234 | Oracle Design and Programming | |
| CIS 252 | MySQL Design and Programming | |
| CIS 254 | MongoDB Design and Programming | |
| CIS 255 | Apache Cassandra Design and Programming | |
| Complete six units from the following: | | 6-8 |
| CIS 120 | Introduction to NoSQL Databases | |
| CIS 232 | SQL Server Database Administration | |
| CIS 235 | Oracle PL/SQL Programming | |
| CIS 236 | Oracle Database Administration | |
| CIS 237 | Advanced SQL Programming | |
| CIS 238 | Data Warehousing SQL Server | |
| CIS 239 | Crystal Reports | |
| CIS 251 | Advanced SQL Server Programming | |

| Code | Title | Units |
|------|-------|-------|
| CIS 253 | Business Intelligence with Microsoft SQL Server | |
| **Total Units** | | **28.00-31.00** |

## Learning Outcomes

1. Create programs that reflect the use of modular design and incorporate event-driven and object-oriented approaches.
2. Use database management systems to retrieve discrete and aggregate data from databases and to insert, update and delete discrete data.
3. Create and implement well-designed databases to reflect enterprise needs.
4. Develop business applications using well-structured programs, normalized databases and a multi-tier architecture.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Information Technology Management, Skills Competency Award (SCA)

## Overview

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS courses prepare students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| BUS 101 | Introduction To Business | 3 |
| or MGMT 102 | Leadership in Organizations | |
| CIS 245 | IT Project Management | 4 |
| CIS 246 | Management of Information Technology | 3 |
| MGMT 101 | Introduction To Management | 3 |
| **Total Units** | | **13.00** |

## Learning Outcomes

1. Manage IT professionals.
2. Manage IT projects.

# Microsoft SQL Server Database Administration, Skills Competency Award (SCA)

## Overview

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS courses prepare students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| CIS 206 | MS Windows Server System Administration | 4 |
| CIS 231 | SQL Server Design And Programming | 3 |
| CIS 232 | SQL Server Database Administration | 3 |
| **Total Units** | | **10.00** |

## Learning Outcomes

1. Install, configure and administer SQL Server databases.

# Microsoft Windows System Administration and Security, Skills Competency Award (SCA)

## Overview

Upon completion of the Skills Competency Award in Microsoft Windows System Administration and Security, the following competencies will be achieved:

- Install, configure and administer Windows systems.
- Secure Windows systems

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| CIS 200 | Windows PowerShell | 2 |
| CIS 206 | MS Windows Server System Administration | 4 |
| CIS 213 | MS Exchange Server Administration | 3 |
| or CIS 222 | MS Azure Cloud Administration | |
| or CIS 263 | Microsoft System Center Configuration Manager Administration | |
| CIS 218 | MS Windows Desktop System Administration | 4 |
| CNEE 206 | MS Windows Network Infrastructure | 3 |
| **Total Units** | | **16.00** |

## Learning Outcomes

1. Install, configure and administer Windows systems.
2. Secure Windows systems.

# PC Support and Network Management, Certificate of Achievement (C)

This Certificate program provides training in preparation for immediate employment in a variety of information systems positions in business, government and industrial settings. It provides skills needed for career entry and/or advancement in such positions as business applications specialist, PC network support technician and information systems/database specialist.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| CIS 111 | Computer User Support | 2 |
| CIS 112 | Help Desk Concepts | 2 |
| CIS 114 | Virtualization Concepts | 2-3 |
| or CIS 115 | Cloud Computing Essentials | |
| or CIS 116 | Cloud Implementation | |
| CIS 200 | Windows PowerShell | 2 |
| CIS 201 | UNIX/LINUX System Administration | 3-4 |
| or CIS 219 | VMware vSphere System Administration | |
| or CIS 228 | Apple macOS System Administration | |
| CIS 206 | MS Windows Server System Administration | 4 |
| CIS 218 | MS Windows Desktop System Administration | 4 |
| CNEE 102 | A+ Computers and Network Support | 4 |

| CNEE 110 | Networking Essentials | 4 |
|---|---|---|
| COMP 101 | Introduction to Computer Applications | 4 |
| **Total Units** | | **35.00-37.00** |

**Optional:**

| Code | Title | Units |
|---|---|---|
| CIS 290 | Work Experience In Computer Information Systems | 1-4 |

## Learning Outcomes

1. Design, select and implement essential software, hardware and networking components to satisfy user needs in a business environment.
2. Install and administer desktop and server operating systems.
3. Communicate effectively with users to diagnose and resolve computer-related problems.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Virtualization System Administration, Skills Competency Award (SCA)

## Overview

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS courses prepare students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions.

This program provides students with skills in virtualization technologies.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 114 | Virtualization Concepts | 2 |
| CIS 201 | UNIX/LINUX System Administration | 4 |
| or CIS 206 | MS Windows Server System Administration | |
| CIS 219 | VMware vSphere System Administration | 3 |
| or CIS 222 | MS Azure Cloud Administration | |
| CIS 262 | VMware Desktop Administration | 3 |

| CNEE 125 | CCNAI-Introduction to Switching and Routing | 5 |
|---|---|---|
| **Total Units** | | **17.00** |

## Learning Outcomes

1. Install and configure virtual machines on the desktop.
2. Install and configure virtual machines on the server.
3. Install, configure, and manage virtualization software products.

# Web Server Administration, Skills Competency Award (SCA)

## Overview

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS courses prepare students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 201 | UNIX/LINUX System Administration | 4 |
| CIS 206 | MS Windows Server System Administration | 4 |
| CIS 224 | Apache Web Server Administration | 2 |
| CNEE 110 | Networking Essentials | 4 |
| CS 111 | HTML And Webmastering | 3 |
| **Total Units** | | **17.00** |

## Learning Outcomes

1. Install Web server software
2. Configure Web server software

# Computer Network Engineering

The field of computer-related technologies continues to evolve at an astounding pace. Fortunately, the Department of Computer Network Engineering provides direct access to the wide variety of exciting careers in this field. The department not only offers programs which meet the general needs of the industry, but also provides several unique specialty programs. Most programs may be completed for a highly specific technical Certificate, or taken along with General Education courses for the broader AS Degree.

The Computer Network Engineering Program prepares students to work in the area of network support, a field which currently commands excellent salaries. Students are given extensive training for many of the major industry certification exams: A+, Microsoft and Cisco. Graduates are currently working as LAN/WAN specialists, network administrators,

Internet/intranet administrators and network designers, and network engineers.

In addition to the Degree program, the department offers Skills Competency Awards for the CCNA and CCNP certifications.

Graduates from the Computer Network Engineering Department benefit greatly from the excellent reputation Santa Barbara City College has earned. In contrast to those with only highly specific training, the broad education received by our students makes them preferred job candidates with many local employers.

## Program Cost and Outcome

For planning purposes, the website below provides information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates: http://www.sbcc.edu/financialaid/gainfulemployment (http://www.sbcc.edu/financialaid/gainfulemployment/)

## Programs of Study

**Associate Degree**

  • Computer Network Engineering, Associate of Science (AS) (p. 230)

**Certificate of Achievement**

  • Computer Network Engineering,Certificate of Achievement (C) (p. 231)

**Skills Competency Award**

  • Cisco Networking Associate, Skills Competency Award (SCA) (p. 230)

# Cisco Networking Associate, Skills Competency Award (SCA)

## Overview

The field of computer-related technologies continues to evolve at an astounding pace. Fortunately, the Department of Computer Network Engineering provides direct access to the wide variety of exciting careers in this field. The department not only offers programs which meet the general needs of the industry, but also provides several unique specialty programs. Most programs may be completed for a highly specific technical Certificate, or taken along with General Education courses for the broader A.S. Degree.

The Computer Network Engineering program prepares students to work in the area of network support, a field which currently commands excellent salaries. Students are given extensive training for many of the major industry certification exams: A+, Microsoft, and Cisco. Graduates are currently working as LAN/WAN specialists, network administrators, Internet/intranet administrators and network designers, and network engineers.

In addition to the Degree program, the department offers Skills Competency Awards for the CCNA and CCNP certifications.

Graduates from the Computer Network Engineering Department benefit greatly from the excellent reputation Santa Barbara City College has earned. In contrast to those with only highly specific training, the broad

education received by our students makes them preferred job candidates with many local employers.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| CNEE 125 | CCNAI-Introduction to Switching and Routing [1] | 5 |
| CNEE 126 | CCNA II Advanced Routing and Switching [2] | 5 |
| **Total Units** | | **10.00** |

[1]  Students who completed CNEE 131 and CNEE 132 are exempt from taking CNEE 125 CCNAI-Introduction to Switching and Routing.

[2]  Students who completed CNEE 133 and CNEE 134 are exempt from taking CNEE 126 CCNA II Advanced Routing and Switching.

## Learning Outcomes

  1. Install cables for data networks.
  2. Configure a Cisco router
  3. Configure a Cisco switch and advanced router configuration
  4. Configure Wide Area Network links.

# Computer Network Engineering, Associate of Science (AS)

## Overview

The Computer Network Engineering program is for those wishing to enter the specialized field of computer network design and support.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

  1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
  2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
  3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
  4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
  5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
  6. A total of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| CIS 201 | UNIX/LINUX System Administration | 3-4 |

| | | |
|---|---|---|
| or CIS 206 | MS Windows Server System Administration | |
| or CIS 213 | MS Exchange Server Administration | |
| or CIS 219 | VMware vSphere System Administration | |
| CNEE 101 | Introduction to Computers and Networks | 4 |
| CNEE 102 | A+ Computers and Network Support | 4 |
| CNEE 106 | Telecommunications And WAN | 3 |
| CNEE 110 | Networking Essentials | 4 |
| CNEE 112 | Managing and Maintaining Computer Software - A+ | 3 |
| CNEE 120 | Introduction to Cybersecurity | 4 |
| CNEE 124 | IInternetworking with Tcp/Ip | 4 |
| CNEE 125 | CCNAI-Introduction to Switching and Routing [1] | 5 |
| CNEE 126 | CCNA II Advanced Routing and Switching [2] | 5 |
| CNEE 146 | CCNA Security - Firewalls and VPNs | 4 |
| CNEE 206 | MS Windows Network Infrastructure | 3 |
| **Total Units** | | **46.00-47.00** |

[1]  Students who completed CNEE 131 and CNEE 132 are exempt from taking CNEE 125 CCNAI-Introduction to Switching and Routing.

[2]  Students who completed CNEE 133 and CNEE 134 are exempt from taking CNEE 126 CCNA II Advanced Routing and Switching.

## Learning Outcomes

1. Apply basic computer hardware and software concepts to install, trouble-shoot and manage home and small business computer network systems.

2. Using appropriate IP addressing scheme and appropriate networking hardware and software, design, trouble-shoot and maintain a computer network infrastructure for small to medium size organizations.

3. Identify computer network security threats and vulnerabilities for a given network, choose appropriate network security hardware and software for a given security requirement, and apply necessary security measures to prevent a possible computer network compromise.

4. Given a computer network engineering problem, apply critical thinking, problem-solving techniques and effective communications skills to find solutions to the problem.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Network Engineering,Certificate of Achievement (C)

## Overview

The certificate in Computer Network Engineering is a program for those wishing to enter the specialized field of computer network design and support. Students may obtain the certificate as an intermediate step prior to receiving the A.S. Degree.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 201 | UNIX/LINUX System Administration | 3-4 |
| or CIS 206 | MS Windows Server System Administration | |
| or CIS 213 | MS Exchange Server Administration | |
| or CIS 219 | VMware vSphere System Administration | |
| CNEE 101 | Introduction to Computers and Networks | 4 |
| CNEE 102 | A+ Computers and Network Support | 4 |
| CNEE 106 | Telecommunications And WAN | 3 |
| CNEE 110 | Networking Essentials | 4 |
| CNEE 112 | Managing and Maintaining Computer Software - A+ | 3 |
| CNEE 120 | Introduction to Cybersecurity | 4 |
| CNEE 124 | IInternetworking with Tcp/Ip | 4 |
| CNEE 125 | CCNAI-Introduction to Switching and Routing [1] | 5 |
| CNEE 126 | CCNA II Advanced Routing and Switching [2] | 5 |
| CNEE 146 | CCNA Security - Firewalls and VPNs | 4 |
| CNEE 206 | MS Windows Network Infrastructure | 3 |
| **Total Units** | | **46.00-47.00** |

[1]  Students who completed CNEE 131 and CNEE 132 are exempt from taking CNEE 125 CCNAI-Introduction to Switching and Routing.

[2]  Students who completed CNEE 133 and CNEE 134 are exempt from taking CNEE 126 CCNA II Advanced Routing and Switching.

## Learning Outcomes

1. Apply basic computer hardware and software concepts to install, troubleshoot and manage home and small business computer network systems.

2. Using appropriate IP addressing scheme and appropriate networking hardware and software, design, troubleshoot, and maintain a computer network infrastructure for small to medium size organizations.

3. Identify computer network security threats and vulnerabilities for a given network, choose appropriate network security hardware and software for a given security requirement, and apply necessary security measures to prevent a possible computer network compromise.

4. Given a computer network engineering problem, apply critical thinking, problem solving techniques and effective communications skills to find solutions to the problem

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Computer Science

Computer science is a dynamic field which has broad impact across the entirety of the human experience. Everything from the phone in your pocket to space probes venturing out beyond the earth utilize the concepts and ideas of computer science. Never before in history has any single endeavor grown so fast or become so universally accepted, as computers are leading the way at the forefront of the technological revolution.

The Computer Science department at Santa Barbara City College is committed to helping students meet the challenges presented by this new technology. Our course offerings range from introductory to advanced topics, with a focus on transfer and occupational training. Our AS and AS-T degrees are designed to prepare students for employment or for transfer to both the CSU (https://www.calstate.edu/) and UC (https://www.universityofcalifornia.edu/) systems. Additionally, we also offer several skills competency awards which demonstrate proficiency in specific areas, such as mobile application or web development.

## Programs of Study

**Associate Degree for Transfer**

- Computer Science, Associate in Science for Transfer (AS-T) (https://catalog.sbcc.edu/academic-departments/computer-science/computer-science-ast/)

**Associate Degree**

- Computer Science, Associate of Science (AS) (p. 232)
- Data Science, Associate of Science (AS) (https://catalog.sbcc.edu/academic-departments/computer-science/data-science-as/)

**Certificate of Achievement**

- Computer Science, Certificate of Achievement (C) (p. 233)
- Data Science, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/computer-science/data-science-certificate-achievement/)

**Skills Competency Awards**

- Mobile Application Developer, Skills Competency Award (SCA) (p. 234)
- Software Engineering (SCA) (p. 234)

# Computer Science, Associate of Science (AS)

## Overview

Computer Science has grown dramatically over the last decade, until it now affects each of us in our daily lives.  We come into contact with dozens of different computer systems each day.  These range from automatic bank tellers and "intelligent" cash registers, to automobile fuel monitoring systems.
 The Computer Science Department teaches students how to design and implement the computer software that brings intelligence to computer systems.  Santa Barbara City College's Computer Science program includes introductory to advanced topics.  It is designed to provide general education, transfer and occupational training.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CS 105 | Theory and Practice I | 3 |
| CS 106 | Theory and Practice II | 3 |
| CS 107 | Computer Architecture and Organization | 3 |
| CS 108 | Discrete Structures | 4 |
| CS 140 | Object-Oriented Programming Using C ++ | 4 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| PHYS 121 | Mechanics Of Solids And Fluids | 5 |
| Complete at least 6 units from the following: | | 6-10 |
| CS 104 | Introduction to Programming | |
| CS 111 | HTML And Webmastering | |
| CS 115 | Javascript Programming | |

| | | |
|---|---|---|
| CS 116 | Web Server Programming | |
| CS 123 | Android Programming | |
| CS 130 | Introduction to the Linux Operating System | |
| CS 132 | Digital Logic Design | |
| CS 133 | Introduction to Programming for Engineers | |
| CS 137 | C Programming | |
| CS 165 | Software Design Patterns | |
| CS 180 | Software Engineering With UML | |
| CS 187 | iOS Programming | |
| CS 189 | Programming Practicum | |
| MATH 160 | Calculus with Analytic Geometry II | |
| MATH 200 | Multivariable Calculus | |
| MATH 210 | Linear Algebra | |
| MATH 220 | Differential Equations | |
| PHIL 205 | Introduction to Logic | |
| PHYS 122 | Electricity and Magnetism | |
| **Total Units** | | **33.00-37.00** |

*Note: MATH 250/MATH 260 may also count toward the elective requirement.*

## Learning Outcomes

1. Decompose problems into algorithms.
2. Use current computer applications
3. Create programs that use flow control and looping constructs (e.g. for and while).
4. Create programs that utilize standard data structures (e.g. queues and lists).
5. Create programs that use object-oriented concepts.
6. Create programs using current programming environments.
7. Describe computer architecture.
8. Deliver and test programs.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Computer Science, Certificate of Achievement (C)

## Overview

Computer Science has grown dramatically over the last decade, until it now affects each of us in our daily lives.  We come into contact with ten or more different computer systems each day.  These range from automatic bank tellers and "intelligent" cash registers, to automobile fuel monitoring systems.

The Computer Science Department teaches students how to design and implement the computer software that brings intelligence to computer systems.  Santa Barbara City College's Computer Science program includes introductory to advanced topics.  It is designed to provide general education, transfer and occupational training.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CS 101 | Computer Concepts | 4 |
| CS 105 | Theory and Practice I | 3 |
| CS 130 | Introduction to the Linux Operating System | 2.5 |
| CS 137 | C Programming | 3-4 |
| or CS 140 | Object-Oriented Programming Using C++ | |
| MATH 107 | Intermediate Algebra | 5 |
| PHIL 205 | Introduction to Logic | 3 |
| PHYS 102 | Introductory Physics For Science Majors | 4 |
| Complete two courses from the following: | | 6-7 |
| CS 106 | Theory and Practice II | |
| CS 107 | Computer Architecture and Organization | |
| CS 111 | HTML And Webmastering | |
| CS 137 | C Programming [1] | |
| CS 140 | Object-Oriented Programming Using C++ [1] | |
| **Total Units** | | **30.50-32.50** |

[1] CS 137 or 140 can only be used to meet this requirement if not used to satisfy a core requirement above (double-counting is not allowed).

## Learning Outcomes

1. Decompose problems into algorithms.
2. Use current computer applications
3. Create programs that use flow control and looping constructs (e.g. for and while).
4. Create programs that utilize standard data structures (e.g. queues and lists).
5. Create programs that use object-oriented concepts.
6. Create programs using current programming environments.
7. Describe computer architecture.
8. Deliver and test programs.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Mobile Application Developer, Skills Competency Award (SCA)

## Overview

Learn to develop applications for popular platforms such as iOS and Android.  The Mobile Application Developer Skills Competency Award provides students with skills needed to develop exciting user interfaces that access Internet-based data.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CS 105 | Theory and Practice I | 3 |
| CS 111 | HTML And Webmastering | 3 |
| CS 116 | Web Server Programming | 3 |
| CS 123 | Android Programming | 1.5 |
| CS 187 | iOS Programming | 3 |
| **Total Units** | | **13.50** |

## Learning Outcomes

1. Design and implement applications for the following mobile device platforms: Java ME, Microsoft Mobile, Flash Lite, and WML.
2. Develop applications that access XML documents and web services.
3. Develop games for mobile devices.
4. Develop graphical user interfaces that include form widgets and animations.
5. Deploy applications to mobile devices in a secure manner, via cable connection or over-the-air (OTA).
6. Create and deploy web services that are designed for consumption by mobile devices.

# Software Engineering, Skills Competency Award (SCA)

## Overview

The Software Engineering Skills Competency Award goes beyond programming to include engineering methodologies and hands-on project experience. The program introduces students to state-of-the-art methodologies, teamwork and project management skills.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CS 105 | Theory and Practice I | 3 |
| CS 106 | Theory and Practice II | 3 |
| CS 165 | Software Design Patterns | 1.5 |
| CS 180 | Software Engineering With UML | 3 |
| Complete one course from the following: | | 1.5-4 |
| CS 107 | Computer Architecture and Organization | |
| CS 108 | Discrete Structures | |
| CS 111 | HTML And Webmastering | |
| CS 115 | Javascript Programming | |
| CS 116 | Web Server Programming | |
| CS 123 | Android Programming | |
| CS 140 | Object-Oriented Programming Using C++ | |
| CS 187 | iOS Programming | |
| **Total Units** | | **12.00-14.50** |

## Learning Outcomes

1. Design and implement programming solutions to complex problems.
2. Develop software that can perform standard operations on data stored in the standard data structures.
3. Develop software that implements designs that incorporate standard design patterns.
4. Employ analytical methods to estimate the duration and cost of a software development project.
5. Use code versioning systems to manage changes to a code base.
6. Work in a team environment to implement project goals.

# Construction Technology

Construction Technology offers a series of carpentry courses, green-collar training courses and electrician trainee courses. CT 110 Beginning Construction, the introductory course, is open to all students.

The advanced Construction Technology carpentry courses—CT 111 Beginning Construction Trades, CT 112 Framing, CT 113 Roof Framing, CT 114 Beginning Finish Carpentry, CT 115 Intermediate Finish Carpentry CT 116 Blueprint Reading, and CT 118 Measuring and Calculating—are designed for students who have completed CT 110 Beginning Construction, or those with a minimum of one year of carpentry experience.

CT 122 Building Green, CT 124 Building Performance and CT 125 Introduction to Photovoltaic Systems do not require any previous building classes.

Santa Barbara City College (Division of Apprenticeship Standards, Electricians Certification Unit Approved School #138) offers four Electrician Trainee courses as a "partial" General Electrician curriculum.

The courses—Blueprint Reading for Electricians, Electrical Mathematics and Introduction to *National Electrical Code*—are designed for students working as electricians who want to prepare for the state certification exam and those required to be enrolled in order to continue working for a C-10 electrical contractor's license.

For further information concerning the carpentry courses or the Electrician Trainee courses, contact Dr. Alan Price, Dean, Educational Programs, aprice3@sbcc.edu.

# Programs of Study

### Associate Degree

- Construction Technology, Associate of Science (AS) (p. 235)

### Certificate of Achievement

- Construction Technology, Certificate of Achievement (C) (p. 235)

# Construction Technology, Associate of Science (AS)

## Overview

The need for residential and commercial construction is a fact of every society. With local, state, and national infrastructure (creation and maintenance) falling behind, the construction trades will more and more be in demand. With the "Green" or Sustainability direction the country is going in now, training in green job skills is imperative. And with the recent application of building science to the construction industry, new building performance standards will have to be learned by all workers, contractors, and designers.

Santa Barbara City College's Construction Technology Department offers comprehensive training for entry level positions in industry, mid-level and advanced training for incumbent workers, and green building and building science training for architects contractors, and those entering the construction trades. Full credit is granted for each course successfully completed. Students who complete the 41.1 units of required Construction Technology courses earn a Certificate of Achievement in Construction Technology.

Those who also complete Institutional and General Education course requirements earn the Associate in Science degree in Construction Technology. The department offers all courses with an open-door policy- both for majors and non-majors.

## Requirements

### Associate Degree Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| CT 110 | Beginning Construction | 4.7 |
| CT 111 | Beginning Construction Trades | 4.7 |
| CT 112 | Framing | 3 |
| CT 113 | Roof Framing | 3 |
| CT 114 | Beginning Finish Carpentry | 3 |
| CT 115 | Intermediate Finish Carpentry | 3 |
| CT 116 | Blueprint Reading | 3 |
| CT 118 | Measuring and Calculating | 3 |
| CT 122 | Building Green | 6 |
| CT 124 | Building Performance | 3 |
| **Total Units** | | **36.40** |

## Learning Outcomes

1. Demonstrate knowledge of component systems of typical residence.
2. Build a typical construction structure (wall, roof, cabinet, etc.).
3. Install typical construction trim (fascia, base, crown, etc.).
4. Demonstrate understanding of the necessity and components of building science and green building.
5. Use construction tools safely and efficiently.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Construction Technology, Certificate of Achievement (C)

## Overview

The need for residential and commercial construction is a fact of every society.  With local, state, and national infrastructure (creation and maintenance) falling behind, the construction trades will more and more be in demand.  With the "Green" or Sustainabililty direction the country is going in now, training in green job skills is imperative.  And with the recent application of building science to the construction industry, new building performance standards will have to be learned by all workers, contractors, and designers.

Santa Barbara City College's Construction Technology Department offers comprehensive training for entry-level positions in industry, mid-level and advanced training for encumbent workers, and green building and building science training for architects, contractors, and those entering the construction trades.

Full credit is granted for each course successfully completed.  Students who complete the 41.1 units of required Construction Technology courses earn a Certificate of Achievement in Construction Technology.  Those who also complete Institutional and General Education course

requirements earn the Associate in Science degree in Construction Technology.  The department offers all courses with an open-door policy--both for majors and non-majors.

# Requirements

### Certificate of Achievement Requirements

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| CT 110 | Beginning Construction | 4.7 |
| CT 111 | Beginning Construction Trades | 4.7 |
| CT 112 | Framing | 3 |
| CT 113 | Roof Framing | 3 |
| CT 114 | Beginning Finish Carpentry | 3 |
| CT 115 | Intermediate Finish Carpentry | 3 |
| CT 116 | Blueprint Reading | 3 |
| CT 118 | Measuring and Calculating | 3 |
| CT 122 | Building Green | 6 |
| CT 124 | Building Performance | 3 |
| **Total Units** | | **36.40** |

# Learning Outcomes

1. Use construction tools safely and efficiently.
2. Demonstrate knowledge of component systems of typical residences.
3. Build a typical construction structure (wall, roof, cabinet, etc.).
4. Install typical construction trim (fascia, base, crown, flooring, etc.).
5. Demonstrate understanding of the necessity and components of building science and green building.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Cosmetology

The program is designed to prepare students for the Board of Barbering and Cosmetology Exam and a career as a cosmetologist. Instruction includes: basic hair styling, manicuring, facials, and make-up.

### Application Procedures
1. Submit a Cosmetology Academy Information & Application packet at www.sbcc.edu/cosmetology. New classes begin throughout the academic year; starting dates are listed in the packet and on our website.
2. Apply for Admission to SBCC 721 Cliff Drive, in the Student Services Building or online.
3. After notification of eligibility, attend the mandatory Cosmetology Academy orientation meeting.  Placement will be based on space

availability, college registration and attendance at the mandatory meeting.
4. Students are advised to meet with an academic counselor to discuss General Education and complete admission requirements.

### Cosmetology Program
The Cosmetology Program includes five consecutive 8 week modules.

Upon successful completion of these modules, students will be eligible to apply for the California State Board Cosmetology license examination and launch into a career as a Cosmetologist.

To qualify for the State Board Exam, the graduate must be 17 years or older, have completed the minimum program requirements, have proof of completing at least the 10th grade and legal proof as a California resident.

### Esthetician Program
The Esthetician Program includes 2 consecutive 8 week modules. Admittance to the Esthetician program is the same process as the Cosmetology program.

Upon successful completion of the program, students will be eligible to apply for the California State Board Esthetician license examination and launch into a career as an Esthetician.

To qualify for the State Board Exam, the graduate must be 17 or older, have completed the minimum program requirements, have proof of completing at least the 10th grade and legal proof as a California resident.

# Programs of Study

### Associate Degree

- Cosmetology, Associate of Science (AS) (p. 236)

### Certificate of Achievement

- Cosmetology, Certificate of Achievement (C) (p. 237)

### Skills Competency Awards

- Esthetician, Skills Competency Award (SCA): Level 1 (p. 238)
- Esthetician, Skills Competency Award (SCA): Level 2 (p. 238)

# Cosmetology, Associate of Science (AS)

Cosmetology offers a lucrative, exciting and growth-filled future for the alert and ambitious man or woman.  If you appreciate personal fashion and grooming, the latest hair styles and skin care, are self-motivated, and enjoy being around people, cosmetology training could be your key to a rewarding career.

 The 1800-hour Cosmetology Program at Santa Barbara City College prepares students to take the final examination given by the State Board of Cosmetology for California licensure.

 APPLICATION PROCEDURES
Step 1: Obtain a Cosmetology Academy Information & Application packet at www.sbcc.edu/cosmetology or from the SBCC Cosmetology Academy 525 Anacapa Street. New classes begin throughout the academic year; starting dates are listed in the packet and on our website.

Step 2: Apply for Admission to SBCC 721 Cliff Drive, in the Student Services Building.  Obtain an assessment test date when you submit your application to the college.

Step 3: Mail or deliver to the Academy a completed Cosmetology Application Form.

Step 4: After notification of eligibility, attend the mandatory Cosmetology Academy orientation meeting.  Placement will be based on space availability and application delivery or postmark date.

Step 5: Students are advised to meet with an academic counselor to discuss General Education requirements.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CSMT 121 | Introduction to Cosmetology-Module 1 | 6.7 |
| CSMT 122 | Introduction to Cosmetology-Module 2 | 6.7-9.4 |
| or CSMT 112A & CSMT 112B | Introduction to Cosmetology Clinic A and Introduction to Cosmetology Clinic B | |
| CSMT 123 | Introduction to Cosmetology-Module 3 | 6.7-9.4 |
| or CSMT 113A & CSMT 113B | Fundamentals of Cosmetology Clinic A and Fundamentals of Cosmetology Clinic B | |
| CSMT 124 | Introduction to Cosmetology-Module 4 | 6.7-9.4 |
| or CSMT 114A & CSMT 114B | Intermediate Cosmetology Clinic A and Intermediate Cosmetology Clinic B | |
| CSMT 125 | Introduction to Cosmetology-Module 5 | 6.7-9.4 |
| or CSMT 115A & CSMT 115B | Advanced Cosmetology Clinic A and Advanced Cosmetology Clinic B | |
| **Total Units** | | **33.50-44.30** |

# Learning Outcomes

1. Apply principles of shampooing, hair shaping and hair styling.
2. Apply permanent waves, chemical relaxing and soft curls.

3. Analyze scalp and hair with ability to identify scalp conditions, diseases, parasites and disorders.
4. Apply all phases of hair coloring and lightening.
5. Practice safety and sanitary practices and procedures at all times.
6. Practice mock State Board practical and written examinations.
7. Understand and execute all lengths and styles of haircuts.
8. Apply gel nails and acrylic nails.
9. Complete a basic facial.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Cosmetology, Certificate of Achievement (C)

Cosmetology offers a lucrative, exciting and growth-filled future for the alert and ambitious man or woman.  If you appreciate personal fashion and grooming, the latest hair styles and skin care, are self-motivated, and enjoy being around people, cosmetology training could be your key to a rewarding career.

The 1800-hour Cosmetology Program at Santa Barbara City College prepares students to take the final examination given by the State Board of Cosmetology for California licensure.

APPLICATION PROCEDURES
Step 1: Obtain a Cosmetology Academy Information & Application packet at www.sbcc.edu/cosmetology or from the SBCC Cosmetology Academy 525 Anacapa Street. New classes begin throughout the academic year; starting dates are listed in the packet and on our website.

Step 2: Apply for Admission to SBCC 721 Cliff Drive, in the Student Services Building.  Obtain an assessment test date when you submit your application to the college.

Step 3: Mail or deliver to the Academy a completed Cosmetology Application Form.

Step 4: After notification of eligibility, attend the mandatory Cosmetology Academy orientation meeting.  Placement will be based on space availability and application delivery or postmark date.

Step 5: Students are advised to meet with an academic counselor to discuss General Education requirements.
Certificate Requirements

# Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in all courses required for the certificate.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CSMT 121 | Introduction to Cosmetology-Module 1 | 6.7 |
| CSMT 122 | Introduction to Cosmetology-Module 2 | 6.7-9.4 |
| or CSMT 112A & CSMT 112B | Introduction to Cosmetology Clinic A and Introduction to Cosmetology Clinic B | |
| CSMT 123 | Introduction to Cosmetology-Module 3 | 6.7-9.4 |
| or CSMT 113A & CSMT 113B | Fundamentals of Cosmetology Clinic A and Fundamentals of Cosmetology Clinic B | |
| CSMT 124 | Introduction to Cosmetology-Module 4 | 6.7-9.4 |
| or CSMT 114A & CSMT 114B | Intermediate Cosmetology Clinic A and Intermediate Cosmetology Clinic B | |
| CSMT 125 | Introduction to Cosmetology-Module 5 | 6.7-9.4 |
| or CSMT 115A & CSMT 115B | Advanced Cosmetology Clinic A and Advanced Cosmetology Clinic B | |
| **Total Units** | | **33.50-44.30** |

## Learning Outcomes

1. Apply principles of shampooing, hair shaping and hair styling.

2. Apply permanent waves, chemical relaxing and soft curls.

3. Analyze scalp and hair with ability to identify scalp conditions, diseases, parasites and disorders.

4. Apply hair coloring and chemical lightner.

5. Practice safety and sanitary practices and procedures at all times.

6. Practice mock State Board practical and written examinations.

7. Apply business practices in regards to salon finance management, retail sales, marketing, taxes and client management.

8. Understand and execute all lengths and styles of haircuts.

9. Apply gel nails and acrylic nails.

10. Complete a basic facial.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Esthetician, Skills Competency Award (SCA): Level 1
## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CSMT 131 | Esthetician Training-Module 1 | 8 |
| **Total Units** | | **8.00** |

## Learning Outcomes

1. Demonstrate basic manipulative skills required for successful practice in esthetics.
2. Recognize techniques, safety precautions, and products used in performance of services rendered in a skin care establishment.
3. Identify related information necessary for intelligent use of products, choices of appropriate treatments, etc.
4. Recognize the importance of the rules and regulations issued by the Board of Barbering and Cosmetology.
5. Describe personal health, community health, and safety.
6. Develop self-confidence and correct attitude in client relationship.
7. Practice satisfactory work habits.
8. Be aware of professional trade ethics and job responsibilities
9. Demonstrate problem-solving skills.
10. Demonstrate responsibility for self-development, self-discipline.
11. Establish criteria for professional image.
12. Develop individual responsibility.
13. Promote ability to work as a team.

# Esthetician, Skills Competency Award (SCA): Level 2
## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CSMT 132 | Esthetician Training-Module 2 | 8 |
| **Total Units** | | **8.00** |

## Learning Outcomes

1. Practice basic manipulative skills required for successful practice in esthetics.
2. Demonstrate techniques, safety precautions, and products used in performance of services rendered in a skin care establishment.
3. Recognize and apply related information necessary for intelligent use of products, choices of appropriate treatments, etc.
4. Interpret rules and regulations issued by the Board of Barbering and Cosmetology.
5. Demonstrate personal and community health and safety.
6. Employ self-confidence and correct attitude in client relationship.
7. Exemplify satisfactory work habits.
8. Apply professional trade ethics and job responsibilities.
9. Model problem solving skills.
10. Demonstrate responsibility for self- development and self-discipline.

11. Demonstrate criteria for professional image.
12. Participate as a team player.
13. Exhibit individual responsibility.

# Culinary Arts and Hotel Management

The School of Culinary Arts and Hotel Management Program develops skills and competencies for positions in the hospitality industry. This unique program mirrors industry standards by providing training in a realistic work environment. Students have the option of selecting either hotel or restaurant/culinary program tracks.

The School of Culinary Arts and Hotel Management Program provides students with measurable outcomes through training in the Cafeteria, Gourmet Dining Room and Coffee Shop, and through catering, purchasing and receiving services, utilizing state-of-the-art equipment.

Instructors possessing industry-recognized credentials and having years of experience direct each operation. The program is recognized nationally as a leading center for culinary and hospitality training.

## Programs of Study

### Associate Degrees

- Advanced Culinary Arts, Associate of Science (AS) (https://catalog.sbcc.edu/academic-departments/culinary-arts-hotel-management/advanced-culinary-arts-as/)
- Hospitality, Associate of Science (AS) (p. 240)

### Certificates of Achievement

- Advanced Culinary Arts, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/culinary-arts-hotel-management/advanced-culinary-arts-certificate-achievement/)
- Hospitality, Certificate of Achievement (C) (p. 241)
- Professional Food Service (C) (https://catalog.sbcc.edu/academic-departments/culinary-arts-hotel-management/professional-food-service-certificate-achievement/)

### Skills Competency Awards

- Baking and Pastry, Skills Competency Award (SCA) (p. 239)
- Hospitality Operations Specialist, Skills Competency Award (SCA) (p. 239)
- Human Resource Hospitality Specialist, Skills Competency Award (SCA) (p. 241)
- Personal Chef Training, Skills Competency Award (SCA) (p. 242)

# Baking and Pastry, Skills Competency Award (SCA)

## Overview

The School of Culinary Arts and Hotel Management Program develops skills and competencies for positions in the hospitality industry. This unique program mirrors industry standards by providing training in a realistic work environment. Students have the option of selecting either hotel or restaurant/ culinary program tracks.

The School of Culinary Arts and Hotel Management Program provides students with measurable outcomes through training in the Cafeteria, Gourmet Dining Room and Coffee Shop, and through Catering, Purchasing and Receiving services, utilizing state-of-the-art equipment.

Instructors possessing industry-recognized credentials and having years of experience direct each operation. The program is certified by the American Culinary Federation, and is recognized nationally as a leading center for hospitality training.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CA 113 | Hospitality Sanitation And Safety | 2 |
| CA 124 | Principles of Baking | 2 |
| CA 214 | Advanced Artisan Baking | 2 |
| CA 270 | Advanced Pastry Arts | 2 |
| **Total Units** | | **8.00** |

## Learning Outcomes

1. Demonstrate proper sanitation and safety procedures.
2. Demonstrate proper use of bakery equipment - ovens, mixers.
3. Describe the bread making process – 12 steps.
4. Demonstrate the ability to prepare yeast dough products.
5. Prepare classical and modern pastries.

# Hospitality Operations Specialist, Skills Competency Award (SCA)

## Overview

The School of Culinary Arts and Hotel Management Program develops skills and competencies for positions in the hospitality industry. This unique program mirrors industry standards by providing training in a realistic work environment. Students have the option of selecting either hotel or restaurant/ culinary program tracks.

The School of Culinary Arts and Hotel Management Program provides students with measurable outcomes through training in the Cafeteria, Gourmet Dining Room and Coffee Shop, and through Catering, Purchasing and Receiving services, utilizing state-of-the-art equipment.

Instructors possessing industry-recognized credentials and having years of experience direct each operation. The program is certified by the American Culinary Federation, and is recognized nationally as a leading center for hospitality training.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| HM 150 | Hospitality Law | 3 |
| HM 151 | Front Office Operations | 3 |
| or HM 152 | Housekeeping Operations | |
| or HM 153 | Food And Beverage Operations | |
| HM 258 | Security And Loss Management | 3 |
| **Total Units** | | **9.00** |

## Learning Outcomes

1. Describe and analyze the laws that impact the hospitality industry.
2. Describe and demonstrate effective security and loss management practices.
3. Describe the operations of one of the three major departments of the hospitality industry (Front Office, Housekeeping, or Food and Beverage.
4. Demonstrate a mastery of the skills necessary to supervise the operations of this department.

# Hospitality, Associate of Science (AS)

## Overview

The Hospitality Program is designed to offer students an in depth introduction to a career in Hotel and Hospitality Management.  The program is designed to allow students to further their immediate job skills as well as achieve the ability to transfer to four year institutions.  Students who successfully complete the required HM course final examinations will be awarded an American Hotel and Lodging Association (AH & LA) course certificate for each course.  Additionally, students who successfully complete all eight of the required HM course final examinations will earn the prestigious Hospitality Operations Certificate from the AH & LA.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| ACCT 110 | Introduction to Accounting | 4 |
| BUS 101 | Introduction To Business | 2-3 |
| or FIN 101 | Introduction To Finance And Banking | |
| or IBUS 102 | Introduction to International Business | |
| or CA 111 | Hospitality Controls | |
| CA 113 | Hospitality Sanitation And Safety | 2 |
| CA 117A | Hotline Kitchen Fundamentals | 2-4 |
| or CA 124 | Principles of Baking | |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| HM 290 | Hotel Work Experience | 3-4 |
| Complete 4 courses from the following: | | 12 |
| HM 150 | Hospitality Law | |
| HM 151 | Front Office Operations | |
| HM 152 | Housekeeping Operations | |
| HM 153 | Food And Beverage Operations | |
| HM 256 | Supervision In The Hospitality Industry | |
| HM 257 | Hospitality Sales and Marketing | |
| HM 258 | Security And Loss Management | |
| HM 259 | Training And Development Skills For Hospitality Professionals | |
| **Total Units** | | **29.00-33.00** |

## Learning Outcomes

1. Be proficient at an entry level supervision position and have broad knowledge and experience in all subject areas the program.
2. Know and enforce laws specific to the hospitality industry.
3. Demonstrate mastery of front office operations both with customer service, technology and reporting expectations.
4. Organize and be able to manage or work in a housekeeping department, demonstrate effective and efficient ways of cleaning, create productivity reports and staff schedules.
5. Demonstrate knowledge of food and beverage operations by creating operational plans, inventory, storage, food safety, staffing, cuisine, alcohol laws.
6. Create a sales and marketing plan and be able to train staff on customer service.
7. Prepare an emergency plan and train staff in its implementation. Demonstrate the ability to minimize loss.
8. Create and implement training programs.
9. Demonstrate proficiency in language, technical and computational skills.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Hospitality, Certificate of Achievement (C)

Comprised of intensive eight-week courses, part-time students who enroll in two courses per semester will be able to complete the certificate in two years. Those who enroll full-time will be able to complete both the certificate and the degree in two years.

Fully accredited by the American Hotel and Lodging Association (AH and LA), students will receive AH and LA course certificates for each course they successfully complete. Students who earn this SBCC certificate will also qualify for the Hospitality Operations Certificate from the AH and LA.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ACCT 110 | Introduction to Accounting | 4 |
| BUS 101 | Introduction To Business | 2-3 |
| or FIN 101 | Introduction To Finance And Banking | |
| or IBUS 102 | Introduction to International Business | |
| or CA 111 | Hospitality Controls | |
| CA 113 | Hospitality Sanitation And Safety | 2 |
| CA 117A | Hotline Kitchen Fundamentals | 2-4 |
| or CA 124 | Principles of Baking | |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| HM 290 | Hotel Work Experience | 3-4 |
| Complete 4 courses from the following: | | 12 |
| HM 150 | Hospitality Law | |
| HM 151 | Front Office Operations | |
| HM 152 | Housekeeping Operations | |
| HM 153 | Food And Beverage Operations | |
| HM 256 | Supervision In The Hospitality Industry | |
| HM 257 | Hospitality Sales and Marketing | |
| HM 258 | Security And Loss Management | |
| HM 259 | Training And Development Skills For Hospitality Professionals | |
| **Total Units** | | **29.00-33.00** |

## Learning Outcomes

1. Be proficient at an entry level supervision position and have broad knowledge and experience in all subject areas the program.
2. Know and enforce laws specific to the hospitality industry.
3. Demonstrate mastery of front office operations both with customer service, technology and reporting expectations.
4. Organize and be able to manage or work in a housekeeping department, demonstrate effective and efficient ways of cleaning, create productivity reports and staff schedules.
5. Demonstrate knowledge of food and beverage operations by creating operational plans, inventory, storage, food safety, staffing, cuisine, alcohol laws.
6. Create a sales and marketing plan and be able to train staff on customer service.
7. Prepare an emergency plan and train staff in its implementation. Demonstrate the ability to minimize loss.
8. Create and implement training programs.
9. Demonstrate proficiency in language, technical and computational skills.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Human Resource Hospitality Specialist, Skills Competency Award (SCA)

## Overview

The School of Culinary Arts and Hotel Management Program develops skills and competencies for positions in the hospitality industry. This unique program mirrors industry standards by providing training in a realistic work environment. Students have the option of selecting either hotel or restaurant/ culinary program tracks.

The School of Culinary Arts and Hotel Management Program provides students with measurable outcomes through training in the Cafeteria, Gourmet Dining Room and Coffee Shop, and through Catering, Purchasing and Receiving services, utilizing state-of-the-art equipment.

Instructors possessing industry-recognized credentials and having years of experience direct each operation. The program is certified by the American Culinary Federation, and is recognized nationally as a leading center for hospitality training.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| HM 256 | Supervision In The Hospitality Industry | 3 |
| HM 257 | Hospitality Sales and Marketing | 3 |
| HM 259 | Training And Development Skills For Hospitality Professionals | 3 |
| **Total Units** | | **9.00** |

## Learning Outcomes

1. Demonstrate effective communications, coaching, training, and conflict management.
2. Describe and demonstrate effective hiring, training, and evaluating practices.
3. Describe and demonstrate effective sales and customer service practices.

# Personal Chef Training, Skills Competency Award (SCA)

## Overview

The School of Culinary Arts and Hotel Management Program develops skills and competencies for positions in the hospitality industry. This unique program mirrors industry standards by providing training in a realistic work environment. Students have the option of selecting either hotel or restaurant/ culinary program tracks.

The School of Culinary Arts and Hotel Management Program provides students with measurable outcomes through training in the Cafeteria, Gourmet Dining Room and Coffee Shop, and through Catering, Purchasing and Receiving services, utilizing state-of-the-art equipment.

Instructors possessing industry-recognized credentials and having years of experience direct each operation. The program is certified by the American Culinary Federation, and is recognized nationally as a leading center for hospitality training.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| CA 113 | Hospitality Sanitation And Safety | 2 |
| CA 117 | Culinary Fundamentals I | 2 |
| CA 124 | Principles of Baking | 2 |
| CA 201 | Wines | 2 |
| **Total Units** | | **8.00** |

## Learning Outcomes

1. Demonstrate proper use of food service equipment (meat slicer, buffalo chopper, grill, broiler, dish machine, ovens, fryers).
2. Demonstrate the bread making process – 12 steps.
3. Set a table correctly for wine service.
4. Demonstrate effective wine storage and purchasing.

# Disability Services and Programs for Students (DSPS)

**(Also see DSPS under "**Student Services **(**p. 31**)."**)

Santa Barbara City College welcomes students with disabilities. The college has established the Office of Disability Services and Programs for Students to provide educational accommodations and support services for students with disabilities enrolled in SBCC courses, as follows:

- Support the participation of students with disabilities in all educational activities consistent with the mission of community colleges.

- Determine eligibility for educational accommodations and services through the interactive process and the review of disability verification.

- Provide educational accommodations and services such as disability-related counseling, extended time on tests, priority registration, alternate media, assistive technology, and auxiliary aides.

- Provide reasonable educational accommodations for students with disabilities while maintaining the fundamental nature of college programs and services.

- Provide programs and services for students with disabilities, in compliance with laws and regulations such as the Americans with Disabilities Act, Section 504 and 508 of the Rehabilitation Act, the California Community Colleges Title 5 regulations, and policies and procedures adopted by the Board of Trustees of the Santa Barbara Community College District.

SBCC invites students to request educational accommodations or DSPS services by contacting the DSPS Office, Room SS-160, or by calling (805) 730-4164 (voice) or dspshelp@sbcc.edu.

# Drafting/Computer-Aided Design

The 21st century is witnessing a rapid growth in science, engineering and technology. This will require society to read, write and draw the language of technology—*drafting*.

Drafting is used in a wide variety of business, industrial, professional and governmental activities, including the following:

- Anthropology
- Archeology
- Architecture
- Art—Design
- Automotive Services
- Computer Drafting
- Computer Science
- Electronics
- Engineering
- Environmental Studies
- Geology/Geography
- Graphics—Design
- Industrial Technology
- Interior Design
- Landscape Architecture
- Landscape Horticulture
- Machine Shop/Welding
- Mapping
- Marine Diving Technology
- Mathematics—Applied
- Mechanical/Elect. Systems

- Physics—Applied
- Surveying
- Technical Illustration

Santa Barbara City College's Drafting/CAD Department offers comprehensive training for entry-level positions. California certificated and professionally experienced instructors teach all departmental courses, with heavy emphasis on the laboratory use of modern drafting equipment.

Full college credit is granted for each course successfully completed. Students who complete the 31.0 units of required Drafting/CAD courses and the controlled electives earn a Certificate of Achievement in Drafting/CAD. Those who also complete institutional and General Education course requirements earn the Associate in Science Degree in Drafting/CAD. The department offers all courses with an open-door policy—both for majors and non-majors.

## Programs of Study

### Associate Degree

- Drafting/CAD, Associate of Science (AS) (p. 243)

### Certificate of Achievement

- Drafting/CAD, Certificate of Achievement (C) (p. 244)

# Drafting/CAD, Associate of Science (AS)

## Overview

The Drafting Program at Santa Barbara City College focuses on application of state-of-the-art Computer-Aided Design Systems and applying engineering and architectural principles, fundamentals, and methods to achieve practical results. This degree program offers comprehensive training for entry-level drafting positions as well as providing students with technical knowledge and skills for transfer to upper division programs at four-year institutions.

## Requirements

### Associate Degree Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| DRFT 101 | Basic Drafting | 3 |
| DRFT 130 | Computer-Assisted Drafting And Design I | 5 |
| DRFT 131 | Computer-Assisted Drafting And Design II | 5 |
| Complete 15 units of Drafting electives from the following: [1] | | 15 |
| DRFT 120 | Architectural Drafting I | |
| DRFT 121 | Architectural Drafting II | |
| DRFT 124 | Architectural Rendering I | |
| DRFT 125 | Architectural Rendering II | |
| DRFT/EH 126 | Landscape Drafting I | |
| DRFT/EH 127 | Landscape Drafting II | |
| DRFT 129 | Principles Of Residential Construction | |
| DRFT 132 | CAD Drafting/Design III | |
| DRFT 290 | Work Experience In Drafting [1] | |
| DRFT 299 | Independent Study In Drafting | |
| ENGR 105 | Engineering Graphics | |
| MAT 136 | Introduction to 3D Animation | |
| MAT 137 | Visual Effects for Film, Television and Gaming | |
| MAT 138 | 3-D Character Animation | |
| Complete 3 units of Controlled Electives from the above list of Drafting Electives or from the following: [1] | | 3 |
| ENGR 115 | Statics And Strength Of Materials | |
| ENGR 117 | Electronic Circuits [2] | |
| ENGR 117L | Electronic Circuits Laboratory | |
| **Total Units** | | **31.00** |

[1] DRFT 290 may be taken up to four times for a maximum of 4 units each time. Students may use a maximum of 16 units of DRFT 290 to satisfy the 18 units of drafting and controlled electives required for the degree.

[2] ENGR 140 will also satisfy this requirement.

## Learning Outcomes

1. Ability to prepare and understand technical drawings.
2. Ability to use computer software to generate technical drawings.
3. Obtain occupational knowledge and skills related to drafting.
4. Understand methods, materials and technical skills related to design and construction.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Drafting/CAD, Certificate of Achievement (C)

## Overview

The one-year Drafting Certificate Program focuses on application of state-of-the-art Computer Assisted Design (CAD) systems and applying engineering and architectural principles, fundamentals, and methods to achieve practical results. This program offers comprehensive training for entry-level drafting positions.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| DRFT 101 | Basic Drafting | 3 |
| DRFT 130 | Computer-Assisted Drafting And Design I | 5 |
| DRFT 131 | Computer-Assisted Drafting And Design II | 5 |
| Complete 15 units of Drafting electives from the following: | | 15 |
| DRFT 120 | Architectural Drafting I | |
| DRFT 121 | Architectural Drafting II | |
| DRFT 124 | Architectural Rendering I | |
| DRFT 125 | Architectural Rendering II | |
| DRFT/EH 126 | Landscape Drafting I | |
| DRFT/EH 127 | Landscape Drafting II | |
| DRFT 129 | Principles Of Residential Construction | |
| DRFT 132 | CAD Drafting/Design III | |
| DRFT 290 | Work Experience In Drafting [1] | |
| DRFT 299 | Independent Study In Drafting | |
| ENGR 105 | Engineering Graphics | |
| MAT 136 | Introduction to 3D Animation | |
| MAT 137 | Visual Effects for Film, Television and Gaming | |
| MAT 138 | 3-D Character Animation | |
| Complete 3 units of Controlled electives from the above list of Drafting Electives or from the following: | | 3 |
| ENGR 115 | Statics And Strength Of Materials | |
| ENGR 117 | Electronic Circuits [2] | |
| ENGR 117L | Electronic Circuits Laboratory | |
| **Total Units** | | **31.00** |

[1]  DRFT 290 may be taken up to four times for a maximum of 4 units each time.  Students may use a maximum of 16 units of DRFT 290 to satisfy the 18 units of drafting and controlled electives required for the degree.

[2]  ENGR 140 also satisfies this requirement.

## Learning Outcomes

1. Ability to prepare and understand technical drawings.
2. Ability to use computer software to generate technical drawings.
3. Obtain occupational knowledge and skills related to drafting.
4. Understand methods, materials and technical skills related to design and construction.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Early Childhood Education

The Early Childhood Education Program at Santa Barbara City College centers around the continuing experience of supervised teaching, combined with intensive classroom instruction. Basic principles of early childhood education, including curriculum for preschools, school age programs and care-giving for infant centers, are introduced. In-depth study of observation, assessment, health, safety and nutrition are also introduced.

Throughout, there is considerable emphasis placed on developing professional interaction styles consistent with fostering positive staff relationships, communication and collaboration with parents, knowledge of community resources, and multicultural awareness of the diverse populations with whom the student will work.

The ECE Program is coordinated with the child development major offered by several state universities which dovetails, in turn, with undergraduate and graduate work leading to advanced degrees in Early Childhood Education.

## Programs of Study

**Associate Degree for Transfer**

- Early Childhood Education, Associate in Science for Transfer (AS-T) (p. 247)

**Associate Degree**

- Early Childhood Education, Associate of Science (AS) (p. 246)

**Certificates of Achievement**

- Early Childhood Education, Certificate of Achievement (C) (p. 247)
- Associate Child Care Teacher, Certificate of Achievement (C) (p. 245)
- Diversity Issues in ECE, Certificate of Achievement (C) (p. 245)
- Infant/Toddler Development, Certificate of Achievement (C) (p. 248)
- School-Age Care, Certificate of Achievement (C) (p. 249)

# Associate Child Care Teacher, Certificate of Achievement (C)

## Overview

The Early Childhood Education Degree Program at Santa Barbara City College centers around the continuing experience of supervised teaching, combined with intensive classroom instruction. Basic principles of early childhood education and child development, including curriculum for preschools, school age programs and care-giving for infant centers, are introduced. In-depth study of observation, assessment, health, safety, and nutrition are also introduced.

Throughout, there is considerable emphasis placed on developing professional interaction styles consistent with fostering positive staff relationships, communication and collaboration with parents, knowledge of community resources, and multicultural awareness of the diverse populations with whom the student will work.

Student teaching is carried out in two laboratory programs. Both laboratory programs, one for preschool children and one for infants and toddlers, are located at Kinko's Early Learning Center, 365 Loma Alta, near the college's main campus. Other opportunities for student teaching in a variety of community settings are available after meeting other criteria. Upon completion of the program and depending on demonstrated ability, the student is qualified to work as an associate teacher or teacher in almost any child development program in California. Additional courses are available to meet the requirements for director or site supervisor positions.

The ECE Program is coordinated with the child development major offered by several state universities which dovetails, in turn, with undergraduate and graduate work leading to advanced degrees in Early Childhood Education.

Many students find that teaching at this level is a deeply satisfying occupation, which, when done well, contributes substantially to the healthy growth of young children and their families. The field continues to be an expanding one and many jobs for qualified people exist in Santa Barbara, California, and throughout the nation.

Information about the program or about course sequence or selection can be obtained by contacting the faculty listed on this page.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ECE 102 | Child, Family and Community | 3 |
| ECE 120 | Child Growth and Development/ Educators | 3 |
| or PSY 140 | Child Development | |
| ECE 290 | Work Experience In Early Childhood Education | 3-5 |
| or ECE 103 | Foundations of ECE I Principles | |
| Complete two courses from the following: | | 6-8 |
| ECE 104 | Foundations of ECE II Practicum | |
| ECE 108 | Creative Learning and Curriculum | |
| ECE 115 | Children's Literature | |
| ECE 121 | Health, Safety And Nutrition For Young Children | |
| ECE 123 | Children with Special Needs | |
| ECE 124 | Working With School-Age Children | |
| ECE 128 | Observation and Assessment | |
| ECE 129 | ECE Special Education | |
| ECE 132 | Teaching in a Diverse Society | |
| **Total Units** | | **15.00-19.00** |

## Learning Outcomes

1. Discuss the diverse needs, characteristics and multiple influences on the development of children, birth through age eight, as related to high quality care and education.
2. Using observation skills, design, implement and evaluate environments and curriculum activities that support positive, developmental play and learning for all young children.
3. Identify and implement effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
4. Recognize ethical standards and demonstrate professional behaviors that deepen understanding, knowledge and commitment to the Early Childhood Education profession

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Diversity Issues in ECE, Certificate of Achievement (C)

Exceptional career opportunities for teachers and associate teachers in bilingual/bicultural early childhood settings are increasing with the state's growing diversity. This certificate can be earned concurrently with the Early Childhood Education certificate. See Department Chair for details.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ECE 102 | Child, Family and Community | 3 |
| ECE 103 | Foundations of ECE I Principles | 5 |
| ECE 104 | Foundations of ECE II Practicum | 5 |
| ECE 108 | Creative Learning and Curriculum | 3 |
| ECE 109 | Family-Teacher-Child Relationships | 3 |
| ECE 120 | Child Growth and Development/ Educators | 3 |

| | | |
|---|---|---|
| or PSY 140 | Child Development | |
| ECE 121 | Health, Safety And Nutrition For Young Children | 3 |
| ECE 128 | Observation and Assessment | 3 |
| ECE 131 | The Developing Bilingual Child | 3 |
| ECE 132 | Teaching in a Diverse Society | 3 |
| **Total Units** | | **34.00** |

*Note: Forty-five half-days of student teaching in an ECE Department-approved site must be completed for the Certification of Achievement.*

## Learning Outcomes

1. Work effectively with families.
2. Demonstrate effective parent/child support. Identify the social and cultural factors influencing each child's development.
3. Work effectively with children to help them to resolve adjustment difficulties and mature successfully.
4. Identify health and safety issues, guidelines and procedures for insuring infection control, common disease identification, proper nutrition guidelines and immunization information.
5. Demonstrate effective caregiving to infants and toddlers. Identify diversity issues common in the ECE field.
6. Demonstrate knowledge of stages of multi-language development in young children and enhancement strategies for the classroom.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Early Childhood Education, Associate of Science (AS)

## Overview

This program centers around the continuing experience of supervised teaching combined with intensive classroom instruction.  Basic principles of early childhood education and child development, including curriculum for preschools and caregiving for infant centers are introduced the first year.  In depth study of language and cognitive processes of young children and an introduction to exceptionality is the focus of the second year.  Throughout, there is considerable emphasis placed on developing personal interaction styles consistent with fostering good staff relations, knowledge of community resources, and awareness of and sensitivity to the diverse populations with whom the student will work.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:

   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ECE 102 | Child, Family and Community | 3 |
| ECE 103 | Foundations of ECE I Principles | 5 |
| ECE 104 | Foundations of ECE II Practicum | 5 |
| ECE 108 | Creative Learning and Curriculum | 3 |
| ECE 120 | Child Growth and Development/ Educators | 3 |
| or PSY 140 | Child Development | |
| ECE 121 | Health, Safety And Nutrition For Young Children | 3 |
| ECE 128 | Observation and Assessment | 3 |
| ECE 132 | Teaching in a Diverse Society | 3 |
| **Total Units** | | **28.00** |

***Note: Forty-five half-days of student teaching in an ECE Department-approved site is required.***

**Recommended Support Courses***

| Code | Title | Units |
|---|---|---|
| BIOL 100 | Concepts Of Biology | 4 |
| COMP 101 | Introduction to Computer Applications | 4 |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| PHSC 103 | The Physical Universe | 4 |
| POLS 101 | American Government And Politics | 3 |

*\*One semester of a foreign language is also recommended.*

## Learning Outcomes

1. Discuss the diverse needs, characteristics and multiple influences on the development of children, birth through age eight, as related to high quality care and education.

2. Using observation skills, design, implement and evaluate environments and curriculum activities that support positive, developmental play and learning for all young children.

3. Identify and implement effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.

4. Develop and implement strategies that promote partnerships between programs, teachers, families, and their diverse communities.

5. Recognize ethical standards and demonstrate professional behaviors that deepen understanding, knowledge and commitment to the Early Childhood Education profession.

6. Apply written and verbal communication skills and research practices to discuss relevant and accurate information related to General Education courses.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Early Childhood Education, Associate in Science for Transfer (AS-T)

Students who complete the AS-T in Early Childhood Education will achieve the following competencies: Child Development and Learning; Culture, Diversity, and Equity; Relationships, Interactions, and Guidance; Family and Community Engagement; Dual-Language Development; Observation, Screening, Assessment, and Documentation; Special Needs and Inclusion; Learning Environments and Curriculum; Health, Safety and Nutrition; Leadership in Early Childhood Education; Professionalism; and Administration and Supervision.

The Associate in Science for Transfer degree in Early Childhood Education provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ECE 102 | Child, Family and Community | 3 |
| ECE 103 | Foundations of ECE I Principles | 5 |
| ECE 104 | Foundations of ECE II Practicum | 5 |
| ECE 108 | Creative Learning and Curriculum | 3 |
| ECE 120 | Child Growth and Development/ Educators | 3 |
| ECE 121 | Health, Safety And Nutrition For Young Children | 3 |
| ECE 128 | Observation and Assessment | 3 |
| ECE 132 | Teaching in a Diverse Society | 3 |
| **Total Units** | | **28.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Discuss the diverse needs, characteristics and multiple influences on the development of children, birth through age eight, as related to high quality care and education.
2. Using observation skills, design, implement and evaluate environments and curriculum activities that support positive, developmental play and learning for all young children.
3. Identify and implement effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
4. Develop and implement strategies that promote partnerships between programs, teachers, families, and their diverse communities.
5. Recognize ethical standards and demonstrate professional behaviors that deepen understanding, knowledge and commitment to the Early Childhood Education profession.
6. Apply written and verbal communication skills and research practices to discuss relevant and accurate information related to General Education courses.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Early Childhood Education, Certificate of Achievement (C)

## Overview

This program centers around the continuing experience of supervised teaching combined with intensive classroom instruction.  Basic principles of early childhood education and child development, including curriculum for preschools and caregiving for infant centers are introduced the first year.  In depth study of language and cognitive processes of young children and an introduction to exceptionality is the focus of the second year.  Throughout, there is considerable emphasis placed on developing personal interaction styles consistent with fostering good staff relations, knowledge of community resources, and awareness of and sensitivity to the diverse populations with whom the student will work.

# Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| ECE 102 | Child, Family and Community | 3 |
| ECE 103 | Foundations of ECE I Principles | 5 |
| ECE 104 | Foundations of ECE II Practicum | 5 |
| ECE 108 | Creative Learning and Curriculum | 3 |
| ECE 120 | Child Growth and Development/Educators | 3 |
| or PSY 140 | Child Development | |
| ECE 121 | Health, Safety And Nutrition For Young Children | 3 |
| ECE 128 | Observation and Assessment | 3 |
| ECE 132 | Teaching in a Diverse Society | 3 |
| **Total Units** | | **28.00** |

*Note: Forty-five half-days of student teaching in an ECE Department-approved site must be completed for the Certificate of Achievement.*

**Recommended Support Courses\***

| Code | Title | Units |
|------|-------|-------|
| BIOL 100 | Concepts Of Biology | 4 |
| COMP 101 | Introduction to Computer Applications | 4 |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| PHSC 103 | The Physical Universe | 4 |
| POLS 101 | American Government And Politics | 3 |

*\*One semester of a foreign language is also recommended.*

## Learning Outcomes

1. Discuss the diverse needs, characteristics and multiple influences on the development of children, birth through age eight, as related to high quality care and education.
2. Using observation skills, design, implement and evaluate environments and curriculum activities that support positive, developmental play and learning for all young children.
3. Identify and implement effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.
4. Develop and implement strategies that promote partnerships between programs, teachers, families and their diverse communities.
5. Recognize ethical standards and demonstrate professional behaviors that deepen understanding, knowledge and commitment to the Early Childhood Education profession.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Infant/Toddler Development, Certificate of Achievement (C)

## Overview

This certificate program is designed for students who wish to work with infants and toddlers and their families in public and private child development programs.The course work offers both theoretical background and practical experience in infant/toddler education and the development and caregiving of infants and toddlers.

This program centers around the continuing experience of supervised teaching combined with intensive classroom instruction.  Basic principles of early childhood education and child development, including curriculum for preschools and caregiving for infant centers are introduced the first year.  In depth study of language and cognitive processes of young children and an introduction to exceptionality is the focus of the second year.Throughout, there is considerable emphasis placed on developing personal interaction styles consistent with fostering good staff relations, knowledge of community resources, and awareness of and sensitivity to the diverse populations with whom the student will work.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| ECE 102 | Child, Family and Community | 3 |
| ECE 103 | Foundations of ECE I Principles | 5 |
| ECE 104 | Foundations of ECE II Practicum | 5 |
| ECE 108 | Creative Learning and Curriculum | 3 |
| ECE 120 | Child Growth and Development/Educators | 3 |
| or PSY 140 | Child Development | |
| ECE 121 | Health, Safety And Nutrition For Young Children | 3 |
| ECE 128 | Observation and Assessment | 3 |
| ECE 132 | Teaching in a Diverse Society | 3 |
| ECE 141 | Development And Caregiving Of Infants And Toddlers | 3 |
| ECE 142 | Infant/Toddler Socialization | 3 |
| **Total Units** | | **34.00** |

*Note: Forty-five half-days of student teaching in an ECE Department–approved infant/toddler site must be completed for the Certificate of Achievement.*

## Learning Outcomes

1. Discuss the diverse needs, characteristics and multiple influences on the development of children, birth through age eight, as related to high quality care and education.

2. Using observation skills, design, implement and evaluate environments and curriculum activities that support positive, developmental play and learning for all young children.

3. Identify and implement effective guidance and interaction strategies that support all children's social learning, identity and self-confidence.

4. Develop and implement strategies that promote partnerships between programs, teachers, families, and their diverse communities.

5. Recognize ethical standards and demonstrate professional behaviors that deepen understanding, knowledge and commitment to the Early Childhood Education profession.

6. Apply written and verbal communication skills and research practices to discuss relevant and accurate information related to General Education courses.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# School-Age Care, Certificate of Achievement (C)
## Overview

This program centers around the continuing experience of supervised teaching combined with intensive classroom instruction.  Basic principles of early childhood education and child development, including curriculum for preschools and caregiving for infant centers are introduced the first year.  In depth study of language and cognitive processes of young children and an introduction to exceptionality is the focus of the second year.  Throughout, there is considerable emphasis placed on developing personal interaction styles consistent with fostering good staff relations, knowledge of community resources, and awareness of and sensitivity to the diverse populations with whom the student will work.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ECE 102 | Child, Family and Community | 3 |
| ECE 107 | Administration Of Child Development Programs I | 3 |
| ECE 109 | Family-Teacher-Child Relationships | 3 |
| ECE 120 | Child Growth and Development/Educators | 3 |
| or PSY 140 | Child Development | |
| ECE 124 | Working With School-Age Children | 3 |

| Code | Title | Units |
| --- | --- | --- |
| ED 101 | Introduction To Teaching And Learning In K-12 Education | 3 |
| **Total Units** | | **18.00** |

*Note: Forty-five half-days of student teaching in an ECE Department-approved school-age site must be completed for the Certificate of Achievement. Pediatric first aid/CPR certification is also required.*

## Learning Outcomes

1. Discuss the diverse needs, characteristics and multiple influences on the development of children ages 5 through 8 as related to high quality care and education.

2. Using observation skills, design, implement, and evaluate environments and curriculum activities that support positive , developmental play and learning for all school-age children.

3. Identify and implement effective guidance and interactions strategies that support all children's social learning, identity and self-confidence.

4. Develop and implement strategies that promote partnerships between school-age programs, teachers, families and their diverse communities.

5. Recognize ethical standards and demonstrate professional behaviors that deepen understanding, knowledge, and commitment to the Early Childhood Education profession.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Earth and Planetary Sciences

Earth and Planetary Sciences is the department for explorers! You can study Earth and beyond through programs in Astronomy, Geology, Geography, and Environmental Studies. Each of these programs contains one or more majors and supports the student body by providing popular and transferable introductory level physical and social science courses.

Earth Scientists study mountain building, rivers and groundwater, oceans and the atmosphere and the connections between them, and the history of earth and the life it supports. Geographers study how Earth processes and resources vary spatially over the globe and influence society. Students of Environmental Studies explore how Earth processes affect human populations and how people are changing our planet. Astronomers explore how Earth's trajectory through our solar system affects life on Earth, the possibility of life elsewhere, and the origins of our universe.

Courses include Astronomy, Geology, Physical and Human Geography, GIS, Weather and Climate, and even Black holes. Earth and planetary scientists pursue lucrative and rewarding careers protecting society from debris flows and earthquakes, finding and responsibly utilizing Earth's mineral and energy resources, modeling climate change and understanding its impact on people, and improving social justice. See the EPS department website (http://www.sbcc.edu/earthscience/) for more information.

**The Astronomy Major**

Astronomy has played an important role in the development of modern science and technology. Astronomers study the formation, chemistry, composition, and evolution of celestial objects. Modern astronomers work with advanced technology and instrumentation to study planets, stars galaxies, nebulae, black holes, and the universe itself. Students take astronomy courses to prepare for a major in astronomy, or to fulfill general education requirements in related fields, or to prepare for various vocational jobs as technicians for high-tech industries. Graduates with a bachelor's degree in astronomy pursue careers as museum and planetarium directors, astronomers/astrophysicists, space scientists, mission data analysts, spacecraft and instrument designers, teachers, observatory technicians, telescope operators, electronics technicians, computer programmers, or to work in the fields of optics, mathematics, electronics, or computer programming.

For more information on the Astronomy program visit http://www.sbcc.edu/earthscience/astronomy.php

**The Geography Major**

Geography is the science of space and place. Geographers study spatial distributions and relations within Earth's human-environment systems, incorporating historic and contemporary human activities within the context of the biophysical and cultural environments, and the emergence of humanity as one of the major agents of change on Earth. The geography program exposes students to many of the tools and technologies employed by earth science professionals, including Geographic Information Systems (GIS) and Global Positioning Systems (GPS). The Associate in Arts Degree in Geography provides for a liberal education and prepares one for positions in business, government, environmental consulting, resource management, teaching, the technology sector, and service in foreign areas.

For more information on the Geography program visit http://www.sbcc.edu/geography/

**The Geology Major**

Geology is a multi-disciplinary science that applies biology, chemistry, physics, mathematics and engineering to the natural world around us. The rich variety of its fields of study includes oceanography, paleontology, geophysics, geochemistry, hydrogeology, engineering geology, environmental geology and more. That is what makes geology an exciting and challenging major for students with broad scientific interests and a love for natural systems, environments and our planet's history.

Geology majors gain scientific observational reasoning, communication skills and an understanding of geological concepts and history. This blend of interpretive scientific ability and historical perspective gives geologists an important role in society. They apply their skills and knowledge to solve complex problems related to human interaction with natural systems, hazards and resources, and to communicate solutions and options to the public.

Geology majors may choose between two AS degrees, one designed for students seeking the minimum requirements for transfer to a CSU, and the other to provide a deeper dive into the geosciences that gives students robust preparation for transfer anywhere.

**Planning a Program of Study**

Careers in the earth and planetary sciences are increasingly dependent upon completion of one year of calculus, college chemistry and college physics, along with a sound foundation in the earth sciences. The student is therefore urged to plan a program to ensure the orderly completion of the required courses outside the earth sciences. Students having deficiencies, particularly in mathematics, should correct these deficiencies early in their programs.

Not all courses in the Department of Earth and Planetary Sciences are offered each semester. Courses currently offered only during the Fall Semester are ERTH 125 (https://catalog.sbcc.edu/search/?P=ERTH%20125) Mineralogy and Resources, ERTH 114 (https://catalog.sbcc.edu/search/?P=ERTH%20114) The Geology Of California, and ERTH 131 (https://catalog.sbcc.edu/search/?P=ERTH%20131) Geologic Field Studies - Eastern Sierra Nevada.

Courses currently offered only during the Spring Semester are ERTH 126 (https://catalog.sbcc.edu/search/?P=ERTH%20126) Petrology and Rock-Forming Minerals, ERTH 113 (https://catalog.sbcc.edu/search/?P=ERTH%20113) Geology of National Parks, and ERTH 132 (https://catalog.sbcc.edu/search/?P=ERTH%20132) Geologic Field Studies - Death Valley.

Our longer field courses are offered only in the summers and some are staggered in alternating summers: ERTH 133 (https://catalog.sbcc.edu/search/?P=ERTH%20133) Introductory Geologic Field Seminar - Colorado Plateau is offered in Summer session I, ERTH 137 (https://catalog.sbcc.edu/search/?search=erth+137&context=catalog) and 138 (https://catalog.sbcc.edu/search/?search=erth+138&context=catalog) Introductory Field Geology and Geology Field Camp, which are offered only in odd-year summers over summer sessions I and II, and ERTH 134 (https://catalog.sbcc.edu/search/?search=erth+134&context=catalog) Geologic Field Studies - Western Sierra Nevada, which is offered only in even-year summers during summer session II.

# Programs of Study

**Associate Degrees for Transfer**

**Associate Degrees**

# Astronomy, Associate of Science (AS)

## Overview

Astronomy has played an important role in the development of modern science and technology.  Astronomers study the formation, chemistry, composition, and evolution of celestial objects.  Modern astronomers work with advanced technology and instrumentation to study planets, stars galaxies, nebulae, black holes, and the universe itself.  Students take astronomy courses to prepare for a major in astronomy, or to fulfill general education requirements in related fields, or to prepare for various vocational jobs as technicians for high-tech industries.  Graduates with a bachelor's degree in astronomy pursue careers as museum and

planetarium directors, astronomers/astrophysicists, space scientists, mission data analysts, spacecraft and instrument designers, teachers, observatory technicians, telescope operators, electronics technicians, computer programmers, or to work in the fields of optics, mathematics, electronics, or computer programming.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CHEM 155 | General Chemistry I | 5 |
| CS 105 | Theory and Practice I | 3-4 |
| or CS 133 | Introduction to Programming for Engineers | |
| or CS 137 | C Programming | |
| or CS 140 | Object-Oriented Programming Using C++ | |
| ERTH 101 | Introductory Astronomy | 3-4 |
| or ERTH 101H | Introductory Astronomy, Honors | |
| ERTH 102 | Observational Astronomy Laboratory | 1 |
| ERTH 106 | Black Holes and the Universe [1] | 3-4 |
| or ERTH 111 | Dynamic Earth - Physical Geology | |
| or ERTH 111H | Dynamic Earth - Physical Geology, Honors | |
| or ERTH 141 | Physical Geography | |
| or GEOG 101 | Physical Geography | |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| PHYS 121 | Mechanics Of Solids And Fluids | 5 |
| PHYS 122 | Electricity and Magnetism | 5 |
| PHYS 123 | Heat, Light and Modern Physics | 5 |
| **Total Units** | | **40.00-43.00** |

[1] Students interested in pursuing a degree in astronomy with an astrophysics emphasis should take ERTH 106. Students interested in pursuing a degree in astronomy with planetary emphasis should take either ERTH 111 (or 111H) or ERTH 141 (or GEOG 101).

## Learning Outcomes

1. Recognize how science works, the scientific method, the reliance on logic, critical thinking, data analysis and interpretation, cause and effect relationships.
2. Research historical facts that reveal the human dilemmas, the moral and ethical issues in science.
3. Learn the facts, and classify information, physical properties, and attributes of objects being studied.
4. Recognize famous theories, fields of study, scientific developments, milestones in science.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Geological Sciences, Associate of Science (AS)

## Overview

Geologic science is the science of the earth. It is an organized body of knowledge about the earth or planet on which we live - about the mountains, the plains, the oceans, and the atmosphere. It studies the effects of geologic hazards, such as earthquakes, landslides, floods and volcanic eruptions. It also addresses the ways to conserve and protect the world's fragile geologic environment.

Planetary science concerns itself with the study of the origin of galaxies and the universe, along with the laws which order these systems and bodies.

Note: All courses in the Department of Earth and Planetary Sciences are not offered each semester.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ERTH 111 | Dynamic Earth - Physical Geology | 3-4 |
| or ERTH 111H | Dynamic Earth - Physical Geology, Honors | |
| ERTH 111L | Dynamic Earth - Physical Geology Laboratory | 1 |
| ERTH 112 | History Of The Earth | 3 |
| ERTH 112L | Historical Geology Laboratory | 1 |
| ERTH 125 | Mineralogy and Resources | 5 |
| ERTH 126 | Petrology and Rock-Forming Minerals | 5 |
| CHEM 155 | General Chemistry I | 5 |
| CHEM 156 | General Chemistry II | 5 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| Complete 4 units from the following: | | 4-4.5 |
| ERTH 131 | Geologic Field Studies - Eastern Sierra Nevada | |
| ERTH 132 | Geologic Field Studies - Death Valley | |
| ERTH 133 | Introductory Geologic Field Seminar - Colorado Plateau | |
| ERTH 134 | Geologic Field Studies - Western Sierra Nevada | |
| ERTH 137 | Introductory Field Geology | |
| ERTH 138 | Geology Field Camp | |
| ERTH 231A | Field Study - Mineralogy and Mineral Resources of the Eastern Sierra Nevada | |
| ERTH 231B | Field Study - Energy Resources of the Eastern Sierra Nevada | |
| ERTH 232A | Field Study - Petrology of the Death Valley Region | |
| ERTH 232B | Field Study - Mineral Resources and Plate Tectonic History of the Death Valley Region | |
| ERTH 233 | Advanced Geologic Field Seminar - Colorado Plateau | |
| **Total Units** | | **37.00-38.50** |

**Recommended for Transfer**

These additional courses should be considered when planning a program of study for transfer as a geology major.

| Code | Title | Units |
|---|---|---|
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| PHYS 102 | Introductory Physics For Science Majors | 4 |

## Learning Outcomes

1. Evaluate earth processes and/or earth history, using earth materials and geologic principles.
2. Classify and interpret rocks, minerals and fossils.

3. Recognize and assess geologic processes in the field.
4. Read and interpret geologic data.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Geology, Associate in Science for Transfer (AS-T)

The Earth and Planetary Sciences department strives to provide our students with the educational background necessary to pursue a successful career and to successfully transition into a 4-year academic program. Earth and planetary science is for explorers! Their discoveries are worlds away and also next door. They study mountains and plains, oceans and atmosphere, the history of the earth and the life it supports, and the origins of the universe. At Santa Barbara City College, Earth and Planetary Sciences students can choose from a wide variety of courses, including Geology, Geography, Oceanography, Meteorology, Astronomy and Geographic Information Systems (GIS). All are designed to prepare them for exciting and rewarding careers.

The Associate in Science for Transfer degree in Geology provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Requirements**

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CHEM 155 & CHEM 156 | General Chemistry I and General Chemistry II | 10 |
| ERTH 111 | Dynamic Earth - Physical Geology | 3-4 |
| or ERTH 111H | Dynamic Earth - Physical Geology, Honors | |

| | | |
|---|---|---|
| ERTH 111L | Dynamic Earth - Physical Geology Laboratory | 1 |
| ERTH 112 | History Of The Earth | 3 |
| ERTH 112L | Historical Geology Laboratory | 1 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| **Total Units** | | **28.00-29.00** |

## Learning Outcomes

1. Evaluate earth processes and/or earth history, using earth materials and geologic principles
2. Classify and interpret rocks, minerals and fossils.
3. Recognize and assess geologic processes in the field.
4. Read and interpret geologic data.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Education
## Program Description

The Turner Teacher Education Program is designed to provide an introduction to the teaching profession. ED 101 Introduction To Teaching And Learning In K-12 Education will provide an opportunity to explore teaching as a career while working toward an Associate in Arts Degree in Liberal Studies. Included is a combination of in-class theory and information about teaching, along with an opportunity to intern with a local school.

# Engineering

Engineering involves the application of science, mathematics, and technology to solve and analyze a wide range of problems. In today's society, engineering specialties include civil, electrical, mechanical, chemical, materials, industrial, aeronautical, environmental, and computer engineering, among others. In general, engineers participate in the activities which make the resources of nature available in a form beneficial to society and provide systems that will perform optimally and economically.

The Engineering transfer program at Santa Barbara City College provides lower-division engineering coursework equivalent to the first two years of education at a 4-year university leading to a Bachelor of Science Degree. At Santa Barbara City College, all Engineering transfer students major in Engineering and do not declare a specific branch of engineering study until after they have transferred to a 4-year university. An Associate in Science and an Associate in Arts may also be obtained.

## Programs of Study
**Associate Degrees**

- Engineering, Associate of Arts or Science (AA/AS) (p. 253)

# Engineering, Associate of Arts or Science (AA/AS)
## Overview

Engineering is the profession in which the physical, biological, and social sciences are applied to solve practical problems for the benefit of society. As an engineering student, you will learn to observe and describe problems that deal with human needs and to seek useful solutions to these problems. Your skills upon graduation will be useful to you not only as an engineer, but also as a professional in management, sales, operations, manufacturing and other fields.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CHEM 155 | General Chemistry I | 5 |
| ENGR 101 | Introduction To Engineering | 2 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 200 | Multivariable Calculus [1] | 4 |
| MATH 210 | Linear Algebra [1] | 4 |
| PHYS 121 | Mechanics Of Solids And Fluids | 5 |
| PHYS 122 | Electricity and Magnetism | 5 |
| Complete one course from the following: | | 4 |
| ENGR 115 | Statics And Strength Of Materials [2] | |
| ENGR 117 & 117L | Electronic Circuits and Electronic Circuits Laboratory [2,3] | |
| Complete at least 3 additional courses from the following: | | 9-15 |
| CHEM 156 | General Chemistry II | |
| CS 105 | Theory and Practice I | |
| CS 107 | Computer Architecture and Organization | |
| CS 137 | C Programming | |

| | | |
|---|---|---|
| DRFT 130 | Computer-Assisted Drafting And Design I | |
| ENGR 105 | Engineering Graphics | |
| ENGR 115 | Statics And Strength Of Materials [2] | |
| ENGR 116 | Dynamics | |
| ENGR 117 & 117L | Electronic Circuits and Electronic Circuits Laboratory [2,3] | |
| MATH 220 | Differential Equations [4] | |
| PHYS 123 | Heat, Light and Modern Physics | |
| **Total Units** | | **48.00-54.00** |

[1]  MATH 250 satisfies this requirement.

[2]  A course may not be used to satisfy more than one requirement (double counting not allowed).

[3]  ENGR 140 will also satisfy this requirement. Students who completed ENGR 141 in addition to ENGR 140 can also use this course to satisfy an additional elective requirement.

[4]  MATH 260 may also count toward the elective requirement.

## Learning Outcomes

1. Knowledge of the engineering profession, and the engineering analysis and design process.
2. Utilize mathematical analysis and graphical methods to solve engineering problems.
3. Demonstrate proficiency in the application and use of engineering software and laboratory equipment.
4. Develop teamwork and technical writing skills to be successful on an engineering design team.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# English as a Second Language (ESL)

The English as a Second Language Program offers classes to resident and international students who are learning English as a second or other language. SBCC credit ESL classes help students develop the language and academic skills necessary to help them meet their life, career, and academic goals.

ESL classes are offered from beginning to advanced levels necessary to enter community college classes in English and take other college classes. The program helps students develop their reading, writing, speaking and listening skills in English and also offers classes that focus on specific skills that support learning such as: grammar and editing, basic computer skills for writing, conversation practice, listening, speaking and notetaking for academic courses, and English to enter specific career programs such as Early Childhood Education and Environmental Horticulture.

Incoming credit ESL students take part in a placement process in order to determine their appropriate ESL level. Students don't need to take the TOEFL and will be ready to enroll in college-level courses when they complete the ESL Program.

# English, Composition and Literature

The English Program at Santa Barbara City College has been developed with the following vision as its guiding principle:  to provide to all matriculating students an education that encompasses foundational skills for employment and for all of their college and university learning.  The skills include composition and critical thinking, both of which further their ability to participate knowledgeably in the social dialogue of our times.  The study of literature in its various forms of fiction, non-fiction, drama, and poetry enlarges students' cognitive abilities and connects them to the larger discourse relating to human experience and values.

A product of this vision and the Program's curricula is a student body that is curious, self-directed in inquiry, and engaged with ideas--historical, contemporary, artistic and social. The Program thus serves the individual student, the academic community, and society at large. The reading and writing components of the Program not only promote the critical thinking skills necessary for analysis but also develop understanding of diverse cultures, traditions, and histories.

The freshman English courses (ENG 110 (https://catalog.sbcc.edu/search/?P=ENG%20110) Composition and Reading and ENG 111 (https://catalog.sbcc.edu/search/?P=ENG%20111) Critical Thinking and Composition Through Literature) provide students with the foundation in college writing and research to promote their individual growth and to enhance their ability to succeed in their further education or in their work-certificate goals. In addition, sophomore literature courses satisfy the requirements for the English major and also attract and motivate students to become acquainted with important and exciting works of art. They also fulfill the General Education requirements for students enrolled in degree and transfer programs.  Since one important goal of our English Program is to foster creativity and imaginative endeavors so necessary in the life of the mind and the spirit, our department also offers Creative Writing courses and the option to earn a Creative Writing Certificate.

## Programs of Study

**Associate Degree for Transfer**

- English, Associate in Arts for Transfer (AA-T) (p. 257)

**Associate Degree**

- English, Associate of Arts (AA) (p. 256)

**Certificates of Achievement**

- Creative Writing, Certificate of Achievement (C): General Emphasis (p. 254)
- Creative Writing, Certificate of Achievement (C): Professional Writing Emphasis (p. 255)

# Creative Writing, Certificate of Achievement (C): General Emphasis

There are two emphases in earning the Creative Writing Certificate.

1. The **General Writing** emphasis will enhance students' abilities as creative writers and help them market and publish their work.

2. The **Professional Writing** emphasis focuses on applied areas of study, such as screenwriting, technical writing, journalism and non-fiction.

The Certificate in Creative Writing requires a total of 18 units. Students must take both core courses (6 units), then 4 courses from their selected track–Creative Writing Emphasis or Professional Writing Emphasis (12 units), with the possibility of substituting two of those courses from the elective list (see below). Each emphasis has a list of recommended electives. During the semester that a student receives the Creative Writing Certificate, she or he should present a public reading of no less than twenty minutes as arranged with an English Department faculty member who regularly teaches creative writing courses.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Courses: | | |
| ENG 110 | Composition and Reading | 4 |
| or ENG 110H | Composition and Reading, Honors | |
| ENG 270 | Introduction to Creative Writing | 3 |
| General Emphasis Requirements - Complete the following four courses (students may substitute two of the courses from the list of electives below for two of these four General Emphasis courses): | | 12-14 |
| ENG 271D | Creative Writing: Drama | |
| ENG 271F | Creative Writing: Fiction | |
| ENG/JOUR 271NF | Creative Writing: Non-fiction | |
| ENG 271P | Creative Writing: Poetry | |
| **Total Units** | | **19.00-21.00** |

List of Electives

| Code | Title | Units |
|---|---|---|
| ENG 221 | Survey of British Literature: 800-1798 | 3-4 |
| or ENG 221H | Survey of British Literature 800-1798, Honors | |
| ENG 222 | Survey of British Literature: 1798-Present | 3-4 |
| or ENG 222H | Survey of British Literature: 1798-Present, Honors | |
| ENG 225 | American Literature: Pre-Colonization to 1865 | 3 |
| ENG 226 | American Literature: 1865-present | 3-4 |
| or ENG 226H | American Literature, Honors | |
| ENG 231 | World Literature: Ancient Times to 16th Century | 3 |
| ENG 232 | World Literature: 17th Century to Present | 3 |
| ENG 240 | Contemporary Fiction [1] | 3 |
| ENG 241 | Contemporary Women Writers [1] | 3 |
| ENG 242 | Contemporary Dramatic Literature [1] | 3 |
| ENG 251 | Introduction To Poetry [1] | 3 |
| ENG 261 | Literature And Film [1] | 3 |
| ENG 262 | Shakespeare | 3 |
| FS 174 | Screenwriting II | 3 |

[1] Recommended Electives for General Emphasis

## Learning Outcomes

1. Distinguish key elements of the four genres--fiction, drama, creative non-fiction and poetry and incorporate key elements of each genre in their own work.
2. Evaluate both student and professional writers' mastery of key elements of the four genres using criteria established by the course texts and by instructor during class lecture and discussions.
3. Synthesize critical appraisals of original drafts and incorporate that critical feedback into subsequent revisions of an original short fiction, drama, creative non-fiction, and poetry.
4. Participate actively in class by supporting the workshop environment through reading, class discussion, and peer feedback.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Creative Writing, Certificate of Achievement (C): Professional Writing Emphasis

There are two emphases in earning the Creative Writing Certificate.

1. The **General Writing** emphasis will enhance students' abilities as creative writers and help them market and publish their work.
2. The **Professional Writing** emphasis focuses on applied areas of study, such as screenwriting, technical writing, journalism and non-fiction.

The Certificate in Creative Writing requires a total of 18 units. Students must take both core courses (6 units), then 4 courses from their selected track–Creative Writing Emphasis or Professional Writing Emphasis (12 units), with the possibility of substituting two of those courses from the elective list (see below). Each emphasis has a list of recommended electives. During the semester that a student receives the Creative Writing Certificate, she or he should present a public reading of no less than twenty minutes as arranged with an English Department faculty member who regularly teaches creative writing courses.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Courses: | | |
| ENG 110 | Composition and Reading | 4 |
| or ENG 110H | Composition and Reading, Honors | |
| ENG 270 | Introduction to Creative Writing | 3 |
| Professional Writing Emphasis Requirements: Complete the following four courses (students may substitute two of the courses from the list of electives below for two of these four Professional Writing Emphasis courses): | | 12-14 |
| ENG/FS 173 | Screenwriting I | |
| ENG/CIS 181 | Technical And Professional Writing | |
| ENG/JOUR 271NF | Creative Writing: Non-fiction | |
| JOUR 101 | Reporting/Writing I | |
| **Total Units** | | **19.00-21.00** |

List of Electives

| Code | Title | Units |
|---|---|---|
| ENG 221 | Survey of British Literature: 800-1798 | 3-4 |
| or ENG 221H | Survey of British Literature 800-1798, Honors | |
| ENG 222 | Survey of British Literature: 1798-Present | 3-4 |
| or ENG 222H | Survey of British Literature: 1798-Present, Honors | |
| ENG 225 | American Literature: Pre-Colonization to 1865 | 3 |
| ENG 226 | American Literature: 1865-present | 3-4 |
| or ENG 226H | American Literature, Honors | |
| ENG 231 | World Literature: Ancient Times to 16th Century | 3 |
| ENG 232 | World Literature: 17th Century to Present | 3 |
| ENG 240 | Contemporary Fiction [1] | 3 |
| ENG 241 | Contemporary Women Writers [1] | 3 |
| ENG 242 | Contemporary Dramatic Literature [1] | 3 |
| ENG 251 | Introduction To Poetry | 3 |
| ENG 261 | Literature And Film [1] | 3 |
| ENG 262 | Shakespeare | 3 |
| FS 174 | Screenwriting II | 3 |

[1] Recommended Electives for Professional Writing Emphasis.

# Learning Outcomes

1. Distinguish key elements of the four genres--fiction, drama, creative non-fiction and poetry and incorporate key elements of each genre in their own work.
2. Evaluate both student and professional writers' mastery of key elements of the four genres using criteria established by the course texts and by instructor during class lecture and discussions.
3. Synthesize critical appraisals of original drafts and incorporate that critical feedback into subsequent revisions of an original short fiction, drama, creative non-fiction, and poetry.
4. Participate actively in class by supporting the workshop environment through reading, class discussion, and peer feedback.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# English, Associate of Arts (AA)
## Overview

In today's information society, reading comprehension and writing skills are essential for everyone. The English program offers a rich and varied education in these vital areas of literacy - serving the individual student, the academic community and the society at large. In order to develop an understanding of our cultural tradition and to stimulate students' imaginations, the department offers literature courses ranging from surveys of British, American and world literature to introductory courses in poetry, Shakespeare and contemporary fiction to special topics on a particular author or theme.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ENG 110 | Composition and Reading | 4 |
| or ENG 110H | Composition and Reading, Honors | |
| ENG 111 | Critical Thinking and Composition Through Literature | 3 |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| Complete 9 units from the following: | | 9 |
| ENG 221 | Survey of British Literature: 800-1798 [1] | |
| or ENG 221H | Survey of British Literature 800-1798, Honors | |
| ENG 222 | Survey of British Literature: 1798-Present [1] | |

| | | |
|---|---|---|
| | or ENG 222H | Survey of British Literature: 1798-Present, Honors |
| ENG 225 | American Literature: Pre-Colonization to 1865 [1] | |
| ENG 226 | American Literature: 1865-present [1] | |
| | or ENG 226H | American Literature, Honors |
| ENG 231 | World Literature: Ancient Times to 16th Century [1] | |
| ENG 232 | World Literature: 17th Century to Present [1] | |
| ENG 240 | Contemporary Fiction | |
| ENG 241 | Contemporary Women Writers | |
| ENG 242 | Contemporary Dramatic Literature | |
| ENG 251 | Introduction To Poetry | |
| ENG 261 | Literature And Film | |
| ENG 262 | Shakespeare | |
| Complete 8 units from the following: | | 8 |
| ART 103 | History of Art, Prehistoric to Gothic | |
| | or ART 103H | History of Art, Prehistoric to Gothic, Honors |
| ART 104 | History of Art, Renaissance to Modern | |
| | or ART 104H | History Of Art, Renaissance To Modern, Honors |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | |
| CHST 115 | Introduction To Mexican Literature | |
| ENG 270 | Introduction to Creative Writing | |
| HIST 101 | History of the U.S. to 1877 | |
| HIST 102 | History of the U.S. Since 1865 | |
| | or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 103 | History of Western Civilization | |
| HIST 104 | History of Western Civilization | |
| | or HIST 113H | History Of Western Civilization: 1600 To Present, Honors |
| PHIL 100 | Introduction to Philosophy | |
| | or PHIL 100H | Introduction to Philosophy, Honors |
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| PSY 100 | General Psychology | |
| | or PSY 100H | General Psychology, Honors |
| TA 103 | Theatre Appreciation | |
| Total Units | | 24.00 |

[1] Strongly recommended.

*A foreign language is strongly recommended.*

## Learning Outcomes

1. Analyze college-level texts, both non-fiction and fiction.
2. Write coherent thesis-driven prose.
3. Gather, evaluate and synthesize information to produce a correctly-documented research paper.
4. Revise written work as part of the writing process.
5. Describe and evaluate literary elements and genres.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# English, Associate in Arts for Transfer (AA-T)

The objective of the English Department is to provide each student with the opportunity to develop his or her own reading, writing, research and critical thinking abilities for successful transfer to universities and for functioning in society and the job market.

The Associate in Arts for Transfer degree in English provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Required Core** | | |
| ENG 111 | Critical Thinking and Composition Through Literature | 3 |
| | or ENG 111H | Critical Thinking and Composition Through Literature, Honors |
| ENG 200 | Introduction to Literature | 3 |
| List A - Complete two courses from the following: | | 6-8 |
| ENG 221 | Survey of British Literature: 800-1798 | |
| ENG 222 | Survey of British Literature: 1798-Present | |
| | or ENG 222H | Survey of British Literature: 1798-Present, Honors |
| ENG 225 | American Literature: Pre-Colonization to 1865 | |

| ENG 226 | American Literature: 1865-present |
| or ENG 226H | American Literature, Honors |
| ENG 231 | World Literature: Ancient Times to 16th Century |
| ENG 232 | World Literature: 17th Century to Present |

| List B - Complete one course from the following: | | 3 |
| --- | --- | --- |
| Any List A course not selected above | |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. |
| CHST 113 | Introduction to Chicano/Mexican-American Literature |
| ENG 240 | Contemporary Fiction |
| ENG 242 | Contemporary Dramatic Literature |
| ENG 251 | Introduction To Poetry |
| ENG 262 | Shakespeare |
| ENG 270 | Introduction to Creative Writing |
| ENG 271D | Creative Writing: Drama |
| ENG 271F | Creative Writing: Fiction |
| ENG 271NF | Creative Writing: Non-fiction |
| or JOUR 271NF | Creative Writing: Non-fiction |
| ENG 271P | Creative Writing: Poetry |
| NATA 113 | The Indian In Literature: Fact And Fiction |

| List C - Complete one course from the following: | | 3-5 |
| --- | --- | --- |
| Any List A or B course not selected above | |
| ASL 101 | Beginning American Sign Language I |
| ASL 102 | Beginning American Sign Language II |
| ASL 103 | Intermediate American Sign Language I |
| ASL 104 | Intermediate American Sign Language II |
| ANTH 104 | Language and Culture |
| ARBC 101 | Beginning Modern Standard Arabic I |
| ARBC 102 | Beginning Modern Standard Arabic II |
| CHST 114 | Borderlands Literature: U.S.-Mexico |
| CHST 115 | Introduction To Mexican Literature |
| CHIN 101 | Beginning Chinese I |
| CHIN 102 | Beginning Chinese II |
| CHIN 103 | Intermediate Chinese |
| ENG/FS 173 | Screenwriting I |
| ENG/CIS 181 | Technical And Professional Writing |
| ENG 241 | Contemporary Women Writers |
| ENG 261 | Literature And Film |
| FR 101 | Beginning French I |
| FR 102 | Beginning French II |
| FR 103 | Intermediate French I |
| FR 104 | Intermediate French II |
| GER 101 | Beginning German I |
| GER 102 | Beginning German II |
| GER 103 | Intermediate German I |
| GER 104 | Intermediate German II |
| HEBR 101 | Beginning Modern Hebrew I |
| HEBR 102 | Beginning Modern Hebrew II |
| ITAL 101 | Beginning Italian I |
| ITAL 102 | Beginning Italian II |
| ITAL 103 | Intermediate Italian I |
| ITAL 104 | Intermediate Italian II |
| JAPN 101 | Beginning Japanese I |
| JAPN 102 | Beginning Japanese II |
| JAPN 103 | Intermediate Japanese I |
| JAPN 104 | Intermediate Japanese II |
| JOUR 101 | Reporting/Writing I |
| KOR 101 | Beginning Korean I |
| KOR 102 | Beginning Korean II |
| LATN 101 | Beginning Latin I |
| LATN 102 | Beginning Latin II |
| SPAN 101 | Beginning Spanish I |
| SPAN 102 | Beginning Spanish II |
| SPAN 103 | Intermediate Spanish I |
| SPAN 104 | Intermediate Spanish II |
| SPAN 132 | Introduction to Literary Analysis |
| SPAN 146 | Intermediate Spanish for Native Speakers I |
| SPAN 147 | Intermediate Spanish for Native Speakers II |
| SPAN 150 | Advanced Spanish |
| SPAN 160 | Advanced Spanish |
| TA 103 | Theatre Appreciation |
| TA 107 | Development Of Drama: Greek to Renaissance |
| TA 108 | Development Of Drama II: Restoration To Contemporary |

| **Total Units** | **18.00-22.00** |
| --- | --- |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Analyze college-level texts, both non-fiction and fiction.
2. Write coherent thesis-driven prose.
3. Gather, evaluate and synthesize information to produce a correctly-documented research paper.
4. Revise written work as part of the writing process.
5. Describe and evaluate literary elements and genres.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Environmental Horticulture

Environmental Horticulture (EH) teaches students the skills and knowledge required for success in the professions of landscape maintenance, landscape design, permaculture, nursery and greenhouse work, and ecological restoration. The program encourages professional standards, a strong work ethic and environmentally sound practices.

Horticulture industry professionals from the local community serve as members of the EH Department's Advisory Committee, providing guidance and expertise in enhancing the EH program's curriculum to ensure students are receiving up-to-date knowledge and skills needed to garner positions in the industry.

Through field trips and professional guest speakers, students have a chance to meet actual horticulture businesses and meet industry professionals. This helps prepare the student for future work and lays the groundwork for student's professional horticulture contacts-- many landscape industry employers, in search of energetic and skilled apprentices, contact the department when looking for new apprentices, interns and employees.

Class lectures are held inside, while the lab portion of classes utilize two outdoor, instructional gardens: the SBCC Lifescape Garden and the Chumash Point Ethnobotanical Preserve. The gardens are also the site of the department's nursery/greenhouse unit.

There are no prerequisites for EH courses: Each can be taken as a stand alone course for personal enrichment, or as a series working towards a college Certificate or A.S. degree in EH.

**Planning a Program of Study**

Many students of this program enter with some horticulture experience, working in the department's horticulture garden on campus, in the landscape contracting industry, the nursery/greenhouse industry, in landscape maintenance, design or ecological restoration. However, some students enter the program with no background in horticulture and enroll to gain such experience. The classes are open to anyone, home gardener, professional landscaper, designer, or farmer. There are no pre-requisites for any courses and students can start the program with any class.

Typically, more advanced students in the program enroll in EH 290 Work Experience In Environmental Horticulture. This course is considered a vital aspect of the program—generating two to four units of credit each semester for enrollees and giving the student real-world experience in the horticulture field, before they graduate. The college, the student and job supervisor work together to develop meaningful work experience situations and projects. Often, the professional relationships forged during this course lead to longer-term employment for the student or at least exposure to successful professionals in the horticultural field.

Units earned under the one-year Certificate of Achievement program can be applied toward the Associate Degree; many articulate toward the Horticulture degree program offered by California Polytechnic State University and other California State Universities.

## Programs of Study

### Associate Degrees

### Certificate of Achievement

### Skills Competency Awards

# Environmental Horticulture, Associate of Science (AS), Ecological Restoration and Management Emphasis

## Overview

Emphasis in Ecological Restoration and Management
The Environmental Horticulture Program teaches the basic skills and provides state-of-the-art information required to develop a strong foundation for a variety of career specialties within the landscaping, ornamental horticulture and the regenerative and restoration industry. The program encourages professional standards, a strong work ethic and environmentally sound management practices.
Horticulture industry professionals from throughout the community serve as members of the college's Environmental Horticulture Advisory Committee. These "hands-on" professionals provide guidance, expertise and leadership in enhancing the program's response to community and industry needs. They meet yearly with program staff members, college administrators and student representatives to review program goals and objectives. Course offerings and content have been determined through this participation and are geared to meet the needs of the landscape, ornamental horticulture and habitat management trades.
On the college's East Campus, practical lab classes utilize two outdoor classroom gardens, the SBCC Lifescape and Chumash Point Ethnobotanical Preserve. The gardens are also the site of the nursery/greenhouse unit. The Environmental Horticulture (EH) Program is designed to provide the student with the necessary skills at the apprentice level to begin work in a wide range of landscape trades. There are three vocational approaches within the Environmental Horticulture program: (1) the one-semester Skills Competency Award approach; (2) the Certificate of Achievement approach, where the certificate is awarded after the one-year (two-semester) format is successfully completed; and (3) the certificate can lead to any one of the four two-year A.S. Degree options in:
a. Landscape Contracting, C-27 License (satisfying one or more years of State requirements)
b. Environmental Landscape Design
c. Nursery & Greenhouse Technology
d. Ecological Restoration and Management
The program cannot guarantee job placement; however, many landscape industry employers, in search of energetic and skilled apprentices, contact the college to request referral of program graduates. The EH Program Skills Competency Award, EH Certificate and Certified

Green Gardener, and Associate Degrees often provide expanding job opportunities.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BIOL 120 | Natural History | 3-4 |
| or BIOL 122 | Ecology | |
| BOT 122 | Flowering Plant Identification | 3 |
| or BOT 123 | Field Botany | |
| DRFT/EH 126 | Landscape Drafting I | 3 |
| EH 102 | Soils And Plant Nutrients | 3 |
| EH 104 | Landscape Maintenance | 3 |
| EH 109 | Permaculture Design | 5 |
| EH 110 | Introduction to Horticulture | 3 |
| EH 112 | Ecological Restoration I | 3 |
| EH 113 | Ecological Restoration II | 3 |
| EH 290 | Work Experience In Environmental Horticulture | 4 |
| ENVS 110 | Humans And The Biological Environment | 3 |
| ENVS 111 | Environmental Field Studies | 1 |
| GEOG/ERTH 171 | Introduction To Geographic Information Systems And Maps | 2 |
| Complete at least one course from the following: | | 2-4 |
| ERTH 111 | Dynamic Earth - Physical Geology | |
| or ERTH 111H | Dynamic Earth - Physical Geology, Honors | |
| GEOG 101/ ERTH 141 | Physical Geography | |
| GEOG/ERTH 172 | Geographic Information Systems: Software Applications | |
| **Total Units** | | **41.00-44.00** |

## Learning Outcomes

1. Describe the basic principles of botany, plant anatomy, taxonomy, reproduction, and plant identification.
2. Demonstrate proper set-up and use of greenhouse environments for native plant propagation, including irrigation, ventilation, heating and cooling.
3. Explain and demonstrate basic sexual and asexual plant propagation techniques for native plants, including seed sowing, use of cuttings, divisions, layer, and grafting.
4. Explain restoration project design, installation, management, monitoring, and assessment.
5. Explain the soil food web and how it is important to native plants and the soils they depend upon.
6. Identify and describe basic propagation and care requirements for native plants of southern California.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Environmental Horticulture, Associate of Science (AS), Landscape Contracting C-27 License Emphasis

## Overview

The A.S. Degree in Environmental Horticulture with an emphasis in Landscape Contracting, prepares the student for obtaining their landscape contractor's license (C-27) and becoming a professional landscape contractor.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| EH 101 | Plant Identification And Culture | 3 |
| EH 102 | Soils And Plant Nutrients | 3 |
| EH 103 | Irrigation And Garden Waterworks | 3 |
| EH 104 | Landscape Maintenance | 3 |
| EH 105 | Landscape Construction | 3 |
| EH 106 | Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition | 3 |
| EH 110 | Introduction to Horticulture | 3 |
| EH 201 | Arboriculture | 3 |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| Complete 12 units of controlled electives selected from the following: | | 12 |
| ACCT 110 | Introduction to Accounting | |
| ART 101 | Visual Literacy | |
| AUTO 101 | Introduction to Auto Mechanics | |
| or AUTO 102 | Basic Car Care, Maintenance and Repair | |
| or AUTO 110 | Fundamentals of Automotive Servicing | |
| DRFT 121 | Architectural Drafting II | |
| DRFT/EH 126 | Landscape Drafting I | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| or ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| EH 202 | Residential Landscape Design | |
| EH 207 | Small Scale Food Production | |
| EH 299 | Independent Study In Environmental Horticulture | |
| ENT 204 | Global Entrepreneurship | |
| ENVS/ERTH 115 | Environmental Geology | |
| ERTH 141/ GEOG 101 | Physical Geography | |
| FIN 100 | Personal Finance | |
| MGMT 101 | Introduction To Management | |
| MKT 101 | Introduction to Marketing | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| PSY 120 | Introduction To Psychology | |
| SPAN 101 | Beginning Spanish I | |
| SPAN 102 | Beginning Spanish II | |
| SUPV 101 | Introduction To Supervision | |
| **Total Units** | | **40.00-44.00** |

## Learning Outcomes

1. Explain the soil ecosystem, its formation, structure, maintenance of its health, and relationship to landscape plant growth and vigor.

2. Communicate a functional landscape irrigation system, including plant's water needs, installation, scheduling, auditing, and troubleshooting.

3. Articulate principles of sustainable landscape design, including soil health maintenance, nutrient replenishment, water efficient irrigation systems, pest management, pruning, and human health and safety.

4. Describe the landscape construction process including safety procedures, grading and drainage, construction math, hardscaping, plan reading, bidding, and principles of sustainability.

5. Demonstrate on-the-job knowledge and skills in horticulture work experience positions, including implementation of all safety protocols and proper use of and care of both power and hand landscaping equipment.

6. Demonstrate landscape design skills including steps in the design process, schematic drawings, development of a plant palette, and integration of principles of sustainability, grading and drainage, hardscaping and irrigation systems.

7. Demonstrate skills in the making and use of pavers, concrete, wooden landscape structures and other hardscaping elements.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Environmental Horticulture, Associate of Science (AS), Landscape Design Emphasis

## Overview

The Environmental Horticulture Program teaches the basic skills and provides state-of-the-art information required to develop a strong foundation for a variety of career specialties within the landscaping, ornamental horticulture and the regenerative and restoration industry. The program encourages professional standards, a strong work ethic and environmentally sound management practices.

Horticulture industry professionals from throughout the community serve as members of the college's Environmental Horticulture Advisory Committee. These "hands-on" professionals provide guidance, expertise and leadership in enhancing the program's response to community and industry needs. They meet yearly with program staff members, college administrators and student representatives to review program goals and objectives. Course offerings and content have been determined through this participation and are geared to meet the needs of the landscape, ornamental horticulture and habitat management trades.

On the college's East Campus, practical lab classes utilize two outdoor classroom gardens, the SBCC Lifescape and Chumash Point Ethnobotanical Preserve. The gardens are also the site of the nursery/greenhouse unit. The Environmental Horticulture (EH) Program is designed to provide the student with the necessary skills at the apprentice level to begin work in a wide range of landscape trades. There are three vocational approaches within the Environmental Horticulture program: (1) the one-semester Skills Competency Award approach; (2) the Certificate of Achievement approach, where the certificate is awarded

after the one-year (two-semester) format is successfully completed; and (3) the certificate can lead to any one of the four two-year A.S. Degree options in:

1. Landscape Contracting, C-27 License (satisfying one or more years of State requirements)
2. Environmental Landscape Design
3. Nursery & Greenhouse Technology
4. Ecological Restoration and Management

The program cannot guarantee job placement; however, many landscape industry employers, in search of energetic and skilled apprentices, contact the college to request referral of program graduates. The EH Program Skills Competency Award, EH Certificate and Certified Green Gardener, and Associate Degrees often provide expanding job opportunities.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| DRFT/EH 126 | Landscape Drafting I | 3 |
| EH 101 | Plant Identification And Culture | 3 |
| EH 103 | Irrigation And Garden Waterworks | 3 |
| EH 104 | Landscape Maintenance | 3 |
| EH 105 | Landscape Construction | 3 |
| EH 109 | Permaculture Design | 5 |
| EH 110 | Introduction to Horticulture | 3 |
| EH 202 | Residential Landscape Design | 3 |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| Complete 12 units of controlled electives selected from the following: | | 12 |
| ART 101 | Visual Literacy | |
| ART 103 | History of Art, Prehistoric to Gothic | |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| DRFT 121 | Architectural Drafting II | |
| DRFT/EH 127 | Landscape Drafting II | |
| DRFT 130 | Computer-Assisted Drafting And Design I | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| EH 102 | Soils And Plant Nutrients | |
| EH 201 | Arboriculture | |
| EH 207 | Small Scale Food Production | |
| EH 299 | Independent Study In Environmental Horticulture | |
| ENT 204 | Global Entrepreneurship | |
| ENVS 110 | Humans And The Biological Environment | |
| ENVS/ERTH 115 | Environmental Geology | |
| ERTH 141/ GEOG 101 | Physical Geography | |
| HIST/ENVS 112 | American Environmental History | |
| PHOT 109 | Introduction to Photography | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| PSY 120 | Introduction To Psychology | |
| **Total Units** | | **42.00-46.00** |

# Learning Outcomes

1. Identify common native and ornamental landscape plants.
2. Conduct a landscape assessment for ecological and economic sustainability.
3. Trouble-shoot pest, water, soil and location problems of landscape plants and plantings.
4. Provide recommendations for enhancing health of landscape trees, shrubs, other plants and soils.
5. Describe and implement both conventional and organic methods of landscape maintenance and care.
6. Design, plan and install basic irrigation systems.
7. Design, plan and install basic hardscape elements.
8. Utilize basic propagation methods to produce landscape plants.
9. Demonstrate a strong work and personal ethic through care of horticultural tools and facilities, and through care of personal health during horticultural practices.
10. Experience supervised, hands-on horticultural work.
11. Demonstrate proficiency in native plant ecology and restoration.
12. Demonstrate basic skills in landscape design.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Environmental Horticulture, Associate of Science (AS), Nursery and Greenhouse Technology Emphasis

## Overview

The A.S. Degree in Environmental Horticulture with an emphasis in Nursery and Greenhouse Technology, prepares the student for professional work in the nursery and greenhouse plant production field by equipping them with skills in plant propagation, greenhouse design and small business skills.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| EH 101 | Plant Identification And Culture | 3 |
| EH 102 | Soils And Plant Nutrients | 3 |
| EH 103 | Irrigation And Garden Waterworks | 3 |
| EH 104 | Landscape Maintenance | 3 |
| EH 105 | Landscape Construction | 3 |
| EH 106 | Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition | 3 |
| EH 110 | Introduction to Horticulture | 3 |
| EH 112 | Ecological Restoration I | 3 |
| or EH 113 | Ecological Restoration II | |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| Complete 12 units of controlled electives selected from the following: | | 12 |
| ACCT 110 | Introduction to Accounting | |
| BIOL 120 | Natural History | |
| DRFT/EH 126 | Landscape Drafting I | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| or ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| EH 109 | Permaculture Design | |
| EH 202 | Residential Landscape Design | |
| EH 207 | Small Scale Food Production | |
| EH 299 | Independent Study In Environmental Horticulture | |
| ENT 204 | Global Entrepreneurship | |
| FIN 100 | Personal Finance | |
| MGMT 101 | Introduction To Management | |
| MKT 101 | Introduction to Marketing | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| PSY 120 | Introduction To Psychology | |
| SPAN 101 | Beginning Spanish I | |
| SPAN 102 | Beginning Spanish II | |
| SUPV 101 | Introduction To Supervision | |
| **Total Units** | | **40.00-44.00** |

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Environmental Horticulture, Certificate of Achievement (C)

## Overview

Jobs and a preferred lifestyle are what inspire most students to enter Santa Barbara City College's Environmental Horticulture program.  The department offers a one-year Certificate in Environmental Horticulture as well as a two-year A.S. degree with six areas of emphasis to choose from.

 "Learn by doing" is the program's philosophy. Practical labs, cooperative work study and apprentice training are heavily integrated into the program.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| DRFT/EH 126 | Landscape Drafting I | 3 |
| EH 101 | Plant Identification And Culture | 3 |

| EH 102 | Soils And Plant Nutrients | 3 |
|--------|---------------------------|---|
| EH 103 | Irrigation And Garden Waterworks | 3 |
| EH 104 | Landscape Maintenance | 3 |
| EH 105 | Landscape Construction | 3 |
| EH 106 | Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition | 3 |
| EH 110 | Introduction to Horticulture | 3 |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |
| **Total Units** | | **28.00-32.00** |

## Learning Outcomes

1. Identify common native and ornamental landscape plants.
2. Conduct a landscape assessment for ecological and economic sustainability.
3. Trouble-shoot pest, water, soil and location problems of landscape plants and plantings.
4. Provide recommendations for enhancing health of landscape trees, shrubs, other plants and soils.
5. Describe and implement both conventional and organic methods of landscape maintenance and care.
6. Design, plan and install basic irrigation systems.
7. Design, plan and install basic hardscape elements.
8. Utilize basic propagation methods to produce landscape plants.
9. Demonstrate a strong work and personal ethic through care of horticultural tools and facilities and through care of personal health during horticultural practices.
10. Experience supervised hands-on horticultural work.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Landscape Operations, Skills Competency Award (SCA)

## Overview

The Environmental Horticulture Program teaches the basic skills and provides state-of-the-art information required to develop a strong foundation for a variety of career specialties within the landscaping, ornamental horticulture and the regenerative and restoration industry. The program encourages professional standards, a strong work ethic and environmentally sound management practices.

Horticulture industry professionals from throughout the community serve as members of the college's Environmental Horticulture Advisory Committee. These "hands-on" professionals provide guidance, expertise and leadership in enhancing the program's response to community and industry needs. They meet yearly with program staff members, college administrators and student representatives to review program goals and

objectives. Course offerings and content have been determined through this participation and are geared to meet the needs of the landscape, ornamental horticulture and habitat management trades.

On the college's East Campus, practical lab classes utilize two outdoor classroom gardens, the SBCC Lifescape and Chumash Point Ethnobotanical Preserve. The gardens are also the site of the nursery/greenhouse unit. The Environmental Horticulture (EH) Program is designed to provide the student with the necessary skills at the apprentice level to begin work in a wide range of landscape trades. There are three vocational approaches within the Environmental Horticulture program: (1) the one-semester Skills Competency Award approach; (2) the Certificate of Achievement approach, where the certificate is awarded after the one-year (two-semester) format is successfully completed; and (3) the certificate can lead to any one of the four two-year A.S. Degree options in:

a. Landscape Contracting, C-27 License (satisfying one or more years of State requirements)
b. Environmental Landscape Design
c. Nursery & Greenhouse Technology
d. Ecological Restoration and Management

The program cannot guarantee job placement; however, many landscape industry employers, in search of energetic and skilled apprentices, contact the college to request referral of program graduates. The EH Program Skills Competency Award, EH Certificate and Certified Green Gardener, and Associate Degrees often provide expanding job opportunities.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Spring: | | |
| EH 102 | Soils And Plant Nutrients | 3 |
| EH 105 | Landscape Construction | 3 |
| EH 106 | Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition | 3 |
| EH 110 | Introduction to Horticulture | 3 |
| **Optional** | | |
| EH 290 | Work Experience In Environmental Horticulture | |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Demonstrate effective uses of soil amendments, mulches, soil activators, soil nutrients, and fertilizer products.
2. Demonstrate proper management of water within the landscape, including water conservation and xeriscape principles.
3. Demonstrate the ability to read plans, simple surveys, basic hardscape skills, and elevation maps.
4. Identify a variety of indoor plants, bedding plants, turf and ground covers, and herbaceous ornamentals.

5. Demonstrate how to propagate plants through vegetative and non-vegetative techniques.

6. List and explain the factors required for a successful business enterprise.

# Sustainable Horticulture, Skills Competency Award (SCA)

## Overview

The Environmental Horticulture Program teaches the basic skills and provides state-of-the-art information required to develop a strong foundation for a variety of career specialties within the landscaping, ornamental horticulture and the regenerative and restoration industry. The program encourages professional standards, a strong work ethic and environmentally sound management practices.

Horticulture industry professionals from throughout the community serve as members of the college's Environmental Horticulture Advisory Committee. These "hands-on" professionals provide guidance, expertise and leadership in enhancing the program's response to community and industry needs. They meet yearly with program staff members, college administrators and student representatives to review program goals and objectives. Course offerings and content have been determined through this participation and are geared to meet the needs of the landscape, ornamental horticulture and habitat management trades.

On the college's East Campus, practical lab classes utilize two outdoor classroom gardens, the SBCC Lifescape and Chumash Point Ethnobotanical Preserve. The gardens are also the site of the nursery/greenhouse unit. The Environmental Horticulture (EH) Program is designed to provide the student with the necessary skills at the apprentice level to begin work in a wide range of landscape trades. There are three vocational approaches within the Environmental Horticulture program: (1) the one-semester Skills Competency Award approach; (2) the Certificate of Achievement approach, where the certificate is awarded after the one-year (two-semester) format is successfully completed; and (3) the certificate can lead to any one of the four two-year A.S. Degree options in:
a. Landscape Contracting, C-27 License (satisfying one or more years of State requirements)
b. Environmental Landscape Design
c. Nursery & Greenhouse Technology
d. Ecological Restoration and Management

The program cannot guarantee job placement; however, many landscape industry employers, in search of energetic and skilled apprentices, contact the college to request referral of program graduates. The EH Program Skills Competency Award, EH Certificate and Certified Green Gardener, and Associate Degrees often provide expanding job opportunities.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| EH 101 | Plant Identification And Culture | 3 |
| EH 103 | Irrigation And Garden Waterworks | 3 |
| EH 104 | Landscape Maintenance | 3 |
| EH 110 | Introduction to Horticulture | 3 |
| **Total Units** | | **12.00** |

**Optional:**

| Code | Title | Units |
|------|-------|-------|
| EH 290 | Work Experience In Environmental Horticulture | 2-4 |

## Learning Outcomes

1. Identify common ornamental plants and appropriate placement within the landscape for sustainability.

2. Correctly prune, water, feed and maintain plants in their landscape environment.

3. Properly use and maintain manual and power gardening tools, machinery and equipment.

4. Read an irrigation plan.

5. Repair, maintain, retrofit and troubleshoot common irrigation systems.

6. Conduct a simple landscape water audit, test sprinkler stations and calculate precipitation rates.

7. Demonstrate familiarity with the regulations and laws regarding irrigation.

8. Cope with ordinary pest, disease and weed problems to promote a safe, sustainable garden ecology.

# Environmental Studies

Some of our greatest challenges and opportunities are associated with whether our growing human population can meet its needs without degrading environmental systems and making it impossible for future generations to meet their needs. Global environmental issues like climate change are making the future very different from the past and any student hoping to succeed in this new world must understand the science, economics, and politics of the environment.

Environmental Studies is an interdisciplinary program with courses in Biology, Earth Science, History, Economics, and Global Studies addressing the past, current, and future issues of population growth, food, water, energy, pollution, and underlying geology and associated policies. A student can receive an A.A., A.S.T. degree, a Certificate of Completion in Field Methods, or a Skills Completion Award in Field Methods.

Every discipline and segment of the economy is affected by the environment. Coursework in this area is, therefore, critical to success regardless of your major. Courses focus on the science, economics, politics, and history of how humans interact with Earth's biological and geological systems.

Courses include face to face and online lectures, on campus and field-based labs, and project-based courses. Most courses in the program satisfy IGETC requirements and are transferable.

# Programs of Study

**Associate Degree**

- Environmental Studies, Associate of Arts (AA) (p. 266)

# Environmental Studies, Associate of Arts (AA)

## Overview

The Environmental Studies Program is an interdisciplinary program designed to develop an understanding of living and non-living earth processes and how they affect and are affected by the human population. Courses in biology, earth sciences and history provide a foundation in the functioning of living systems including population growth, ecology, and toxicology; geologic processes including energy resources, geologic hazards, and pollution; and human attitudes towards nature including historical perspective and context for our current situation.

Through these courses students will gain a better understanding of how humans are intimately connected with the environment and how human activities impact and are impacted by the environment.

An understanding of environmental matters is essential in today's world. Careers in natural resources, land use planning, business, energy, waste management, pollution control, law and environmental administration all require knowledge of environmental issues and the functioning of ecosystems. Career opportunities may require more discipline-specific studies in biology, geology or political science.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ENVS 110 | Humans And The Biological Environment | 3 |
| ENVS 111 | Environmental Field Studies | 1 |
| ENVS/ERTH 115 | Environmental Geology | 3 |
| ENVS/ERTH 115L | Environmental Geology Laboratory | 1 |
| ENVS/ERTH 116 | Energy and Natural Resources | 3 |
| HIST/ENVS 112 | American Environmental History | 3 |
| ENVS 200 | Projects In Sustainability | 2 |
| BIOL 100 | Concepts Of Biology | 4-5 |
| or BIOL 101 | Plant Biology | |
| or BIOL 102 | Animal Biology | |
| or BIOL 103 | Cell and Molecular Biology | |
| CHEM 155 | General Chemistry I | 5 |
| ECON 101 | Microeconomics | 3-4 |
| or ECON 101H | Microeconomics, Honors | |
| or ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| ENG 110 | Composition and Reading | 4 |
| or ENG 110H | Composition and Reading, Honors | |
| ENG 111 | Critical Thinking and Composition Through Literature | 3 |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| MATH 117 | Elementary Statistics | 4 |
| PHIL 101 | Introduction to Ethics | 3-4 |
| or PHIL 101H | Introduction To Ethics, Honors | |
| or PHIL 205 | Introduction to Logic | |
| or POLS 132 | Political Thinking | |
| Complete one combination from the following: | | 3-5 |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory | |
| ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory | |
| ERTH 151 & 151L | Introductory Physical Oceanography and Introductory Physical Oceanography Laboratory | |
| ERTH 141 & 141L | Physical Geography and Physical Geography Laboratory [1] | |
| GEOG 101 & 101L | Physical Geography and Physical Geography Laboratory [1] | |
| ERTH/GEOG 152 | Weather and Climate | |
| Complete two courses from the following: | | 6-8 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 109 | Comparative World Cultures | |
| ERTH 142/ GEOG 105 | Economic Geography | |
| GEOG 102 | Human Geography | |
| GLST 101 | Introduction to Global Studies | |
| GLST 102 | Global Problems | |
| POLS 101 | American Government And Politics | |
| POLS 121 | International Politics | |
| or POLS 121H | International Politics, Honors | |
| POLS 131 | Comparative Politics | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |

| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| Complete one course from Area 3A of IGETC [2] | | 3-4 |
| **Total Units** | | **54.00-62.00** |

[1]  ERTH 141/141L are the same as GEOG 101/101L.
[2]  Click here for a list of IGETC Area 3A course options. (http://articulation.sbcc.edu/uforms/figetc/igetc.pdf)

## Learning Outcomes

1. Explain how human activities impact the environment and how the environment impacts human society over time.
2. Explain the interconnections among the lithosphere, biosphere, hydrosphere and atmosphere.
3. Apply critical thinking to establish connections and evaluate the extent to which human activities degrade, protect, or rehabilitate environmental health.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Film and Media Studies

Film and Media Studies at SBCC explores the history, theory, and criticism of film and of evolving media that shape our everyday lives.  The department offers a variety of courses, from the early years of film history to the contemporary era, including both American and international works, designed for film majors and interested non-majors who wish to enhance their knowledge of film and media as part of their undergraduate education.

Students are able to immerse themselves in research and analysis in an academic setting, as well as in current film industry practices. The department offers courses on-campus, online, and as hybrids, as well as off-campus through Study Abroad, the Internship Program, and the Film Festival Studies courses.

The department offers an AA degree, certificates, and a Skills Competency Award.  Students are prepared to pursue baccalaureate degrees in a variety of film related majors with courses that articulate to UC and CSU, as well as other 4-year universities.  Students transfer to campuses in the UC and CSU system, as well as at top four-year film schools such as UCLA, USC, NYU and Chapman University.

## Programs of Study

**Associate Degree for Transfer**

- Film, Television and Electronic Media, Associate in Science for Transfer (AS-T) (p. 269)

**Associate Degree**

- Film and Media Studies, Associate of Arts (AA) (p. 267)

**Certificates of Achievement**

- Film and Media Studies, Certificate of Achievement (C) (p. 268)
- Screenwriting, Certificate of Achievement (C) (p. 270)

**Skills Competency Award**

- Screenwriting, Skills Competency Award (SCA) (p. 271)

# Film and Media Studies, Associate of Arts (AA)

## Overview

The Film and Media Studies major, leading to an AA degree, focuses on historical and critical studies in the field of film and related media. The program is designed to introduce students to film literature and criticism and to provide them with a basic knowledge of motion picture history, including the work of major American and international directors. Electives enhance this course of study by exposing students to the principles, technology and techniques of motion picture production. The goal of the program is to encourage a critical attitude toward moving image media through theoretical studies, critical analysis and historical and cross-cultural examination.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| FS 101 | Introduction to Film Studies | 3-4 |
| or FS 101H | Introduction to Film Studies, Honors | |
| FS 104 | American Film to 1960's | 3 |
| FS 107 | Contemporary American Film | 3 |
| FS 110 | World Cinema to 1960's | 3 |
| FS 111 | Contemporary World Cinema | 3 |
| FS 116 | Gender and Sexuality in Film | 3 |
| FS 118 | Film Genres | 3 |
| FS 120 | Visionary Filmmakers | 3 |
| FS 121 | Documentary Film | 3 |

| FS/ENG 173 | Screenwriting I | 3 |
| Complete one course from the following: | | 2-3 |
| FP 185 | Directing For The Camera | |
| FS 105 | Introduction to Television Studies | |
| FS 108A | Film Festival Studies | |
| FS 109 | Film and Cultural Criticism | |
| FS 112A | French Film | |
| FS 112B | Art Cinema | |
| FS 112C | Spanish and Latin American Film | |
| FS 113 | Experimental Film | |
| FS 114 | History of Animation | |
| FS 115 | The Vietnam War in Film | |
| FS 119 | Film Comedy | |
| FS 174 | Screenwriting II | |
| FS 179 | Screenwriting III | |
| TA 103 | Theatre Appreciation | |
| **Total Units** | | **32.00-34.00** |

## Learning Outcomes

1. Articulate and demonstrate an understanding of the history of U.S. and world cinema, in relation to filmmakers, style, movements, film industries and genres, using film terminology and standard English in written and oral presentations.

2. Articulate and demonstrate an understanding of the theories and critical models of cinema, in relation to *auteur* studies, style, movements, genre and social ideology, using film terminology and standard English in written and oral presentations.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Film and Media Studies, Certificate of Achievement (C)
## Overview

Film and media have profound impacts on how we view the world and ourselves. Film and Media Studies explores the theory, criticism and history of motion pictures and of continually evolving media platforms that shape and influence our everyday lives.

The Film and Media Studies department at Santa Barbara City College offers a wide variety of courses designed for film majors and interested non-majors who wish to enhance their knowledge and appreciation of film and media as part of their undergraduate education. Students are exposed to a vast array of films from the classic to the contemporary, including both American and international works.

SBCC students are able to immerse themselves in film and media research and analysis in an academic setting, as well as in current film industry practices. The Film and Media Studies program offers a vast survey of courses on-campus and online, internationally through Study Abroad and at film festivals, such as the Santa Barbara International

Film Festival, AFI Fest in Hollywood and the Los Angeles International Film Festival. Students also have the opportunity to gain practical work experience through the Film and Media Studies internship program.

The required courses in the Film and Media Studies track are designed to provide students with an introduction to film and media literature, criticism and theory; a basic knowledge of film history and the motion picture industry; and a familiarity with major directors, actors and practitioners of cinema. Electives enhance this course of study by exposing students to the principles, technology and techniques of motion picture and media production.

The Film and Media Studies Certificate of Achievement has been developed in accordance with Santa Barbara City College's core principles, mission statement and institutional learning outcomes. The program is fully supported by the SBCC Academic Senate and Curriculum Advisory Committee, as well as the SBCC administration and Board of Trustees.

# Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| FS 101 | Introduction to Film Studies | 3-4 |
| or FS 101H | Introduction to Film Studies, Honors | |
| FS 104 | American Film to 1960's | 3 |
| FS 107 | Contemporary American Film | 3 |
| FS 110 | World Cinema to 1960's | 3 |
| FS 111 | Contemporary World Cinema | 3 |
| FS 116 | Gender and Sexuality in Film | 3 |
| FS 118 | Film Genres | 3 |
| FS 120 | Visionary Filmmakers | 3 |
| FS 121 | Documentary Film | 3 |
| FS/ENG 173 | Screenwriting I | 3 |
| Complete one course from the following: | | 2-3 |
| FP 185 | Directing For The Camera | |
| FS 105 | Introduction to Television Studies | |
| FS 108A | Film Festival Studies | |
| FS 109 | Film and Cultural Criticism | |
| FS 112A | French Film | |
| FS 112B | Art Cinema | |
| FS 112C | Spanish and Latin American Film | |
| FS 113 | Experimental Film | |
| FS 114 | History of Animation | |
| FS 115 | The Vietnam War in Film | |
| FS 119 | Film Comedy | |
| FS 174 | Screenwriting II | |
| FS 179 | Screenwriting III | |
| TA 103 | Theatre Appreciation | |
| **Total Units** | | **32.00-34.00** |

## Learning Outcomes

1. Articulate and demonstrate an understanding of the history of U.S. and world cinema, in relation to filmmakers, style, movements, film industries and genres, using film terminology and standard English in written and oral presentations.
2. Articulate and demonstrate an understanding of the theories and critical models of cinema, in relation to *auteur* studies, style, movements, genre and social ideology, using film terminology and standard English in written and oral presentations.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Film, Television and Electronic Media, Associate in Science for Transfer (AS-T)

Film is a universally recognized medium that has a profound impact on how we view the world and ourselves. Filmmaking is the most collaborative of art forms. It demands the cooperation and dedication of screenwriter, cinematographer, producer, director and editor working together in a complex, creative enterprise. Film and Television explores the theory, criticism and production of motion pictures.

The Film and Television Department at Santa Barbara City College offers a wide variety of courses designed for film majors and interested non-majors who wish to enhance their knowledge and appreciation of film as part of their undergraduate education. Students are exposed to a vast array of films from the classic to the contemporary, including both American and international works.

Motion picture production is a vital component of the Film and Television Department at SBCC. Students are able to apply their critical and theoretical understanding of film art in a comprehensive production program, which includes hands-on experience in screenwriting, production, cinematography, directing, editing, sound and visual effects.

The Associate in Science for Transfer degree in Film, Television and Electronic Media provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|------:|
| **Department Requirements** | | |
| Required Core | | |
| FP 181 | Production Sound for Film and Television | 3 |
| Complete two courses from the following: | | 6-7 |
| COMM 171 | Mass Media and Society | |
| FS 101 | Introduction to Film Studies | |
| or FS 101H | Introduction to Film Studies, Honors | |
| FS/ENG 173 | Screenwriting I | |
| or FP 102 | Writing for Television | |
| List A - Complete one course from the following: | | 3 |
| FP 160 | Television Studio Production | |
| FP 165 | Television Field Production | |
| FP 175 | Film and Video Production I | |
| List B - Complete one course from the following: | | 3-4 |
| Any course not already used above or one of the following | | |
| ART 101 | Visual Literacy | |
| ART 103 | History of Art, Prehistoric to Gothic | |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| COMM 235 | Argumentation and Debate | |
| ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| FP 275 | Production II: Narrative Filmmaking | |
| FS 104 | American Film to 1960's | |
| FS 107 | Contemporary American Film | |
| FS 110 | World Cinema to 1960's | |
| FS 111 | Contemporary World Cinema | |
| FS 174 | Screenwriting II | |
| MUS 110 | Music Appreciation | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| TA 103 | Theatre Appreciation | |
| TA 111 | Beginning Acting | |
| List C - Complete one course from the following: | | 3-5 |
| Any course not already used above or any course that fulfills CSU GE Breadth Area C or one of the following | | |

| FP 111 | Independent Producing for Motion Pictures |
| FP 114 | Non-Linear Editing I |
| FP 170 | Cinematography I |
| FP 178 | Documentary Filmmaking |
| FP 185 | Directing For The Camera |
| FP 201 | Narrative in Film |
| FP 207 | Color Correction for Film |
| FP 214 | Non-Linear Editing II |
| FP 270 | Cinematography II |
| FP 274 | Production II: Webseries Production |
| FP 276 | Production II: Commercial Applications |
| FP 279 | Motion Graphics and Compositing |
| FP 281 | Post-Production Sound for Film and Television |
| FP 284 | Transmedia Production |
| FP 285 | Directing For The Camera II |
| FP 294 | Film Production Capstone |
| FS 295 | Internship in Film and Media Studies |

**Total Units** **18.00-22.00**

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Conceive and Script a Short Film.
2. Plan and Budget a Short Film.
3. Shoot, Light and Record Sound for a short crew production.
4. Edit and output a finished Short Film.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Screenwriting, Certificate of Achievement (C)
## Overview

Film and media have profound impacts on how we view the world and ourselves. Film and Media Studies explores the theory, criticism and history of motion pictures and of continually evolving media platforms that shape and influence our everyday lives.

The Film and Media Studies Department at Santa Barbara City College offers a wide variety of courses designed for film majors and interested non-majors who wish to enhance their knowledge and appreciation of film and media as part of their undergraduate education. Students are exposed to a vast array of films from the classic to the contemporary, including both American and international works.

SBCC Students are able to immerse themselves in film and media research and analysis in an academic setting, as well as in current film industry practices. The Film and Media Studies program offers a vast survey of courses on-campus, online, internationally through Study Abroad, and at film festivals, such as the Santa Barbara International Film Festival, AFI Fest in Hollywood, and the Los Angeles International Film Festival. Students also have the opportunity to gain practical work experience through the Film and Media Studies internship program.

The required courses in the Film and Media Studies Screenwriting Certificate track are designed to provide students with an introduction to film and media literature, film and media criticism and theory, a basic knowledge of film history and the motion picture industry, and a familiarity with major directors, actors and practitioners of cinema. Screenwriting courses are designed to provide students with introduction, intermediate, and advanced screenwriting skills related to script development, research, outlines, scene and sequence analyses, treatments, draft editing, and completion of a final screenplay. The courses lead to an advanced study of the structure, development, pacing, and revision of a completed screenplay. In addition to analyzing feature film and television screenplays, students complete a final draft of a screenplay, learn how to edit and revise it, how to pitch it, and how to market it.

The Film and Media Studies Screenwriting Certificate has been developed in accordance with Santa Barbara City College's core principles, mission statement and institutional learning outcomes. The program is fully supported by the SBCC Academic Senate, Curriculum Advisory Committee as well as the SBCC administration and Board of Trustees.

There are a variety of career opportunities for students completing the Film and Media Studies certificate. Students may find employment at:

-Film festivals, such as the Santa Barbara Film Festival;

-Film programs at museums, such at the Armond Hammer museum at UCLA or the Los County Museum of Art;

-Newspapers, magazines, or websites writing film and media journalism and criticism;

-Film and media department at a university, such as the University of California Santa Barbara or the University of California Los Angeles;

-Film production for screenplay analysis, and more.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| FS 101 | Introduction to Film Studies | 3-4 |
| or FS 101H | Introduction to Film Studies, Honors | |
| FS 108A | Film Festival Studies | 1.5-2 |
| or FS 108B | Film Festival Studies | |
| FS 118 | Film Genres | 3 |
| FS/ENG 173 | Screenwriting I | 3 |

| FS 174 | Screenwriting II | 3 |
|---|---|---|
| FS 179 | Screenwriting III | 3 |
| **Total Units** | | **16.50-18.00** |

## Learning Outcomes

1. Articulate and demonstrate an understanding of the history of U.S. and world cinema, in relation to filmmakers, style, movements, film industries and genres, using film terminology and standard English in written and oral presentations.
2. Articulate and demonstrate an understanding of the theories and critical models of cinema, in relation to auteur studies, style, movements, genre and social ideology, using film terminology and standard English in written and oral presentations.
3. Develop a final draft of a screenplay in industry standard format.
4. Write a final draft of a screenplay with three-dimensional characters, subtextual dialogue, and revealing action.
5. Create a final draft of a screenplay that demonstrates dramatic narrative structure.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Screenwriting, Skills Competency Award (SCA)

## Overview

Film and media have profound impacts on how we view the world and ourselves. Film and Media Studies explores the theory, criticism and history of motion pictures and of continually evolving media platforms that shape and influence our everyday lives.

The Film and Media Studies Department at Santa Barbara City College offers a wide variety of courses designed for film majors and interested non-majors who wish to enhance their knowledge and appreciation of film and media as part of their undergraduate education. Students are exposed to a vast array of films from the classic to the contemporary, including both American and international works.

SBCC Students are able to immerse themselves in film and media research and analysis in an academic setting, as well as in current film industry practices. The Film and Media Studies program offers a vast survey of courses on-campus, online, internationally through Study Abroad, and at film festivals, such as the Santa Barbara International Film Festival, AFI Fest in Hollywood, and the Los Angeles International Film Festival. Students also have the opportunity to gain practical work experience through the Film and Media Studies internship program.

The required courses for the Film and Media Studies Skills Competency Award in Screenwriting are designed to provide students with introduction, intermediate, and advanced screenwriting skills related to script development, research, outlines, scene and sequence analyses, treatments, draft editing, and completion of a final screenplay. The courses lead to an advanced study of the structure, development, pacing, and revision of a completed screenplay. In addition to analyzing feature film and television screenplays, students complete a final draft of a screenplay, learn how to edit and revise it, how to pitch it, and how to market it.

The Film and Media Studies Skills Competency Award in Screenwriting has been developed in accordance with Santa Barbara City College's core principles, mission statement and institutional learning outcomes. The program is fully supported by the SBCC Academic Senate, Curriculum Advisory Committee as well as the SBCC administration and Board of Trustees.

There are a variety of career opportunities for students completing the Film and Media Studies Skills Competency Award in Screenwriting. Students may find employment at:

-Film festivals, such as the Santa Barbara Film Festival;
-Film programs at museums, such as the Armond Hammer museum at UCLA or the Los County Museum of Art;
-Newspapers, magazines, or websites writing film and media journalism and criticism;
-Film and media department at a university, such as the University of California Santa Barbara or the University of California Los Angeles;
-Film production for screenplay analysis, and more.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| FS/ENG 173 | Screenwriting I | 3 |
| FS 174 | Screenwriting II | 3 |
| FS 179 | Screenwriting III | 3 |
| **Total Units** | | **9.00** |

## Learning Outcomes

1. Articulate and demonstrate an understanding of the theories and critical models of cinema, in relation to auteur studies, style, movements, genre and social ideology, using film terminology and standard English in written and oral presentations.
2. Develop a final draft of a screenplay in industry standard format.
3. Write a final draft of a screenplay with three-dimensional characters, subtextual dialogue, and revealing action.
4. Create a final draft of a screenplay that demonstrates dramatic narrative structure.

# Film and Television Production

The Film and Television Production Program seeks to inspire and empower students to study and work in an industry that they are passionate about, furnishing them with the skills and knowledge to create meaningful careers in the film and television industry. Santa Barbara City College provides a supportive learning environment for students to succeed via our curriculum in F (https://catalog.sbcc.edu/academic-departments/film-television-production/#creditcoursestext)ilm and Television (https://catalog.sbcc.edu/academic-departments/film-television-production/#creditcoursestext)and hands-on production

classes. Students are taught industry-level productions skills, media literacy, and critical thinking skills that prepare them for college transfer or entry into the industry. Students will have an opportunity to earn a Film, Television and Electronic Media (AS-T) for Transfer Degree (https://catalog.sbcc.edu/academic-departments/film-media-studies/film-television-electronic-media-ast/) or a Film Production Associate in Arts (AA) degree. (https://catalog.sbcc.edu/academic-departments/film-television-production/film-production-aa/)

# Programs of Study

**Associate Degree for Transfer**

- Film, Television and Electronic Media, Associate in Science for Transfer (AS-T) (p. 269)

**Associate Degree**

- Film Production, Associate of Arts (AA) (p. 273)

**Skills Competency Awards**

- Digital Audio Production, Skills Competency Award (SCA) (p. 272)
- Digital Cinematography, Skills Competency Award (SCA) (p. 272)
- Digital Non-Linear Editing, Skills Competency Award (SCA) (p. 272)
- Directing for Film and Video, Skills Competency Award (SCA) (p. 273)
- Documentary Filmmaking, Skills Competency Award (SCA) (p. 273)
- Independent Film Producing, Skills Competency Award (SCA) (p. 274)
- Motion Graphics and Broadcast Design, Skills Competency Award (SCA) (p. 274)

# Digital Audio Production, Skills Competency Award (SCA)

## Overview

Designed to provide a focused skillset for those students interested in pursuing a career in Audio Production.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| FP 114 | Non-Linear Editing I | 3 |
| FP 175 | Film and Video Production I | 3 |
| FP 181 | Production Sound for Film and Television | 3 |
| FP 281 | Post-Production Sound for Film and Television | 3 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Choose and place appropriate microphones for a cinematic production.

2. Edit, sweeten and output finished digital audio files.
3. Integrate finished digital audio files in a Non-Linear Editing workflow.

# Digital Cinematography, Skills Competency Award (SCA)

## Overview

Designed to provide a focused skillset for those students interested in pursuing a career in Digital Cinematography.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| FP 170 | Cinematography I | 3 |
| FP 175 | Film and Video Production I | 3 |
| FP 207 | Color Correction for Film | 3 |
| FP 270 | Cinematography II | 3 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Analyze a script and determine camera, light and grip needs, and create a lighting plan.
2. Compose and shoot a scene using a digital video camera.
3. Light a scene using light and grip equipment.
4. Color Correct raw footage for integration in a Non-Linear editing workflow.

# Digital Non-Linear Editing, Skills Competency Award (SCA)

## Overview

Designed to provide a focused skillset for those students interested in pursuing a career in Non-Linear Editing.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| FP 114 | Non-Linear Editing I | 3 |
| FP 207 | Color Correction for Film | 3 |
| FP 214 | Non-Linear Editing II | 3 |
| FP 279 | Motion Graphics and Compositing | 3 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Prepare and ingest a variety of digital video, still and audio formats, edit those elements into a cohesive project, and output the result.
2. Color Correct edited footage to broadcast standards.
3. Design and implement Motion Graphic elements into a Non-Linear Editing workflow.

# Directing for Film and Video, Skills Competency Award (SCA)

## Overview

Designed to provide a focused skillset for those students interested in pursuing a career in Directing for the Camera.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| FP 102 | Writing for Television | 3 |
| FP 175 | Film and Video Production I | 3 |
| FP 185 | Directing For The Camera | 3 |
| FP 285 | Directing For The Camera II | 3 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Conceive, write and cast a short cinematic production.
2. Direct actors and key crew in a cinematic production.
3. Direct post-production crew in completing a finished cinematic production.

# Documentary Filmmaking, Skills Competency Award (SCA)

## Overview

Designed to provide a focused skillset for those students interested in pursuing a career as a Documentary Filmmaker.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| FP 114 | Non-Linear Editing I | 3 |
| FP 170 | Cinematography I | 3 |
| FP 178 | Documentary Filmmaking | 3 |

| FP 181 | Production Sound for Film and Television | 3 |
| --- | --- | --- |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Conceive and Write a short Documentary film.
2. Direct, Edit and output a short Documentary film.

# Film Production, Associate of Arts (AA)

## Overview

The Film Production major, leading to an AA degree, integrates theoretical and practical instruction in the field of motion picture production. The objective of the program is to enable students to develop expertise in the understanding and use of the moving image for artistic, social and professional applications. Students in the production track are expected to demonstrate technical proficiency and a creative voice in film, video and/or digital media as an integral part of the requirements for the major. The goal of the program is to encourage creative production of motion pictures and to provide students with essential and up-to-date technical knowledge and practical skills that enable them to establish careers as professionals in the fields of film, video, television and digital media.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| FP 114 | Non-Linear Editing I | 3 |
| FP 170 | Cinematography I | 3 |
| FP 175 | Film and Video Production I | 3 |
| FP 181 | Production Sound for Film and Television | 3 |
| FP 185 | Directing For The Camera | 3 |
| FP 275 | Production II: Narrative Filmmaking | 3 |
| FS 101 | Introduction to Film Studies | 3-4 |

| Code | Title | Units |
|---|---|---|
| or FS 101H | Introduction to Film Studies, Honors | |
| FS/ENG 173 | Screenwriting I | 3 |
| or FP 102 | Writing for Television | |
| Complete three courses from the following: | | 9 |
| FP 160 | Television Studio Production | |
| FP 165 | Television Field Production | |
| FP 178 | Documentary Filmmaking | |
| FP 207 | Color Correction for Film | |
| FP 214 | Non-Linear Editing II | |
| FP 270 | Cinematography II | |
| FP 276 | Production II: Commercial Applications | |
| FP 279 | Motion Graphics and Compositing | |
| FP 285 | Directing For The Camera II | |
| FS 174 | Screenwriting II | |
| TA 218 | Acting for the Camera | |
| **Total Units** | | **33.00-34.00** |

## Learning Outcomes

1. Conceive and script a short film.
2. Plan and budget a short film.
3. Shoot, light and record sound for a short crew production.
4. Edit and output a finished short film.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Independent Film Producing, Skills Competency Award (SCA)

## Overview

Designed to provide a focused skillset for those students interested in pursuing a career in Producing cinematic productions.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| FP 102 | Writing for Television | 3 |
| FP 111 | Independent Producing for Motion Pictures | 3 |
| FP 175 | Film and Video Production I | 3 |
| FP 275 | Production II: Narrative Filmmaking | 3 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Design and construct a professional independent film proposal.
2. Schedule, budget and organize a short independent film production.

# Motion Graphics and Broadcast Design, Skills Competency Award (SCA)

## Overview

Designed to provide a focused skillset for those students interested in pursuing a career in Motion Graphics or Broadcast Design.

Upon completion of the Skills Competency Award in Motion Graphics & Broadcast Design, the following competencies will be achieved:

1. Prepare and ingest a variety of digital still, video and audio formats, then design and animate those elements for a broadcast or cinematic production.
2. Color Correct all visual elements into a cohesive whole to broadcast standards.
3. Integrate the finished animation into a Non-Linear Editing workflow.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| FP 114 | Non-Linear Editing I | 3 |
| FP 175 | Film and Video Production I | 3 |
| FP 207 | Color Correction for Film | 3 |
| FP 279 | Motion Graphics and Compositing | 3 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Prepare and ingest a variety of digital still, video and audio formats, then design and animate those elements for a broadcast or cinematic production.
2. Color Correct all visual elements into a cohesive whole to broadcast standards.
3. Integrate the finished animation into a Non-Linear Editing workflow.

# Graphic Design and Photography

## Graphic Design and Photography Overview

The Graphic Design and Photography department cultivates the creation of powerful images and visual communication through an approach that combines art and technology. The programs begin with foundation courses that focus on the elements and principles of the discipline and also train students with industry-standard technology and equipment. Fundamentals of design and composition, as well as creative thinking and problem-solving techniques, give students a strong foundation for

entry into the workforce, as well as for advanced study at other colleges and universities. Students work in a state-of-the-art digital arts center for hands-on training with digital tools and printers.

# Graphic Design Concentration

With strong foundation courses in design and layout, typography, and creative thinking, students learn to create unique, professional, and creative designs from concept to final work. The Graphic Design program emphasizes the importance of concept and message, and the power that these have to communicate. Design history, theory, and professional practices are integrated into the curriculum. Challenging and varied studio projects develop technical proficiency in designing for print and screen media—including branding, illustration, advertising design, and publication design.

## Career Opportunities in Graphic Design

- Art Director
- Creative Director
- Junior/Senior Graphic Designer
- Freelance Graphic Designer/Graphic Artist
- Brand Designer
- UX/UI Designer
- Illustrator

## Programs of Study

### Associate Degree

- Graphic Design and Photography, Associate of Arts (AA): Graphic Design Concentration (p. 275)

### Certificates of Achievement

- Graphic Design and Photography, Certificate of Achievement (C): Graphic Design Concentration (p. 276)
- Introduction to Graphic Design, Certificate of Achievement (C) (p. 278)

### Skills Competency Awards

- Digital Visual Foundation, Skills Competency Award (SCA) (p. 275)
- Graphic Design, Skills Competency Award (SCA): Entrepreneur I (p. 277)
- Graphic Design, Skills Competency Award (SCA): Entrepreneur II (p. 277)

# Digital Visual Foundation, Skills Competency Award (SCA)

## Overview

Graphic Design offers a Skills Competency Award in Digital Visual Foundation. This award provides essential knowledge, processes, principles and skills for visual design and production for print and visual media. The student is introduced to key 21st Century digital skills needed to be successful in the media arts. This award can work well as a stand-alone award, or as the basis for study in graphic design, mutimedia, visual media production or other areas.

## Requirements

### Skills Competency Award Requirements

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| GDP 110 | Media Design | 3 |
| GDP 111 | Introduction to Graphic Design | 3 |
| GDP 112 | Digital Literacy for Media Artists and Designers | 3 |
| MAT 112 | Digital Drawing | 3 |
| MAT 131 | Digital Imaging I | 3 |
| **Total Units** | | **15.00** |

## Learning Outcomes

1. Apply the iterative design process using elements and principles of visual design.
2. Identify and apply the theory and practice of interaction design, visualization and software art through introductory programming languages.
3. Demonstrate awareness of computer tools and processes used in visual design.
4. Analyze and critique visual design work in verbal and written form.

# Graphic Design and Photography, Associate of Arts (AA): Graphic Design Concentration

## Overview

The Graphic Design & Photography Department offers a two-year Associate in Arts Degree. The Associate in Arts Degree prepares a student for transfer to four year institutions such as: Cal Poly, San Luis Obispo; California State University, Long Beach; California State University, San José; California State University, Los Angeles, CalArts, CCA or OTIS. It also provides career technical training and education in creative problem-solving that can be used to qualify for jobs in the Graphic Design field after completion.

The goal of the Graphic Design curriculum is to develop creativity, conceptualisation and problem-solving skills, as well as train in the tools of the industry. The program begins with a foundation in design elements and principles applied to digital and analog tools. Then proceeds to encourage students to "learn to see" and develop their skills in creating unique and interesting concepts and solutions. Digital tools instruction, design principles, creative thinking, and problem-solving techniques, as they apply to the graphic arts, give the student a strong foundation for entry into the workforce, and for advanced study at other colleges and universities. Students work in a state-of-the-art Digital Arts Center for hands-on digital tools training.

Graphic Design students create projects using all manner of digital tools that integrate typography, page layout, illustration, photography, and

color management. The curriculum is based on the belief that the graphic designer is a visual and verbal communicator who is able to develop creative solutions for a variety of design and communication problems.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| GDP 110 | Media Design | 3 |
| GDP 111 | Introduction to Graphic Design | 3 |
| GDP 112 | Digital Literacy for Media Artists and Designers | 3 |
| or GDP 116 | History of Graphic Design | |
| GDP 113 | Typography | 3 |
| GDP 114 | Intermediate Graphic Design | 3 |
| GDP 118 | Creative Thinking | 3 |
| GDP 212 | Graphic Design II | 3 |
| GDP 215 | Publication Design | 3 |
| GDP 230 | Portfolio | 3 |
| Complete one course from the following: | | 3 |
| ART 193 | Beginning Printmaking: Silkscreen | |
| MAT 153 | Web Design I | |
| PHOT 109 | Introduction to Photography | |
| **Total Units** | | **30.00** |

**Strongly Recommended**

| Code | Title | Units |
|---|---|---|
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 140 | Studio Art Foundations (2-D) | 3 |

# Learning Outcomes

1. Apply design principles to both print and screen layouts.
2. Demonstrate proficiency using industry-standard software to produce graphic design layouts that are print-ready digital files.

3. Define professional terminology for the graphic design and print industry.
4. Demonstrate a sense of aesthetics for design and typography in the visual communication field.
5. Identify and apply their creative abilities to communicate ideas with confidence.
6. Demonstrate effective evaluation techniques, such as critiquing, to test and revise ideas and designs.
7. Develop professional quality design concepts and layouts.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Graphic Design and Photography, Certificate of Achievement (C): Graphic Design Concentration

## Overview

The Graphic Design & Photography Department offers a one-year Graphic Design Certificate. This certificate provides career technical training and education in creative problem-solving that can be used to qualify for jobs in the Graphic Design field after completion. It also prepares a student for transfer to four year institutions such as: Cal Poly, San Luis Obispo; California State University, Long Beach; California State University, San José; California State University, Los Angeles, CalArts, CCA or OTIS.

The goal of the Graphic Design curriculum is to develop creativity, conceptualisation and problem-solving skills, as well as train in the tools of the industry. The program begins with a foundation in design elements and principles applied to digital and analog tools. Then proceeds to encourage students to "learn to see" and develop their skills in creating unique and interesting concepts and solutions. Digital tools instruction, design principles, creative thinking, and problem-solving techniques, as they apply to the graphic arts, give the student a strong foundation for entry into the workforce, and for advanced study at other colleges and universities. Students work in a state-of-the-art Digital Arts Center for hands-on digital tools training.

Graphic Design students create projects using all manner of digital tools that integrate typography, page layout, illustration, photography, and color management. The curriculum is based on the belief that the graphic designer is a visual and verbal communicator who is able to develop creative solutions for a variety of design and communication problems.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| GDP 110 | Media Design | 3 |
| GDP 111 | Introduction to Graphic Design | 3 |
| GDP 112 | Digital Literacy for Media Artists and Designers | 3 |
| or GDP 116 | History of Graphic Design | |
| GDP 113 | Typography | 3 |
| GDP 114 | Intermediate Graphic Design | 3 |
| GDP 118 | Creative Thinking | 3 |
| GDP 212 | Graphic Design II | 3 |
| GDP 215 | Publication Design | 3 |
| GDP 230 | Portfolio | 3 |
| Complete one course from the following: | | 3 |
| ART 193 | Beginning Printmaking: Silkscreen | |
| MAT 153 | Web Design I | |
| PHOT 109 | Introduction to Photography | |
| **Total Units** | | **30.00** |

**Strongly Recommended**

| Code | Title | Units |
|------|-------|-------|
| ART 120 | Fundamentals Of Drawing | 3 |
| ART 140 | Studio Art Foundations (2-D) | 3 |

## Learning Outcomes

1. Apply design principles to both print and screen layouts.
2. Demonstrate proficiency using industry-standard software to produce graphic design layouts that are print-ready digital files.
3. Define professional terminology for the graphic design and print industry.
4. Demonstrate a sense of aesthetics for design and typography in the visual communication field.
5. Identify and apply their creative abilities to communicate ideas with confidence.
6. Demonstrate effective evaluation techniques, such as critiquing, to test and revise ideas and designs.
7. Develop professional quality design concepts and layouts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Graphic Design, Skills Competency Award (SCA): Entrepreneur I

## Overview

This Skills Competency Award provides the student with a foundation in Graphic Design and an understanding of the digital process when designing for print. They will also learn skills to promote their work and to develop entrepreneurial skills. These new skills will give the student the tools to become successful in managing their own design business.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| ENT 202 | Entrepreneurship: Idea to Business Model | 3 |
| ENT 203 | Marketing Plan Development | 3 |
| GDP 111 | Introduction to Graphic Design | 3 |
| GDP 113 | Typography | 3 |
| GDP 114 | Intermediate Graphic Design | 3 |
| GDP 118 | Creative Thinking | 3 |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Apply design principles to both print and screen layouts.
2. Demonstrate proficiency using industry-standard software to produce graphic design layouts that are print-ready digital files.
3. Demonstrate a sense of aesthetics for design and typography in the visual communication field.
4. Apply entrepreneurial skills to develop freelance business.

# Graphic Design, Skills Competency Award (SCA): Entrepreneur II

## Overview

This certificate builds on the Graphic Design Entrepreneurial I program. It continues to provide the student with strong Graphic Design tools to develop a professional portfolio. Entrepreneurial skills are expanded on giving the student the necessary tools to become successful in managing their own design business.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| ENT 205 | Financial Management for Startups | 3 |
| ENT 208 | Business Plan Development | 3 |
| GDP 212 | Graphic Design II | 3 |
| GDP 215 | Publication Design | 3 |
| GDP 230 | Portfolio | 3 |
| MKT/MAT 164 | Online and Mobile Marketing | 3 |

| Code | Title | Units |
|---|---|---|
| or MKT 203 | Marketing Communications | |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Apply advanced design principles to both print and screen layouts and create a professional portfolio.
2. Demonstrate proficiency using industry-standard software to produce graphic design layouts that are print-ready digital files.
3. Demonstrate a sense of aesthetics for design and typography in the visual communication field.
4. Identify and apply their creative abilities to communicate ideas with confidence.
5. Apply entrepreneurial skills to improve their freelance business.

# Introduction to Graphic Design, Certificate of Achievement (C)

## Overview

The Graphic Design & Photography Department offers a Certificate of Completion in Graphic Design. The Certificate of Completion provides students with a solid foundation to understanding of the design process from concept to printed piece. Students gain knowledge of both the creative process and industry-standard computer tools and software used in Graphic Design.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| GDP 110 | Media Design | 3 |
| GDP 111 | Introduction to Graphic Design | 3 |
| GDP 113 | Typography | 3 |
| GDP 114 | Intermediate Graphic Design | 3 |
| GDP 116 | History of Graphic Design | 3 |
| GDP 118 | Creative Thinking | 3 |
| **Total Units** | | **18.00** |

**Strongly Recommended**

| Code | Title | Units |
|---|---|---|
| ART 120 | Fundamentals Of Drawing | 3 |
| PHOT 109 | Introduction to Photography | 3 |

## Learning Outcomes

1. Apply design principles to both print and screen layouts.
2. Demonstrate proficiency using industry-standard software to produce graphic design layouts that are print-ready digital files.
3. Define professional terminology for the graphic design and print industry.
4. Demonstrate a sense of aesthetics for design and typography in the visual communication field.
5. Identify and apply their creative abilities to communicate ideas with confidence.
6. Demonstrate effective evaluation techniques, such as critiquing, to test and revise ideas and designs.
7. Develop professional quality design concepts and layouts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Health Information Technology and Cancer Information

The Health Information Technology (HIT) and Cancer Information Management(CIM) Department offers degrees and certificates in HIT, CIM, Medical Coding, and Data Analytics. Completion of these degrees and certificates prepares students to sit for national credentialing exams. The HIT and CIM programs are accredited and the Medical Coding program is nationally approved. These programs lead to various jobs in healthcare settings, including those in data management, revenue management, privacy and security, electronic health records, tumor registry and more.

These programs are all offered completely online. Students must have access to the Internet to enroll in these programs and must complete online orientation activities as the first assignment of each course. Students must meet online technical requirements. Core elements of each online lecture course include successful completion of the course objectives using the Internet, textbooks, study materials and computer applications. For some programs, a professional directed practice, under the guidance of a clinical preceptor, is required at facilities as close as possible to each student's location.  See the HIT/CIM Department website for more information, www.sbcc.edu/hit.

**Planning a Program of Study**

Continually updated program information is available at www.sbcc.edu/HIT (https://catalog.sbcc.edu/academic-departments/health-information-technology-cancer-information/www.sbcc.edu/HIT/).

## Programs of Study

**Associate Degrees**

- Cancer Information Management, Associate of Science (AS) (p. 279)
- Health Information Technology, Associate of Science (AS) (p. 280)

**Certificates of Achievement**

- Cancer Information Management, Certificate of Achievement (C) (p. 279)
- Healthcare Data Analytics, Certificate of Achievement (C) (p. 281)
- Medical Coding Specialist, Certificate of Achievement (C) (p. 282)

# Cancer Information Management, Associate of Science (AS)

## Overview

The Cancer Information Management (CIM) Program will prepare students for positions in hospital-based and population-based cancer registries.  Responsibilities typically include: identification of reportable cancer cases, abstraction of pertinent cancer data from patient records, pathology, radiology, and surgical reports, coding and staging primary site, histology and extent of disease, monitoring completeness, timeliness, and quality of cancer data, performing cancer patient follow-up activities to identify second primaries, recurrence and spread of disease, reporting cancer data to health care officials, hospital administrators, physicians, and regulatory organizations for use in cancer prevention and control, assisting the medical staff and epidemiologists in special studies and research, and supervising staff.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Recommended sequence of courses: | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| HIT 135 | Basic Medical Terminology | 3 |
| BMS 146 | Human Form and Function | 3 |
| CIM 100 | Cancer Registry Management I | 3 |
| HIT 101 | Introduction to Health Information Management | 3 |
| HIT 204 | Basic Pathophysiology | 3 |
| CIM 125 | Cancer Disease Management | 4 |
| CIM 201 | Abstracting Principles And Practice I | 3 |
| CIM 150 | Oncology Coding And Staging Systems | 4 |
| CIM 202 | Abstracting Principles And Practice II | 3 |
| CIM 225 | Cancer Registry Management II | 2 |
| CIM 250 | Cancer Statistics And Epidemiology | 3 |
| HIT 240 | HC Quality Management | 3 |
| MGMT 101 | Introduction To Management | 3 |
| CIM 275 | CIM Practicum [1] | 4.5 |
| **Total Units** | | **48.50** |

[1] All CIM classes must be completed before enrolling in CIM 275 CIM Practicum. A background check, health check, drug screen, and/or other requirements may be mandated by the host facility. These requirements are at the student's expense.

## Learning Outcomes

1. Demonstrate ability to coordinate all functions related to an approved American College of Surgeons program.
2. Apply legal, ethical, accreditation and certification standards to the cancer registry and demonstrate professional behavior in these areas.
3. Evaluate and interpret current coding and staging guidelines to identify cancer disease and its process, while documenting quality abstracts.
4. Apply current treatment guidelines/codes, while documenting quality abstracts
5. Participate in follow-up procedures and data quality analysis and utilization to improve patient care and facilitate with facility planning/expansion.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Cancer Information Management, Certificate of Achievement (C)

## Overview

The Cancer Information Management (CIM) Program will prepare students for positions in hospital-based and population-based cancer registries. Responsibilities typically include: identification of reportable cancer cases, abstraction of pertinent cancer data from patient records, pathology, radiology, and surgical reports, coding and staging primary site, histology and extent of disease, monitoring completeness, timeliness, and quality of cancer data, performing cancer patient follow-up activities to identify second primaries, recurrence and spread of disease, reporting cancer data to health care officials, hospital administrators, physicians, and regulatory organizations for use in cancer prevention and control, assisting the medical staff and epidemiologists in special studies and research, and supervising staff.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Recommended sequence of courses: | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| HIT 135 | Basic Medical Terminology | 3 |
| BMS 146 | Human Form and Function | 3 |
| CIM 100 | Cancer Registry Management I | 3 |
| HIT 101 | Introduction to Health Information Management | 3 |
| HIT 204 | Basic Pathophysiology | 3 |
| CIM 125 | Cancer Disease Management | 4 |
| CIM 201 | Abstracting Principles And Practice I | 3 |
| CIM 150 | Oncology Coding And Staging Systems | 4 |
| CIM 202 | Abstracting Principles And Practice II | 3 |
| CIM 225 | Cancer Registry Management II | 2 |
| CIM 250 | Cancer Statistics And Epidemiology | 3 |
| HIT 240 | HC Quality Management | 3 |
| MGMT 101 | Introduction To Management | 3 |
| CIM 275 | CIM Practicum [1] | 4.5 |
| **Total Units** | | **48.50** |

[1] All CIM classes must be completed before enrolling in CIM 275 CIM Practicum. A background check, health check, drug screen, and/or other requirements may be mandated by the host facility. These requirements are at the student's expense.

## Learning Outcomes

1. Demonstrate ability to coordinate all functions related to an approved American College of Surgeons program.
2. Apply legal, ethical, accreditation and certification standards to the cancer registry and demonstrate professional behavior in these areas.
3. Evaluate and interpret current coding and staging guidelines to identify cancer disease and its process, while documenting quality abstracts.
4. Apply current treatment guidelines/codes, while documenting quality abstracts
5. Participate in follow-up procedures and data quality analysis and utilization to improve patient care and facilitate with facility planning/expansion.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Health Information Technology, Associate of Science (AS)

## Overview

The Health Information Technology (HIT) Program prepares students for a career that places them right where the expanding arena of healthcare meets the cutting edge of technology.  HIT professionals are the experts on patient data that consumers need to manage their own health and which healthcare providers rely on to perform their jobs.  By collecting, maintaining, and analyzing health information, their work makes an important contribution to the delivery of quality care.

Graduates of this program will be granted an Associate of Science Degree in Health Information Technology.  The HIT program is accredited by the Commission for Health Informatics and Information Management Education (CAHIIM).  A graduate may take the national certifying exam offered by the American Health Information Management Association (AHIMA) to become a Registered Health Information Technician (RHIT).

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Recommended sequence of courses, offered online: | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| HIT 135 | Basic Medical Terminology | 3 |
| BMS 146 | Human Form and Function | 3 |
| HIT 101 | Introduction to Health Information Management | 3 |
| HIT 102 | Legal Aspects Of Health Care | 3 |
| HIT 204 | Basic Pathophysiology | 3 |
| HIT 201 | Pharmacology For Allied Health | 2 |
| HIT 202 | International Classification of Diseases, Diagnostic Coding | 2 |

| HIT 203 | International Classification of Diseases, Procedural Coding | 3 |
|---|---|---|
| HIT 210 | CPT Procedural Coding | 3 |
| HIT 255 | Medical Insurance and Reimbursement Methodologies [1] | 4 |
| HIT 220 | HIM Statistics | 2 |
| HIT 240 | HC Quality Management | 3 |
| HIT 265 | HIM Computer Applications | 3 |
| MATH 117 | Elementary Statistics | 4 |
| MGMT 101 | Introduction To Management | 3 |
| HIT 275 | HIT Practicum | 4.5 |
| **Total Units** | | **52.50** |

[1] This requirement may be met by HIT 150 plus HIT 250.

[2] It is recommended that all HIT classes be completed before HIT 275 is begun. A background check and drug screen may be required by the host facility at the student's expense.

## Learning Outcomes

1. Apply biomedical knowledge to the process of clinical code assignment.
2. Analyze and communicate clinical and statistical data to improve patient care and facilitate financial planning.
3. Apply and demonstrate legal, ethical, accreditation and certification standards to health information.
4. Participate in planning and implementing clinical and administrative information systems in traditional and alternative healthcare settings.
5. Apply departmental and organizational standards to data storage, retrieval, retention and security.
6. Demonstrate the ability to work effectively as an individual and collaboratively in a group to resolve health information management challenges in a changing healthcare environment.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Healthcare Data Analytics, Certificate of Achievement (C)

## Overview

The Health Information Technology program at SBCC provides online certificate and degrees to students within the South Central Coast Region (and throughout California). The two year associate degree curriculum is the core educational requirement for the Registered Health Information Technician (RHIT) exam; however, completion of one or more specialty tracks allows graduates more options for specialization. One of the specialty tracks recommended by the American Health Information Management Association (AHIMA) is in Health Data Analytics. Completion of the Health Data Analytics specialty track would provide a path to an additional AHIMA credential: the Certified Health Data Analyst (CHDA) credential. AHIMA's recently published workforce

study noted that HIM professionals recognize data analysis as the top needed skill in the future. Currently only 280 individuals hold the CHDA credential.

This proposal focuses on Health care which is a priority sector within the South Central Coast region. Furthermore, this proposal targets a trending job (i.e., HIT Data Analytics Specialist) that has been identified by our regional Deputy Sector Navigator (Health).

The future of HIM must be associated with knowledge workers with high degrees of specialization, which will provide more significant opportunity for individuals with associate degrees. The technical HIM professional level (associate degree) will be more focused, or specialized, bringing awareness to the employer community that associate degree-educated HIM professionals have a deep knowledge in a specific area HIM practice (for example, privacy, auditing, coding, data analysis, etc.).

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CIS 101 | Introduction to Computers and Information Systems | 4 |
| BMS 146 | Human Form and Function | 3 |
| HIT 101 | Introduction to Health Information Management | 3 |
| HIT 102 | Legal Aspects Of Health Care | 3 |
| HIT 135 | Basic Medical Terminology | 3 |
| HIT 204 | Basic Pathophysiology | 3 |
| HIT 202 | International Classification of Diseases, Diagnostic Coding | 2 |
| HIT 203 | International Classification of Diseases, Procedural Coding | 3 |
| HIT 255 | Medical Insurance and Reimbursement Methodologies | 4 |
| HIT 220 | HIM Statistics | 2 |
| HIT 240 | HC Quality Management | 3 |
| HIT 265 | HIM Computer Applications | 3 |
| CIS 107 | Introduction to Database Systems | 4 |
| MATH 117 | Elementary Statistics | 4 |
| **Total Units** | | **44.00** |

## Learning Outcomes

1. Recognize relationships among data in clinical and public health settings.
2. Apply laws and theories to practical situations in clinical and public health settings.
3. Calculate solutions to mathematical problems; interpret charts and translate graphic data; classify items; interpret information; perform multiple calculations to arrive at one answer.
4. Revise and apply policies, procedures, or plans for the use of networks, including intranet and internet applications to facilitate the

electronic health record (EHR), personal health record (PHR), public health, and other administrative applications.

5. Evaluate and compare solutions, case scenarios, reports, plans, ideas, or aspects of a problem and select an appropriate solution for responsive action.

6. Create user-friendly, concise reports to facilitate decision-making using internal and external data sources.

7. Design metrics and criteria to collect and interpret data to recommend solutions to improve business processes and outcomes.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Medical Coding Specialist, Certificate of Achievement (C)

## Overview

This completely online certificate program prepares students for a position as a medical coder in an acute care hospital, clinic or physician's office, long-term care facility, or other health care settings. Coders ensure that valid codes are applied to medical diagnoses and procedures to facilitate reimbursement, analysis of patient outcomes, and research. The Medical Coding Specialist Certificate of Achievement prepares students to sit for the national certification examination to become a Certified Coding Associate (CCA). Students in this program must receive a grade of C or better in all courses to be eligible to graduate with this certificate of achievement. The program is approved by the American Health Information Management Association (AHIMA).

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Recommended sequence of courses: | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| or CIS 101 | Introduction to Computers and Information Systems | |
| HIT 135 | Basic Medical Terminology | 3 |
| BMS 146 | Human Form and Function | 3 |
| HIT 101 | Introduction to Health Information Management | 3 |
| HIT 102 | Legal Aspects Of Health Care | 3 |
| HIT 204 | Basic Pathophysiology | 3 |
| HIT 201 | Pharmacology For Allied Health | 2 |
| HIT 202 | International Classification of Diseases, Diagnostic Coding | 2 |
| HIT 203 | International Classification of Diseases, Procedural Coding | 3 |
| HIT 210 | CPT Procedural Coding | 3 |
| HIT 255 | Medical Insurance and Reimbursement Methodologies [1] | 4 |
| HIT 205 | Advanced Coding Applications | 4 |
| HIT 280 | Medical Coding Practicum [2] | 1 |
| **Total Units** | | **38.00** |

[1]  HIT 150 plus HIT 250 will also satisfy this requirement.
[2]  With the exception of HIT 205, all HIT classes must be completed prior to enrolling in HIT 280 Medical Coding Practicum. A background check, health check, drug screen, and/or other requirements may be mandated by the host facility. All requirements are at the student's expense.

## Learning Outcomes

1. Apply biomedical knowledge to the process of clinical code assignment .

2. Analyze and communicate clinical and statistical data to improve patient care and facilitate financial planning.

3. Apply and demonstrate legal, ethical, accreditation and certification standards to health information.

4. Participate in planning and implementing clinical and administrative information systems in traditional and alternative health care settings.

5. Apply departmental and organizational standards to data storage, retrieval, retention and security.

6. Demonstrate the ability to work effectively as an individual and collaboratively in a group to resolve health information management challenges in a changing health care environment.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# History

History is the disciplined study of the human past. Santa Barbara City College offers a varied and integrated curriculum in history. For the major, the History Department provides the opportunity to pursue creative, critical and analytical historical thought in a rigorous manner. For the non-major, the History Department's courses offer enrichment, support and perspective to the student's major field of interest. Central to the liberal arts, history supplies a solid foundation for business, legal studies and education, as well as graduate study. Introductory courses normally precede more specialized offerings.

## Programs of Study

**Associate Degree for Transfer**

- History, Associate in Arts for Transfer (AA-T) (p. 283)

**Associate Degree**

# History, Associate of Arts (AA)

## Overview

History is the disciplined study of the human past. Santa Barbara City College offers a varied and integrated curriculum in history. The History Department provides the opportunity to pursue creative, critical and analytical historical thought in a rigorous manner. Central to the liberal arts, history supplies a solid foundation for business, legal studies and education, as well as graduate study.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3-4 |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 103 | History of Western Civilization | 3 |
| or HIST 107 | World Civilization, Beginnings to 1550 | |
| HIST 104 | History of Western Civilization | 3-4 |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| or HIST 108 | World Civilization, 1550 to Present | |
| Complete one course from the following (U.S. and Europe): | | 3-4 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| BLST 101 | The African-American In U.S. History To World War II | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| ETHS 101 | The Immigrant Experience in the U.S. | |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| HIST 110 | History of American Women | |
| or HIST 110H | History Of American Women (Honors) | |
| HIST 111 | The American West as Frontier and Region | |
| HIST/ENVS 112 | American Environmental History | |
| HIST 120 | Modern Europe | |
| HIST 121 | History Of Great Britain | |
| HIST 122 | History Of Great Britain | |
| NATA 101 | American Indian: Past and Present | |
| Complete one course from the following (non-Western): | | 3 |
| HIST 115 | The Vietnam Wars | |
| HIST 127 | History Of Russia | |
| HIST 133 | History of Latin America | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| HIST 135 | History of Mexico | |
| HIST 137 | History of Religions of The Middle East | |
| HIST 138 | History of the Modern Middle East | |
| **Total Units** | | **18.00-21.00** |

## Learning Outcomes

1. Incorporate evidence derived from primary and secondary sources to support a thesis.
2. Evaluate historical evidence for bias and for relevance to major historical issues and controversies.
3. Identify change over time, cross-cultural connections, and links between past and present.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# History, Associate in Arts for Transfer (AA-T)

The goal of the History Program at Santa Barbara City College is to prepare students to develop the fundamental understanding of history, the disciplined study of the human past. Santa Barbara City College offers a varied and integrated curriculum in history. The History Department provides the opportunity to pursue creative, critical and analytical historical thought in a rigorous manner. Central to the liberal arts, history supplies a solid foundation for business, legal studies and education, as well as graduate study.

The Associate in Arts for Transfer degree in History provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a

special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Required Core Courses** | | |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 102 | History of the U.S. Since 1865 | 3-4 |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| List A - Complete two courses from the following: | | 6-7 |
| HIST 103 | History of Western Civilization | |
| or HIST 107 | World Civilization, Beginnings to 1550 | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| or HIST 108 | World Civilization, 1550 to Present | |
| List B - Complete one course from Group 1 and one course from Group 2 (see course options listed below): | | 6-10 |
| **Total Units** | | **18.00-24.00** |

**Group 1**

| Code | Title | Units |
|---|---|---|
| HIST 107 | World Civilization, Beginnings to 1550 [1] | 3 |
| or HIST 108 | World Civilization, 1550 to Present | |
| ASL 101 | Beginning American Sign Language I | 5 |
| ASL 102 | Beginning American Sign Language II | 5 |
| ASL 103 | Intermediate American Sign Language I | 5 |
| ASL 104 | Intermediate American Sign Language II | 5 |
| ARBC 101 | Beginning Modern Standard Arabic I | 5 |
| ARBC 102 | Beginning Modern Standard Arabic II | 5 |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | 3 |
| ASAM 102 | Contemporary Asian-American History | 3 |
| BLST 101 | The African-American In U.S. History To World War II | 3 |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | 3-4 |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| BLST 103 | African-American Culture | 3 |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | 3 |
| CHST 103 | Mexican-American (Chicano) Culture | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | 3 |
| CHST 114 | Borderlands Literature: U.S.-Mexico | 3 |
| CHST 115 | Introduction To Mexican Literature | 3 |
| CHST 121 | The Chicana And Other Latina Women | 3 |
| CHIN 101 | Beginning Chinese I | 5 |
| CHIN 102 | Beginning Chinese II | 5 |
| CHIN 103 | Intermediate Chinese | 5 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3-4 |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| ETHS/SOC 107 | Racism In America | 3 |
| ETHS 121 | Women of Color In The U.S. | 3 |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | 3 |
| FR 101 | Beginning French I | 5 |
| FR 102 | Beginning French II | 5 |
| FR 103 | Intermediate French I | 5 |
| FR 104 | Intermediate French II | 5 |
| GER 101 | Beginning German I | 5 |
| GER 102 | Beginning German II | 5 |
| GER 103 | Intermediate German I | 5 |
| GER 104 | Intermediate German II | 5 |
| HEBR 101 | Beginning Modern Hebrew I | 5 |
| HEBR 102 | Beginning Modern Hebrew II | 5 |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | 3 |
| HIST 135 | History of Mexico | 3 |
| HIST 137 | History of Religions of The Middle East | 3 |
| HIST 138 | History of the Modern Middle East | 3 |
| ITAL 101 | Beginning Italian I | 5 |
| ITAL 102 | Beginning Italian II | 5 |
| ITAL 103 | Intermediate Italian I | 5 |
| ITAL 104 | Intermediate Italian II | 5 |
| JAPN 101 | Beginning Japanese I | 5 |
| JAPN 102 | Beginning Japanese II | 5 |
| JAPN 103 | Intermediate Japanese I | 5 |
| JAPN 104 | Intermediate Japanese II | 5 |
| KOR 101 | Beginning Korean I | 5 |
| KOR 102 | Beginning Korean II | 5 |
| LATN 101 | Beginning Latin I | 5 |
| LATN 102 | Beginning Latin II | 5 |
| NATA 101 | American Indian: Past and Present | 3 |

| NATA 102 | The Native American In 20th Century Society | 3 |
|---|---|---|
| NATA 103 | Native American Cultural Heritage | 3 |
| NATA 104 | California Indians | 3 |
| NATA 105 | California Tribes: The Chumash | 3 |
| NATA 113 | The Indian In Literature: Fact And Fiction | 3 |
| SPAN 101 | Beginning Spanish I | 5 |
| SPAN 102 | Beginning Spanish II | 5 |
| SPAN 103 | Intermediate Spanish I | 5 |
| SPAN 104 | Intermediate Spanish II | 5 |
| SPAN 146 | Intermediate Spanish for Native Speakers I | 5 |
| SPAN 147 | Intermediate Spanish for Native Speakers II | 5 |
| SPAN 150 | Advanced Spanish | 4 |
| SPAN 160 | Advanced Spanish | 4 |

[1] HIST 107 or 108 may satisfy Group 1 only if not used to meet a List A requirement.

**Group 2**

| Code | Title | Units |
|---|---|---|
| Any List A courses not selected above | | |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 109 | Comparative World Cultures | 3 |
| ANTH 113 | Witchcraft, Magic, Science And Religion | 3 |
| ART 102A | Early Twentieth Century Art, 1900-1945 | 3 |
| ART 102B | Late Twentieth Century Art | 3 |
| ART 103 | History of Art, Prehistoric to Gothic | 3 |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104 | History of Art, Renaissance to Modern | 3 |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 106 | History Of American Art | 3 |
| ART 108 | History of Asian Art | 3 |
| ART 110 | History of Women in Art | 3 |
| ART 111 | Survey Of Tribal Arts | 3 |
| ART 112 | Survey Of Ancient American Art | 3 |
| ART 211 | Nineteenth Century Art | 3 |
| ART 215 | Survey Of Non-Western Art | 3 |
| ART 216 | Survey Of Islamic Art And Architecture | 3 |
| CHST 130 | History Of Mexican Art | 3 |
| CHST 131 | History Of Chicano Art | 3 |
| COMM 151 | Intercultural Communication | 3 |
| ECON 101 | Microeconomics | 3-4 |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | 3-4 |
| or ECON 102H | Macroeconomics, Honors | |
| ENG 221 | Survey of British Literature: 800-1798 | 3-4 |
| or ENG 221H | Survey of British Literature 800-1798, Honors | |

| ENG 222 | Survey of British Literature: 1798-Present | 3-4 |
|---|---|---|
| or ENG 222H | Survey of British Literature: 1798-Present, Honors | |
| ENG 225 | American Literature: Pre-Colonization to 1865 | 3 |
| ENG 226 | American Literature: 1865-present | 3-4 |
| or ENG 226H | American Literature, Honors | |
| ENG 231 | World Literature: Ancient Times to 16th Century | 3 |
| ENG 232 | World Literature: 17th Century to Present | 3 |
| ENG 241 | Contemporary Women Writers | 3 |
| ENVS/HIST 112 | American Environmental History | 3 |
| ERTH 142/ GEOG 105 | Economic Geography | 3 |
| FS 116 | Gender and Sexuality in Film | 3 |
| GEOG 102 | Human Geography | 3 |
| GEOG 104 | World Regional Geography | 3 |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| HIST 110 | History of American Women | 3-4 |
| or HIST 110H | History Of American Women (Honors) | |
| HIST 111 | The American West as Frontier and Region | 3 |
| HIST 115 | The Vietnam Wars | 3 |
| HIST 120 | Modern Europe | 3 |
| HIST 121 | History Of Great Britain | 3 |
| HIST 122 | History Of Great Britain | 3 |
| HIST 127 | History Of Russia | 3 |
| NATA 112 | Native American Visual And Musical Art | 3 |
| PHIL 100 | Introduction to Philosophy | 3-4 |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| PHIL 101 | Introduction to Ethics | 3-4 |
| or PHIL 101H | Introduction To Ethics, Honors | |
| PHIL 102 | Comparative World Religions | 3 |
| PHIL 200 | History Of Philosophy: Ancient | 3 |
| PHIL 201 | History of Philosophy: Modern | 3 |
| PHIL 203 | History Of Philosophy: Contemporary | 3 |
| PHIL 207A | Comparative Philosophy, East And West | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 104 | American Government: Policy Issues/ Process | 3 |
| POLS 121 | International Politics | 3-4 |
| or POLS 121H | International Politics, Honors | |
| POLS 131 | Comparative Politics | 3 |
| POLS 132 | Political Thinking | 3 |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Incorporate evidence derived from primary and secondary sources to support a thesis.
2. Evaluate historical evidence for bias and for relevance to major historical issues and controversies.
3. Identify change over time, cross-cultural connections, and links between past and present.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Honors

Honors students are not born; they are made when people decide they are ready to challenge themselves. The Honors Program at SBCC believes that all students can be Honors students and seeks students who want to be part of a community of faculty and students. The Honors Program uses a rewarding and challenging interdisciplinary approach to general education. Each year the Honors Program focuses on a shared theme, chosen by Honors students. This creates a more coherent, interesting approach to GE and IGETC requirements, allowing Honors students to investigate ideas across disciplines while making lasting friendships. Our mini-communities, called PODS, are arranged around particular interests and encourage students to know each other. The Program kicks off each semester with a field trip. Each spring, we host an academic conference, open to all SBCC students. Our innovative approach to education, combined with students' own hard work, results in our 100% transfer rate. Students transfer to excellent schools, from the best UCs to private colleges and universities, including NYU and Columbia. Enrolling in the Honors Program and completing the certificate shapes independent learners who exercise their talents at their own highest level of excellence.

## Programs of Study

**Certificate of Achievement**

- Honors, Certificate of Achievement (C) (p. 286)

# Honors, Certificate of Achievement (C)

## Overview

Honors courses foster scholarship and individual, creative thought. The Honors program provides the opportunity to develop the skills of critical thinking, expository and argumentative writing, and effective oral communication. Challenging outside research, stimulating field trips and sophisticated literature prepare students to contribute to the development of the ideas and themes of the Honors courses. Over the last four years, Honors has hosted a campus-wide conference

on important topics such as revolution and the environment. Honors students help select the papers and run the conference. They contribute creative ideas to the conference's opening ceremony, and they then help select papers for publication on our online Honors website.

# Requirements

**Certificate of Achievement Requirements**

Complete all of the following:

1. A minimum of 18 units selected from the department requirements to include a minimum of 15 units of honors courses and at least one 3 unit IGETC or CSUGE course.
2. All department requirements for the certificate with a cumulative grade point average (GPA) of 3.2 or higher in honors classes.
3. All department requirements with a C or better or P  in each course.
4. A maximum of one honors course from other colleges may be applied to the honors certificate at the discretion of the Honors Program Director.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Complete 15 units of honors courses selected from the following: | | 15 |
| ANTH 101H | Physical Anthropology, Honors | |
| ANTH 102H | Introduction to Archaeology, Honors | |
| ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104H | History Of Art, Renaissance To Modern, Honors | |
| BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| COMM 121H | Interpersonal Communication, Honors | |
| COMM 131H | Fundamentals Of Public Speaking, Honors | |
| ECON 101H | Microeconomics, Honors | |
| ECON 102H | Macroeconomics, Honors | |
| ENG 110H | Composition and Reading, Honors | |
| ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| ENG 221H | Survey of British Literature 800-1798, Honors | |
| ENG 222H | Survey of British Literature: 1798-Present, Honors | |
| ENG 226H | American Literature, Honors | |
| ENG 292H | Advanced Literary Analysis, Honors | |
| ERTH 101H | Introductory Astronomy, Honors | |
| ERTH 111H | Dynamic Earth - Physical Geology, Honors | |
| ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| FS 101H | Introduction to Film Studies, Honors | |
| HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 110H | History Of American Women (Honors) | |
| HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| PHIL 100H | Introduction to Philosophy, Honors | |

| PHIL 101H | Introduction To Ethics, Honors | |
| POLS 121H | International Politics, Honors | |
| POLS 134H | Political Violence, Honors | |
| PSY 100H | General Psychology, Honors | |
| SOC 101H | Introduction to Sociology, Honors | |
| Complete at least one 3-unit IGETC or CSU GE course | | 3 |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Apply Program knowledge by describing what requirements are necessary for transferring to HTCC-agreement schools and certain UCs as an Honors student, when to apply for Honors Program scholarships, how to complete the Program, and how to receive the certificate.
2. Produce cross-disciplinary work centered on the Honors Program annual theme.
3. Articulate the ethical and social obligations of an engaged citizen.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Interdisciplinary Studies

Santa Barbara City College provides interdisciplinary instruction through courses in Science, Technology, Engineering and Mathematics, as well as in those covering various aspects of the social and behavioral sciences, oral communication, lifelong learning and self-development. Interdisciplinary courses emphasize innovation, diversity and collaboration.

Students planning to transfer to a four-year university should meet with an SBCC academic counselor to discuss the transfer process. Because admission and major preparation requirements vary at each transfer institution, students should select their General Education option and their coursework according to their academic and transfer goal to ensure appropriate academic planning. For detailed information on transfer requirements to the University of California and California State University systems, students should meet with a counselor and refer to www.assist.org (http://www.assist.org).

# Interior Design

Interior design focuses on the creation of interior environments that are both functional and pleasing. The field offers a variety of employment opportunities with interior design and architectural firms, kitchen and bath design studios, as well as with interior materials and furniture stores. A combination of education, work experience and passing the National Council for Interior Design Qualification (NCIDQ) exam is required for interior design professionals.

The SBCC Interior Design Program, offered within the Drafting CAD Department, provides comprehensive training for entry-level interior design positions. It is a vocational program, not a transfer program. Certificated, professionally experienced instructors teach all courses.

Successful completion of each Interior Design(ID) course earns full college credit. Students who complete the required Interior Design, Art, Art History and Drafting courses and controlled electives earn a Certificate of Achievement in Interior Design. Those who also complete institutional and General Education course requirements earn the Associate in Arts Degree in Interior Design. Courses are offered with an open enrollment policy; they are open to both ID majors and non-majors.

Interior Design classes have corequisites. A corequisite is a class that must be taken at the same time or before taking the class to which it is a corequisite. DRFT 120 Architectural Drafting I is a corequisite to ID 101 Space Planning And Lighting and ID 105 Kitchen And Bathroom Design, though it is advisable to take DRFT 120 Architectural Drafting I before taking these classes. DRFT 120 Architectural Drafting I must be taken before taking DRFT 124 Architectural Rendering I and DRFT 130 Computer-Assisted Drafting And Design I. Plan your schedule accordingly.

**Planning a Program of Study**

Students are advised to see a college counselor and the Department Chairperson in planning a program of study. Many factors need to be considered in the plan, including:

1. Academic goals, i.e., Certificate program, Associate Degree or Bachelor's Degree.
2. Career and occupational goals, i.e., professional, paraprofessional, technical, occupational or trade.

## Programs of Study

**Associate Degree**

- Interior Design, Associate of Arts (AA) (p. 287)

**Certificate of Achievement**

- Interior Design, Certificate of Achievement (C) (p. 288)

**Skills Competency Awards**

- Interior Design: Part 1, Skills Competency Award (SCA) (p. 289)
- Interior Design: Part 2, Skills Competency Award (SCA) (p. 290)

# Interior Design, Associate of Arts (AA)

## Overview

Interior Design focuses on the creation of interior environments that are both functional and pleasing.  The field offers a variety of employment opportunities in interior design and architectural firms, kitchen and bath design studios, as well as in interior materials and furniture stores.  A combination of education, work experience and passing the National Council for Interior Design Qualification (NCIDQ) exam is required for interior design professionals.

 The SBCC Interior Design Program, offered within the Drafting/CAD Department, provides a comprehensive training for entry-level interior design positions.  Certificated, professionally experienced instructors teach all program courses.  Successful completion of each Interior Design (ID) course earns full college credit.  Courses are offered with an open enrollment policy; they are open to both ID majors and non-majors.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| ART 141 | Studio Art Foundations 3D | 3 |
| DRFT 120 | Architectural Drafting I | 3 |
| DRFT 124 | Architectural Rendering I | 3 |
| DRFT 129 | Principles Of Residential Construction | 3 |
| DRFT 130 | Computer-Assisted Drafting And Design I | 5 |
| ID 100 | Introduction to Interior Design | 1 |
| ID 100L | Introduction to Interior Design Lab | 1 |
| ID 101 | Space Planning And Lighting | 3 |
| ID 103 | Historical Furniture | 3 |
| ID 104 | Materials And Installations | 3 |
| ID 105 | Kitchen And Bathroom Design | 3 |
| Complete at least three units of Controlled Art History Electives from the following: | | 3 |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 108 | History of Asian Art | |
| ART 215 | Survey Of Non-Western Art | |
| Complete 3 units from the following: | | 3-5 |
| ART 120 | Fundamentals Of Drawing | |
| BUS 101 | Introduction To Business | |
| DRFT 121 | Architectural Drafting II | |
| DRFT 125 | Architectural Rendering II | |
| DRFT 131 | Computer-Assisted Drafting And Design II | |
| DRFT 132 | CAD Drafting/Design III | |
| ID 290 | Work Experience In Interior Design | |
| MAT 131 | Digital Imaging I | |
| **Total Units** | | **40.00-42.00** |

## Learning Outcomes

1. Analyze an interior space and suggest changes for a specific user, ambiance or purpose.

2. Describe the composition and components of a successful Interior Design business.
3. Utilize the design process to design and draw floor plans and interior elevations of a room, a kitchen, a bathroom, a residence and a commercial building, being cognoscente of design guidelines and building codes.
4. Identify the style and parts of furniture from different countries and time periods.
5. Specify appropriate materials and installation methods for use in residential and commercial projects.
6. Utilize current requirements to design and draft an electrical plan for a small residence.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Interior Design, Certificate of Achievement (C)

## Overview

Interior Design focuses on the creation of interior environments that are both functional and pleasing. The field offers a variety of employment opportunities in interior design and architectural firms, kitchen and bath design studios, as well as in interior materials and furniture stores. A combination of education, work experience and passing the National Council for Interior Design Qualification (NCIDQ) exam is required for interior design professionals.

The SBCC Interior Design Program, offered within the Drafting/CAD Department, provides a comprehensive training for entry-level interior design positions. Certificated, professionally experienced instructors teach all program courses. Successful completion of each Interior Design (ID) course earns full college credit. Courses are offered with an open enrollment policy; they are open to both ID majors and non-majors.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| ART 141 | Studio Art Foundations 3D | 3 |
| DRFT 120 | Architectural Drafting I | 3 |
| DRFT 124 | Architectural Rendering I | 3 |
| DRFT 129 | Principles Of Residential Construction | 3 |
| DRFT 130 | Computer-Assisted Drafting And Design I | 5 |
| ID 100 | Introduction to Interior Design | 1 |

| ID 100L | Introduction to Interior Design Lab | 1 |
|---------|-------------------------------------|---|
| ID 101 | Space Planning And Lighting | 3 |
| ID 103 | Historical Furniture | 3 |
| ID 104 | Materials And Installations | 3 |
| ID 105 | Kitchen And Bathroom Design | 3 |
| Complete at least 3 units of Controlled Art History Electives from the following: | | 3 |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 108 | History of Asian Art | |
| ART 215 | Survey Of Non-Western Art | |
| Complete 3 units from the following: | | 3-5 |
| ART 120 | Fundamentals Of Drawing | |
| BUS 101 | Introduction To Business | |
| DRFT 121 | Architectural Drafting II | |
| DRFT 125 | Architectural Rendering II | |
| DRFT 131 | Computer-Assisted Drafting And Design II | |
| DRFT 132 | CAD Drafting/Design III | |
| ID 290 | Work Experience In Interior Design | |
| MAT 131 | Digital Imaging I | |
| **Total Units** | | **40.00-42.00** |

## Learning Outcomes

1. Analyze an interior space and suggest changes for a specific user, ambiance or purpose.
2. Describe the composition and components of a successful Interior Design business.
3. Utilize the design process to design and draw floor plans and interior elevations of a room, a kitchen, a bathroom, a residence and a commercial building, being cognoscente of design guidelines and building codes.
4. Identify the style and parts of furniture from different countries and time periods.
5. Specify appropriate materials and installation methods for use in residential and commercial projects.
6. Utilize current requirements to design and draft an electrical plan for a small residence. (ID101 and ID105)

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Interior Design: Part 1, Skills Competency Award (SCA)

## Overview

Interior Design Part 1 Skills Competency Award

Interior Design focuses on the creation of interior environments that are both functional and pleasing. The field offers a variety of employment opportunities in kitchen and bath design studios and in interior materials and furniture stores.

The SBCC Interior Design Program, offered within the Drafting/CAD Department, provides comprehensive training for entry-level interior design positions. Certificated, professionally experienced instructors teach all program courses. Successful completion of each Interior Design (ID) course earns full college credit. Courses are offered with an open enrollment policy; they are open to both ID majors and non-majors.

Some Interior Design classes have corequisites. A corequisite is a class that must be taken at the same time or before taking the class to which it is a corequisite. DRFT 120 is a corequisite to ID101 and ID105, though it is advisable to take DRFT 120 before taking these classes. DRFT 120 must be taken before taking DRFT 130. Plan your schedule accordingly.

Skill Competency Awards, Certificates & Degrees Awarded

An Interior Design Part 1 Skills Competency Award and an Interior Design Part 2 Skills Competency Award, a Certificate of Achievement in Interior Design and an Associate in Arts Degree in Interior Design are offered. Students who complete the 14 units of required Interior Design, Art and Drafting courses earn an Interior Design Part 1 Skills Competency Award. Students who complete the 16 units of required Interior Design and Drafting courses earn an Interior Design Part 2 Skills Competency Award. Students who complete the 43-44 units of required Interior Design, Art, Art History and Drafting courses and the controlled electives earn a Certificate of Completion in Interior Design. Those who complete the courses for the Certificate of Completion in Interior Design and also the institutional and General Education course requirements earn the Associate in Arts Degree in Interior Design.

Upon completion of the Interior Design Part 1 Skills Competency Award, the following competencies will be achieved:

Ability to analyze an interior space.
Ability to select materials for an interior space.
Ability to design a residential kitchen using the NKBA guidelines.
Ability to design a residential bathroom using the NKBA guidelines.
Ability to draft a set of residential plans.
Ability to produce 2D images

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| DRFT 120 | Architectural Drafting I | 3 |
| ID 100 | Introduction to Interior Design | 1 |
| ID 100L | Introduction to Interior Design Lab | 1 |
| ID 104 | Materials And Installations | 3 |
| ID 105 | Kitchen And Bathroom Design | 3 |
| **Total Units** | | **14.00** |

## Learning Outcomes

1. Utilize the six universally accepted elements of design (line, pattern, texture, scale, light and color) and the six universally accepted principles of design (proportion, balance, rhythm, contrast, emphasis and harmony) to create a successful interior space.
2. Analyze an interior space and suggest changes to meet the demands of a specific user or purpose.
3. Describe the qualities and characteristics common to a successful Interior Design business.
4. Draft a small set of working drawings for a small residence.
5. Specify appropriate materials and their installation methods for use in residential and commercial projects.
6. Design a kitchen using the NKBA guidelines.
7. Design a bathroom using the NKBA guidelines.
8. Utilizing current code requirements and industry standards design and draft an electrical plan for a kitchen.

# Interior Design: Part 2, Skills Competency Award (SCA)

## Overview

Interior Design Part 2 Skills Competency Award

Interior Design focuses on the creation of interior environments that are both functional and pleasing. The field offers a variety of employment opportunities in kitchen and bath design studios and in interior materials and furniture stores.

The SBCC Interior Design Program, offered within the Drafting/CAD Department, provides comprehensive training for entry-level interior design positions. Certificated, professionally experienced instructors teach all program courses. Successful completion of each Interior Design (ID) course earns full college credit. Courses are offered with an open enrollment policy; they are open to both ID majors and non-majors.

Some Interior Design classes have corequisites. A corequisite is a class that must be taken at the same time or before taking the class to which it is a corequisite. DRFT 120 is a corequisite to ID101 and ID105, though it is advisable to take DRFT 120 before taking these classes. DRFT 120 must be taken before taking DRFT 130. Plan your schedule accordingly.

Skill Competency Awards, Certificates & Degrees Awarded

An Interior Design Part 1 Skills Competency Award and an Interior Design Part 2 Skills Competency Award, a Certificate of Achievement in Interior Design and an Associate in Arts Degree in Interior Design are offered. Students who complete the 14 units of required Interior Design, Art and Drafting courses earn an Interior Design Part 1 Skills Competency Award. Students who complete the 16 units of required Interior Design and Drafting courses earn an Interior Design Part 2 Skills Competency Award. Students who complete the 43-44 units of required Interior Design, Arts, Art HIstory and Drafting courses and the controlled electives earn a Certificate of Completion in Interior Design. Those who complete the courses for the Certificate of Completion in Interior Design and also the institutional and General Education course requirements earn the Associate in Arts Degree in Interior Design.

Upon completion of the Interior Design Part 2 Skills Competency Award, the following competencies will be achieved:

Ability to analyze an interior space.
Ability to draft a set of residential plans.
Ability to design a residential and commercial space plan
Ability to design a residential and commercial furniture plan
Ability to identify furniture styles from prehistoric times to the present
Ability to utilize CAD commands to create 2D drawings.

# Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| DRFT 120 | Architectural Drafting I | 3 |
| DRFT 130 | Computer-Assisted Drafting And Design I | 5 |
| ID 100 | Introduction to Interior Design | 1 |
| ID 100L | Introduction to Interior Design Lab | 1 |
| ID 101 | Space Planning And Lighting | 3 |
| ID 103 | Historical Furniture | 3 |
| **Total Units** | | **16.00** |

# Learning Outcomes

1. Utilize the six universally accepted elements of design (line, pattern, texture, scale, light and color) and the six universally accepted principles of design (proportion, balance, rhythm, contrast, emphasis and harmony) to create a successful interior space.
2. Analyze an interior space and suggest changes to meet the demands of a specific user or purpose.
3. Describe the qualities and characteristics common to a successful Interior Design business.
4. Draft a set of residential plans.
5. Utilize the design process to design and draw floor plans of interior spaces, utilizing appropriate building codes and design guidelines.
6. Utilizing current code requirements and industry standards design and draft an electrical plan for a small residence and/or kitchen.
7. Identify and distinguish the style of furniture and give the correct name of the different parts of the furniture from different countries and time periods.
8. Use CAD commands to draw 2D objects.

# Journalism

The profession of journalism has undergone a seismic shift in the last decade. Newspapers and broadcast journalism have moved online, allowing for more immediate reporting, faster news cycles and extensive public interaction. The popularity of mobile devices and social media has exponentially increased the demand for up-to-date news. It's led to a new class of journalists able to tell stories using the full array of digital tools. This is the world for which we prepare our students.

The Journalism Program at Santa Barbara City College provides an overview of the workings of the mass media today, along with a foundation to the journalistic skills, knowledge and ethics needed to work in the industries that are hiring our graduates. Through the award-winning 24/7 online news site, thechannels.org (https://www.thechannels.org/),

students practice reporting and nonfiction story production for multiple platforms, including photography, video, audio and social media. Students also learn about news writing, interviewing, reporting, editing, freelancing, photojournalism, video storytelling, journalism history, media law and journalism ethics.

The department offers an associate degree for transfer students (ADT), an associate degree in journalism, and skills competency awards in public relations and photojournalism. SBCC faculty work closely with our counterparts at state universities to ensure the relevance, currency and transferability of all our classes and programs.

# Programs of Study

**Associate Degree for Transfer**

- Journalism, Associate of Arts for Transfer (AA-T) (p. 291)

**Associate Degree**

- Journalism, Associate of Arts (AA) (p. 291)

**Certificate of Achievement**

- Journalism, Certificate of Achievement (C) (p. 292)

**Skills Competency Awards**

- Photojournalism, Skills Competency Award (SCA) (p. 293)
- Public Relations, Skills Competency Award (SCA) (p. 293)

# Journalism, Associate of Arts (AA)

## Overview

Journalism study at Santa Barbara City College provides the theory, practical skills and experiences that inform students' personal lives, intellectual pursuits and professional endeavors in the mass media.

The Associate of Arts Degree, in particular, provides students with the foundational knowledge to successfully transition into a baccalaureate degree in journalism or into any liberal arts major.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| COMM 171 | Mass Media and Society | 3 |
| JOUR 101 | Reporting/Writing I | 3 |
| JOUR 121 | The Channels: Reporting/Writing | 3 |
| Complete 9-10 units of Controlled Electives from the following: | | 9-10 |
| JOUR 122A | The Channels: Newswriting and Editing | |
| or JOUR 123A | The Channels: Photojournalism | |
| or JOUR 123B | The Channels: Publication Design | |
| JOUR/MKT 135 | Public Relations | |
| JOUR/PHOT 190 | Photojournalism (Fall only) | |
| JOUR/ENG 271NF | Creative Writing: Non-fiction | |
| **Total Units** | | **18.00-19.00** |

## Learning Outcomes

1. Use news judgment to select, produce and publish journalistic content.
2. Practice standard reporting and news gathering techniques.
3. Identify the best medium by which to convey journalistic content.
4. Develop journalistic content in multiple media forms.
5. Identify and practice the role and principles of a free press in a participatory democracy: commitment to accuracy, sound ethics, fairness and context.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Journalism, Associate in Arts for Transfer (AA-T)

Students majoring in journalism learn about the American news media in all forms—newspapers, magazines, television, radio and the Internet —as the basis of a liberal arts education. Students also become media "practitioners" as every journalism class offers a unique opportunity to develop publishable work for *The Channels*, SBCC's award-winning student newspaper and online service. The Journalism Department is an active part of the School of Media Arts, and we offer all students the opportunity to collaborate with those from the disciplines of film, video production, multimedia, photography and graphic design.

The Associate in Arts for Transfer degree in Journalism provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State

University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Required Core | | |
| COMM 171 | Mass Media and Society | 3 |
| JOUR 101 | Reporting/Writing I | 3 |
| JOUR 121 | The Channels: Reporting/Writing | 3 |
| List A - Complete one course from the following: | | 3-4 |
| JOUR 122A | The Channels: Newswriting and Editing | |
| JOUR/MKT 135 | Public Relations | |
| JOUR/PHOT 190 | Photojournalism | |
| List B - Complete two courses from the following: | | 6-10.5 |
| Any CSU GE Breadth courses from two different areas within A through D or IGETC Areas 1A through 5C not used above | | |
| ACCT 230 | Financial Accounting | |
| ART 140 | Studio Art Foundations (2-D) | |
| ENG 270 | Introduction to Creative Writing | |
| FP 175 | Film and Video Production I | |
| GDP 111 | Introduction to Graphic Design | |
| MKT 203 | Marketing Communications | |
| PHOT 109 | Introduction to Photography | |
| PHOT 209 | Intermediate Photography and Lighting | |
| **Total Units** | | **18.00-23.50** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Develop and apply news judgment to select, report and produce publishable news projects.

2. Practice standard reporting and newsgathering techniques across media platforms.
3. Identify and employ the best medium by which to convey journalistic content.
4. Develop journalistic content in multiple media forms.
5. Identify and employ best practices of professional journalists: commitment to role of the free press in a participatory democracy; sound ethics; accuracy, fairness and context in all content.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Journalism, Certificate of Achievement (C)

## Overview

This certificate offers a fast-track introduction to the American news media and the expanding opportunities in web publication. Students immediately become media practitioners as they develop work for The Channels, SBCC's award-winning college news publication.

Skills mastered in this sequence of courses can be a first step toward a career as a reporter, editor, photographer, videographer, web publication or public relations specialist.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| JOUR 101 | Reporting/Writing I | 3 |
| JOUR 121 | The Channels: Reporting/Writing | 3 |
| JOUR/PHOT 190 | Photojournalism | 3 |
| JOUR 122A | The Channels: Newswriting and Editing | 4 |
| or JOUR 123A | The Channels: Photojournalism | |
| or JOUR 123B | The Channels: Publication Design | |
| JOUR/MKT 135 | Public Relations | 3 |
| JOUR/ENG 271NF | Creative Writing: Non-fiction | 3 |
| **Total Units** | | **19.00** |

## Learning Outcomes

1. Use news judgment to select, report, develop and publish journalism projects.
2. Develop publishable journalism works in multiple genres for multiple platforms: written articles, photographs, narrated photo galleries, video, and multimedia-interactive features.

3. Employ best practices of professional journalists in the areas of accuracy, fairness, balance, context and ethics.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Photojournalism, Skills Competency Award (SCA)

## Overview

The Photojournalism Skills Competency Award offers a fast-track introduction to the American news media and expanding opportunities in digital publication and social media. Students immediately become media practitioners as they produce journalistic projects for The Channels, SBCC's award-winning student news publication.

This award is offered in concert with the SBCC photography-graphic design and the film and television production departments. This collaboration offers students the chance to work with their counterparts in other media production areas for a more well-rounded education in visual journalism.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| JOUR 123A | The Channels: Photojournalism | 4 |
| JOUR/PHOT 190 | Photojournalism | 3 |
| PHOT 109 | Introduction to Photography | 3 |
| Complete one course from the following: | | 3 |
| FP 114 | Non-Linear Editing I | |
| FP 165 | Television Field Production | |
| JOUR 101 | Reporting/Writing I | |
| MAT 131 | Digital Imaging I | |
| PHOT 180 | Digital Darkroom | |
| **Total Units** | | **13.00** |

## Learning Outcomes

1. Identify elements of varied photojournalistic genres.
2. Produce photographic images and prepare for publication.
3. Collect caption or "cutline" information and compile it for publication using Associated Press style.
4. Produce photo galleries with and without audio for publication.
5. Produce basic video packages, working with a reporter-and-editor team.

# Public Relations, Skills Competency Award (SCA)

## Overview

Skills Competency Award in Public Relations. Public Relations is a fast-growing field with excellent employment opportunities, particularly at the entry level. This Skills Competency Award demonstrates a level of knowledge and training in basic Public Relations planning and skills, and gives students hands-on experience in these areas. This SCA enhances students' ability to obtain entry level jobs in Public Relations and Advertising Agencies, nonprofit organizations, government agencies and all sectors of the business world.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| COMM 171 | Mass Media and Society | 3 |
| COMP 139 & COMP 271 | Social Networking for Business and Business Communications | 3-3.5 |
| or COMM 161 | Communication in Organizations | |
| JOUR 101 | Reporting/Writing I | 3 |
| JOUR/MKT 135 | Public Relations | 3 |
| MKT 101 | Introduction to Marketing | 3 |
| **Total Units** | | **15.00-15.50** |

## Learning Outcomes

1. Identify the definitions of and relationships between Public Relations (PR), Marketing, Mass Media, Social Media and Journalism.
2. Demonstrate the steps in strategic planning for Marketing and PR, including developing goals, strategies, and tactics; conducting research, tracking and evaluation; identifying audiences and fashioning appropriate messaging; and fashioning campaign tools and executing plan tactics.
3. Exhibit the ability to create written PR tools, including press releases, collateral materials (such as biographies and fact sheets), public service announcements, photo captions, photo opps, and pitch letters, brochure and website content, among others.
4. Apply in written work the key elements of news writing style: active writing, brevity and clarity; the use of active voice and professional tone; application of journalistic procedures and news judgment; and use of inverted triangle format. Produce materials with a minimum of errors, reflecting use of prewriting, proofreading and revision.
5. Identify current trends and developments in PR, marketing and mass media, particularly the impact of use of social media.
6. Explain what makes "news" in the various media and constitutes a newsworthy PR pitch in each, taking into account the role, organization and influence of the mass media in shaping U.S. culture and society.
7. Exhibit oral communication skills in regards to pitching stories, making oral presentations and/or in interviews.

8. Demonstrate problem-solving skills, creative and critical thinking, professional ethics, and the ability to work cooperatively in interpersonal and small group settings to successfully accomplish tasks.

# Learning Resources Center

The Cartwright Learning Resources Center assists students with computer access, media resources, and tutorial support. Our website provides links to learning resources and can be found at https://www.sbcc.edu/clrc/. Call (805) 730-4470 for more information.

**Cartwright Learning Resources Center Service Areas**

- **Computer-Assisted Instructional (CAI) Labs:** Supports in-class use of instructional technology. Available by reservation only.
- **Computer Commons:** Provides general access to Macintosh and PC computers and tutor support for computer applications, including course-specific software. One-to-one tutoring appointments are also available.
- **Learning Assistance/Check-in Counter:** Provides access to the Computer Commons and the multimedia library, as well as digital and learning resource checkout.
- **Learning Skills and Writing Skills Workshops:** Offer instructional support in essential skills for college success. See www.sbcc.edu/clrc/workshops.php (http://www.sbcc.edu/clrc/workshops.php) and https://www.sbcc.edu/clrc/writing_center/writingskillsworkshops.php.
- **Tutorial Center:** Coordinates a large number of tutorial services, including free small-group and individual tutoring sessions.
- **Tutoring Commons:** Offers tutoring in a wide variety of subjects, one-to-one or in small groups.
- **Writing Center:** Offers tutorial assistance with pre-writing, organization, thesis and content development and general sentence-level mechanics, as well as online resources at www.sbcc.edu/clrc/writing_center/ (http://www.sbcc.edu/clrc/writing_center/).

# Liberal Arts and Sciences

The Liberal Arts and Sciences degree is designed for students who wish to have a broad knowledge of arts and sciences, while building a foundation within an "area of emphasis." This degree can be a good option for students who may need to explore possibilities before selecting a major prior to transferring to a university or for students who wish to earn a degree in a particular area of study that interests them.

Students planning to transfer to a four-year university are cautioned that this degree may not meet all of the requirements for transfer into a particular major. However, through careful educational planning with an SBCC academic counselor, this degree would offer a solid foundation in the transfer process.

Because admission and major preparation requirements vary at each transfer institution, students should select their General Education option and their coursework for the Associate Degree in consultation with an SBCC academic counselor to ensure appropriate academic planning. For detailed information on transfer requirements to the University of California and California State University systems, students should meet with a counselor and refer to www.assist.org (http://www.assist.org/).

# Programs of Study

**Associate Degrees**

- Liberal Arts, Associate of Arts (AA): Bio-Medical Sciences Emphasis (p. 198)
- Liberal Arts and Sciences, Associate of Arts (AA): Arts and Humanities Emphasis (p. 294)
- Liberal Arts and Sciences, Associate of Arts (AA): Science and Mathematics Emphasis (p. 297)
- Liberal Arts and Sciences, Associate of Arts (AA): Social and Behavioral Sciences Emphasis (p. 299)

# Liberal Arts and Sciences, Associate of Arts (AA): Arts and Humanities Emphasis

By completing the Liberal Arts and Sciences—Emphasis in Arts and Humanities degree, students will be exposed to an interdisciplinary pattern of coursework essential to the understanding of the contemporary world, its people and its cultures. Students will survey, analyze and interpret key philosophical, historical, literary, aesthetic and cultural works produced over the course of human history to better understand social and historical life, as well as human existence, human meaning and human creativity. Students will also practice forms of creative, intellectual and cultural expression. Common majors within the Arts and Humanities Emphasis include, but are not limited to, English, Ethnic Studies, Film Studies, Fine Arts, Foreign Languages, History, Humanities, Music, Philosophy and Theatre Arts.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Complete 18 units from the following: [1] | | 18 |
| ARBC 101 | Beginning Modern Standard Arabic I | |
| ARBC 102 | Beginning Modern Standard Arabic II | |

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| ART 100 | Art in Culture |
| ART 101 | Visual Literacy |
| ART 102A | Early Twentieth Century Art, 1900-1945 |
| ART 102B | Late Twentieth Century Art |
| ART 103 | History of Art, Prehistoric to Gothic |
|   or ART 103H | History of Art, Prehistoric to Gothic, Honors |
| ART 104 | History of Art, Renaissance to Modern |
|   or ART 104H | History Of Art, Renaissance To Modern, Honors |
| ART 106 | History Of American Art |
| ART 108 | History of Asian Art |
| ART 110 | History of Women in Art |
| ART 111 | Survey Of Tribal Arts |
| ART 112 | Survey Of Ancient American Art |
| ART 113 | Survey Of Architecture |
| ART 114 | History Of Photography |
| ART 120 | Fundamentals Of Drawing |
| ART 130 | Integrated Drawing and Painting |
| ART 132 | Fundamentals of Painting |
| ART 210 | Survey Of Renaissance And Baroque Art |
| ART 211 | Nineteenth Century Art |
| ART 215 | Survey Of Non-Western Art |
| ART 216 | Survey Of Islamic Art And Architecture |
| ASAM 101 | Comparative Asian-American History, 1849-1965 |
| ASAM 102 | Contemporary Asian-American History |
| ASL 101 | Beginning American Sign Language I |
| ASL 102 | Beginning American Sign Language II |
| ASL 103 | Intermediate American Sign Language I |
| ASL 104 | Intermediate American Sign Language II |
| ASL 125 | American Deaf Culture and History |
| BLST 101 | The African-American In U.S. History To World War II |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present |
|   or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors |
| BLST 103 | African-American Culture |
| BLST 111 | The African-American Music Experience |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. |
| CHIN 101 | Beginning Chinese I |
| CHIN 102 | Beginning Chinese II |
| CHIN 103 | Intermediate Chinese |
| CHST 101 | Mexican-American (Chicano) History In The U.S. |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present |

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| CHST 103 | Mexican-American (Chicano) Culture |
| CHST 113 | Introduction to Chicano/Mexican-American Literature |
| CHST 114 | Borderlands Literature: U.S.-Mexico |
| CHST 115 | Introduction To Mexican Literature |
| CHST 121 | The Chicana And Other Latina Women |
| CHST 130 | History Of Mexican Art |
| CHST 131 | History Of Chicano Art |
| CHST/TA 160 | Chicano Theatre |
| ECE 115 | Children's Literature |
| ENG 111 | Critical Thinking and Composition Through Literature |
|   or ENG 111H | Critical Thinking and Composition Through Literature, Honors |
| ENG 200 | Introduction to Literature |
| ENG 221 | Survey of British Literature: 800-1798 |
|   or ENG 221H | Survey of British Literature 800-1798, Honors |
| ENG 222 | Survey of British Literature: 1798-Present |
|   or ENG 222H | Survey of British Literature: 1798-Present, Honors |
| ENG 225 | American Literature: Pre-Colonization to 1865 |
| ENG 226 | American Literature: 1865-present |
|   or ENG 226H | American Literature, Honors |
| ENG 231 | World Literature: Ancient Times to 16th Century |
| ENG 232 | World Literature: 17th Century to Present |
| ENG 240 | Contemporary Fiction |
| ENG 241 | Contemporary Women Writers |
| ENG 242 | Contemporary Dramatic Literature |
| ENG 251 | Introduction To Poetry |
| ENG 261 | Literature And Film |
| ENG 262 | Shakespeare |
| ENG 292H | Advanced Literary Analysis, Honors |
| ENVS/HIST 112 | American Environmental History |
| ESL 134 | Writing Level 5 |
| ETHS 101 | The Immigrant Experience in the U.S. |
|   or ETHS 101H | The Immigrant Experience in the U.S., Honors |
| ETHS 103 | The American Ethnic Cultural Experience |
| ETHS 109 | U.S.-Mexico And Other Borderlands |
| ETHS 117 | Cultural Diversity In Film |
| ETHS 121 | Women of Color In The U.S. |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. |
| FR 101 | Beginning French I |
| FR 102 | Beginning French II |
| FR 103 | Intermediate French I |
| FR 104 | Intermediate French II |
| FR 132 | Intermediate Literary Readings |
| FS 101 | Introduction to Film Studies |
|   or FS 101H | Introduction to Film Studies, Honors |
| FS 104 | American Film to 1960's |

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| FS 105 | Introduction to Television Studies |
| FS 107 | Contemporary American Film |
| FS 110 | World Cinema to 1960's |
| FS 111 | Contemporary World Cinema |
| FS 112A | French Film |
| FS 112B | Art Cinema |
| FS 112C | Spanish and Latin American Film |
| FS 113 | Experimental Film |
| FS 114 | History of Animation |
| FS 115 | The Vietnam War in Film |
| FS 116 | Gender and Sexuality in Film |
| FS 118 | Film Genres |
| FS 119 | Film Comedy |
| FS 120 | Visionary Filmmakers |
| FS 121 | Documentary Film |
| GDP 116 | History of Graphic Design |
| GER 101 | Beginning German I |
| GER 102 | Beginning German II |
| GER 103 | Intermediate German I |
| GER 104 | Intermediate German II |
| HEBR 101 | Beginning Modern Hebrew I |
| HEBR 102 | Beginning Modern Hebrew II |
| HIST 101 | History of the U.S. to 1877 |
| HIST 102 | History of the U.S. Since 1865 |
| or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 103 | History of Western Civilization |
| HIST 104 | History of Western Civilization |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors |
| HIST 107 | World Civilization, Beginnings to 1550 |
| HIST 108 | World Civilization, 1550 to Present |
| HIST 110 | History of American Women |
| or HIST 110H | History Of American Women (Honors) |
| HIST 111 | The American West as Frontier and Region |
| HIST 115 | The Vietnam Wars |
| HIST 120 | Modern Europe |
| HIST 121 | History Of Great Britain |
| HIST 122 | History Of Great Britain |
| HIST 127 | History Of Russia |
| HIST 133 | History of Latin America |
| HIST 134 | History Of Latin America: 1800'S To Modern Period |
| HIST 135 | History of Mexico |
| HIST 137 | History of Religions of The Middle East |
| HIST 138 | History of the Modern Middle East |
| ID 103 | Historical Furniture |
| ITAL 101 | Beginning Italian I |
| ITAL 102 | Beginning Italian II |
| ITAL 103 | Intermediate Italian I |
| ITAL 104 | Intermediate Italian II |
| JAPN 101 | Beginning Japanese I |

| | |
|---|---|
| JAPN 102 | Beginning Japanese II |
| JAPN 103 | Intermediate Japanese I |
| JAPN 104 | Intermediate Japanese II |
| KOR 101 | Beginning Korean I |
| KOR 102 | Beginning Korean II |
| LATN 101 | Beginning Latin I |
| LATN 102 | Beginning Latin II |
| MAT 103 | Introduction to Multimedia |
| MUS 102A | Basic Musicianship |
| MUS 104A | Beginning Theory |
| MUS 110 | Music Appreciation |
| MUS 112 | History of Jazz |
| MUS 114A | Survey of Music History |
| MUS 114B | Survey of Music History |
| MUS 115 | History And Appreciation Of Rock And Popular Music |
| MUS 118 | World Music |
| MUS 120A | Sound Recording And Electronic Music |
| NATA 102 | The Native American In 20th Century Society |
| NATA 103 | Native American Cultural Heritage |
| NATA 105 | California Tribes: The Chumash |
| NATA 112 | Native American Visual And Musical Art |
| NATA 113 | The Indian In Literature: Fact And Fiction |
| PE 250 | Survey and Appreciation of Dance History |
| PHIL 100 | Introduction to Philosophy |
| or PHIL 100H | Introduction to Philosophy, Honors |
| PHIL 101 | Introduction to Ethics |
| or PHIL 101H | Introduction To Ethics, Honors |
| PHIL 102 | Comparative World Religions |
| PHIL 200 | History Of Philosophy: Ancient |
| PHIL 201 | History of Philosophy: Modern |
| PHIL 203 | History Of Philosophy: Contemporary |
| PHIL 204 | History And Philosophy Of The Great Ideas Of Physics |
| PHIL 206 | Philosophy of Religion |
| PHIL 207A | Comparative Philosophy, East And West |
| PHIL 207B | Philosophy of Art |
| POLS 132 | Political Thinking |
| PSY 135 | Psychology of Film |
| SPAN 101 | Beginning Spanish I |
| SPAN 102 | Beginning Spanish II |
| SPAN 103 | Intermediate Spanish I |
| SPAN 104 | Intermediate Spanish II |
| SPAN 132 | Introduction to Literary Analysis |
| SPAN 139 | Contemporary Cultures Of Spain |
| SPAN 146 | Intermediate Spanish for Native Speakers I |

| | | |
|---|---|---|
| SPAN 147 | Intermediate Spanish for Native Speakers II | |
| SPAN 150 | Advanced Spanish | |
| SPAN 160 | Advanced Spanish | |
| TA 103 | Theatre Appreciation | |
| TA 106 | Development of Drama - Musical Theatre | |
| TA 107 | Development Of Drama: Greek to Renaissance | |
| TA 108 | Development Of Drama II: Restoration To Contemporary | |
| TA 111 | Beginning Acting | |
| TA 120 | Understanding Scenography | |
| TA 121 | Introduction to Stagecraft | |
| TA 134 | Costume Design | |
| TA 135A | History of Costume Design in Film | |
| TA 136 | Theatrical Makeup Techniques | |
| TA 175 | Summer Theatre Workshop | |
| TA 215 | Fundamentals of Directing | |
| **Total Units** | | **18.00** |

[1] Students are strongly advised to meet with a counselor to ensure appropriate course selection for their educational goal.

## Learning Outcomes

1. Recognize the significance to human beings of the study of cultural, literary, humanistic activities and artistic expression.
2. Evaluate and interpret the ways in which humans through the ages in different cultures have responded to themselves and the world around them through artistic and cultural expression.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Liberal Arts and Sciences, Associate of Arts (AA): Science and Mathematics Emphasis

By completing the Liberal Arts and Sciences—Emphasis in Science and Mathematics Degree, students will be exposed to wide range of coursework to achieve a foundational understanding of mathematics and the natural sciences. Students will survey, analyze and interpret concepts, theories and methodologies as they relate to the natural sciences and mathematics and how this knowledge has shaped the course of human development over the ages. Additionally, students will develop critical thinking skills, mathematical and quantitative reasoning skills and research methodology.

Common university majors within the Science and Mathematics Emphasis include, but are not limited to, Astronomy, Astrophysics, Biochemistry, Biology, Chemical Physics, Chemistry, Earth Sciences, Environmental Studies, Geography (Physical), Geological Sciences, Mathematics and Physics.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Complete 18 units from the following courses with at least one course in mathematics and one course in science: | | 18 |

**Mathematics:**

| Code | Title | Units |
|---|---|---|
| CS 108 | Discrete Structures | 4 |
| CS/MATH 118 | Data Science for All | 4 |
| CS 133 | Introduction to Programming for Engineers | 3 |
| FIN 100 | Personal Finance | 3 |
| MATH 108 | Mathematical Concepts for Elementary School Teachers-Number Systems | 4 |
| MATH 114 | Mathematics for Liberal Arts Majors | 4 |
| MATH 117 or MATH 117AB | Elementary Statistics | 4 |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| or SOC 125 | Introduction to Statistics in Sociology | |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | 5 |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | 3 |
| MATH 137 | College Algebra | 5 |
| MATH 138 | Precalculus - College Algebra and Trigonometry | 4 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 180 | Transition to Advanced Mathematics | 4 |

| | | |
|---|---|---|
| MATH 200 | Multivariable Calculus | 4 |
| MATH 210 | Linear Algebra | 4 |
| MATH 220 | Differential Equations | 4 |

**Science:**

| Code | Title | Units |
|---|---|---|
| ANTH 101 | Physical Anthropology | 3-4 |
| or ANTH 101H | Physical Anthropology, Honors | |
| ANTH 101 & 101L | Physical Anthropology and Physical Anthropology Laboratory | 4-5 |
| or ANTH 101H & ANTH 101L | Physical Anthropology, Honors and Physical Anthropology Laboratory | |
| BIOL 100 | Concepts Of Biology | 4 |
| BIOL 101 | Plant Biology | 4 |
| BIOL 102 | Animal Biology | 5 |
| BIOL 103 | Cell and Molecular Biology | 5 |
| BIOL 110 | Natural Science | 3 |
| BIOL 112 | Evolution and Adaptation | 3 |
| BIOL 112 & BIOL 141 | Evolution and Adaptation and Biology Laboratory | 5 |
| BIOL 120 | Natural History | 4 |
| BIOL 122 | Ecology | 3 |
| BIOL 122 & BIOL 123 | Ecology and Ecology Laboratory | 4 |
| BIOL 124 | Biological Oceanography | 4 |
| BIOL 125 | Marine Biology | 4 |
| BIOL 126 | Aquatic Ecosystems | 3 |
| BIOL 140 | Principles of Biology | 3 |
| BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory | 5 |
| BIOL 142 | Marine Science | 3 |
| BIOL 144 | Biogeography | 3 |
| BIOL 150 | Biodiversity | 3 |
| BIOL 161 | DNA and Society | 3 |
| BIOL 171 | Human Evolution | 3 |
| BIOL 172 | Symbiosis | 3 |
| BMS 100 | The Human Body | 4 |
| BMS 107 | Human Anatomy | 4 |
| BMS 108 | Human Physiology | 4 |
| BMS 118 | Human Microanatomy | 3 |
| BMS 127 | Medical Microbiology | 4 |
| BMS 136 | Biology Of Human Sexuality | 3 |
| BMS 146 | Human Form and Function | 3 |
| BMS 146 & 146L | Human Form and Function and Human Form and Function Laboratory | 4 |
| BMS 157 | General Microbiology | 4 |
| BOT 100 | Concepts of Botany | 4 |
| BOT 121 | Plant Diversity | 4 |
| BOT 122 | Flowering Plant Identification | 3 |
| BOT 123 | Field Botany | 3 |
| CHEM 101 | Introductory Chemistry | 4 |

| | | |
|---|---|---|
| CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | 4 |
| CHEM 110 | Survey of Chemistry | 3 |
| CHEM 155 | General Chemistry I | 5 |
| CHEM 156 | General Chemistry II | 5 |
| CHEM 211 | Organic Chemistry I | 3 |
| CHEM 211 & CHEM 221 | Organic Chemistry I and Organic Chemistry Laboratory I | 5.3 |
| CHEM 212 | Organic Chemistry II | 3 |
| CHEM 212 & CHEM 222 | Organic Chemistry II and Organic Chemistry Laboratory II | 5.5 |
| EH 110 | Introduction to Horticulture | 3 |
| ENVS 110 | Humans And The Biological Environment | 3 |
| ENVS 110 & ENVS 111 | Humans And The Biological Environment and Environmental Field Studies | 4 |
| ERTH 101 | Introductory Astronomy | 3 |
| or ERTH 101H | Introductory Astronomy, Honors | |
| ERTH 101 & ERTH 102 | Introductory Astronomy and Observational Astronomy Laboratory | 4-5 |
| or ERTH 101H & ERTH 102 | Introductory Astronomy, Honors and Observational Astronomy Laboratory | |
| ERTH 104 | Introductory Astrophysics | 3 |
| ERTH 106 | Black Holes and the Universe | 3 |
| ERTH 111 | Dynamic Earth - Physical Geology | 3 |
| or ERTH 111H | Dynamic Earth - Physical Geology, Honors | |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory | 4-5 |
| or ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory | |
| ERTH 112 | History Of The Earth | 3 |
| ERTH 112 & 112L | History Of The Earth and Historical Geology Laboratory | 4 |
| ERTH 115 | Environmental Geology | 3 |
| or ENVS 115 | Environmental Geology | |
| ERTH 115 & 115L | Environmental Geology and Environmental Geology Laboratory [1] | 4 |
| or ENVS 115 & 115L | Environmental Geology and Environmental Geology Laboratory | |
| ERTH/ENVS 116 | Energy and Natural Resources | 3 |
| ERTH 122 | Dinosaurs | 3 |
| ERTH 125 | Mineralogy and Resources | 5 |
| ERTH 126 | Petrology and Rock-Forming Minerals | 5 |
| ERTH 141/ GEOG 101 | Physical Geography | 3 |
| ERTH 141 & 141L | Physical Geography and Physical Geography Laboratory [2] | 4 |
| or GEOG 101 & 101L | Physical Geography and Physical Geography Laboratory | |
| ERTH 151 | Introductory Physical Oceanography | 3 |

| Code | Title | | Units |
|------|-------|--|-------|
| ERTH 151<br>& 151L | Introductory Physical Oceanography<br>and Introductory Physical<br>Oceanography Laboratory | | 4 |
| ERTH/GEOG 152 | Weather and Climate | | 3 |
| ERTH 152<br>& 152L | Weather and Climate<br>and Weather and Climate Laboratory [3] | | 4 |
| or GEOG 152<br>& 152L | Weather and Climate<br>and Weather and Climate Laboratory | | |
| HIT 204 | Basic Pathophysiology | | 3 |
| PHSC 103 | The Physical Universe | | 4 |
| PHSC 107 | Nanoscience in Society | | 4 |
| PHYS 101 | Conceptual Physics | | 3 |
| PHYS 101<br>& 101L | Conceptual Physics<br>and Conceptual Physics Laboratory | | 4 |
| PHYS 102 | Introductory Physics For Science<br>Majors | | 4 |
| PHYS 105 | General Physics | | 4 |
| PHYS 106 | General Physics | | 4 |
| PHYS 110 | Introductory Physics | | 4 |
| PHYS 111 | Introductory Physics | | 4 |
| PHYS 121 | Mechanics Of Solids And Fluids | | 5 |
| PHYS 122 | Electricity and Magnetism | | 5 |
| PHYS 123 | Heat, Light and Modern Physics | | 5 |
| PSY 110 | Introduction to Physiological<br>Psychology | | 3 |
| ZOOL 110 | Animal Physiology | | 3 |
| ZOOL 122 | Animal Diversity | | 3 |
| ZOOL 122<br>& ZOOL 123 | Animal Diversity<br>and Animal Diversity Laboratory | | 4 |
| ZOOL 124 | Insect Biology | | 3 |
| ZOOL 137 | Ornithology | | 3 |
| ZOOL 140 | Animal Behavior | | 3 |

[1]   ERTH 115 & 115L are the same as ENVS 115 & 115L.
[2]   ERTH 141 & 141L are the same as GEOG 101 & 101L.
[3]   ERTH 152 & 152L are the same as GEOG 152 & 152L.

Students are strongly advised to meet with a counselor to ensure appropriate course selection for their educational goal.

## Learning Outcomes

1. The successful student is able to use the scientific method to develop and test a hypothesis.
2. The successful student is able to use mathematical approaches such as tabulation, graphing and statistics to quantify and analyze scientific data.
3. The successful student is able to use mathematics to predict and model scientific phenomena.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Liberal Arts and Sciences, Associate of Arts (AA): Social and Behavioral Sciences Emphasis

By completing the Liberal Arts and Sciences—Emphasis in Social and Behavioral Sciences Associate in Arts degree, students will be exposed to a wide range of coursework to achieve an understanding of human behavior and human interaction in the social and physical environment. Students will survey, analyze and interpret concepts, theories and methodologies to cultivate an understanding of human beings and the societies and cultures they create. Common majors within the Social and Behavioral Sciences Emphasis include, but are not limited to, Anthropology, Criminal Justice, Economics, Ethnic Studies, Geography (Cultural), Global Studies, History, International Relations, Political Science, Psychology, Social Science and Sociology.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Complete 18 units from the following: [1] | | 18 |
| AJ 101 | Introduction To The Administration Of Justice | |
| AJ 102 | Ethics In The Criminal Justice System | |
| AJ 104 | Introduction to Corrections | |
| AJ 105 | Diversity, Law and Justice | |
| AJ 107 | Concepts Of Criminal Law | |
| AJ 125 | Introduction To Criminology | |
| AJ 245 | Constitutional Law | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 265 | Crime and Human Behavior | |
| AJ 271 | The Study of Evil | |

| | |
|---|---|
| ANTH 102 | Introduction To Archaeology |
| or ANTH 102H | Introduction to Archaeology, Honors |
| ANTH 103 | Introduction To Cultural Anthropology |
| ANTH 104 | Language and Culture |
| ANTH 109 | Comparative World Cultures |
| ANTH 110 | Culture and Society Through Cartoons |
| ANTH 113 | Witchcraft, Magic, Science And Religion |
| ASAM 101 | Comparative Asian-American History, 1849-1965 |
| ASAM 102 | Contemporary Asian-American History |
| BLST 101 | The African-American In U.S. History To World War II |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors |
| BLST 103 | African-American Culture |
| BUS 101 | Introduction To Business |
| CHST 101 | Mexican-American (Chicano) History In The U.S. |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present |
| CHST 103 | Mexican-American (Chicano) Culture |
| CHST 121 | The Chicana And Other Latina Women |
| COMM 101 | Introduction to Communication |
| COMM 142 | Leadership in a Global Society |
| COMM 151 | Intercultural Communication |
| COMM 171 | Mass Media and Society |
| COMM 288 | Communication Research Methods |
| COMM 289 | Communication Theory |
| ECE 102 | Child, Family and Community |
| ECE 120 | Child Growth and Development/ Educators |
| ECE 132 | Teaching in a Diverse Society |
| ECON 101 | Microeconomics |
| or ECON 101H | Microeconomics, Honors |
| ECON 101H | Microeconomics, Honors |
| ECON 102 | Macroeconomics |
| or ECON 102H | Macroeconomics, Honors |
| ECON 102H | Macroeconomics, Honors |
| ECON 114 | Environmental and Natural Resource Economics |
| ENVS/HIST 112 | American Environmental History |
| ERTH 142/ GEOG 105 | Economic Geography |
| ETHS 101 | The Immigrant Experience in the U.S. |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors |
| ETHS 103 | The American Ethnic Cultural Experience |
| ETHS/SOC 107 | Racism In America |
| ETHS 109 | U.S.-Mexico And Other Borderlands |

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| ETHS 110 | Contemporary Ethnic Communities |
| ETHS 120 | Race, Ethnicity and Social Movements in the United States |
| ETHS 121 | Women of Color In The U.S. |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. |
| GEOG 102 | Human Geography |
| GEOG 104 | World Regional Geography |
| GEOG 106 | Geography Of California |
| GLST 101 | Introduction to Global Studies |
| GLST 102 | Global Problems |
| GLST 105 | Global Environmental Politics |
| HIST 101 | History of the U.S. to 1877 |
| HIST 102 | History of the U.S. Since 1865 |
| or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 103 | History of Western Civilization |
| HIST 104 | History of Western Civilization |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors |
| HIST 107 | World Civilization, Beginnings to 1550 |
| HIST 108 | World Civilization, 1550 to Present |
| HIST 110 | History of American Women |
| or HIST 110H | History Of American Women (Honors) |
| HIST 111 | The American West as Frontier and Region |
| HIST 115 | The Vietnam Wars |
| HIST 120 | Modern Europe |
| HIST 121 | History Of Great Britain |
| HIST 122 | History Of Great Britain |
| HIST 127 | History Of Russia |
| HIST 133 | History of Latin America |
| HIST 134 | History Of Latin America: 1800'S To Modern Period |
| HIST 135 | History of Mexico |
| HIST 137 | History of Religions of The Middle East |
| HIST 138 | History of the Modern Middle East |
| JOUR 200 | Contemporary News Media and Society |
| NATA 101 | American Indian: Past and Present |
| NATA 102 | The Native American In 20th Century Society |
| NATA 103 | Native American Cultural Heritage |
| NATA 104 | California Indians |
| NATA 105 | California Tribes: The Chumash |
| POLS 101 | American Government And Politics |
| POLS 104 | American Government: Policy Issues/ Process |
| POLS 110 | Politics, Society And The Mass Media |
| POLS 121 | International Politics |
| or POLS 121H | International Politics, Honors |
| POLS 122 | International Organizations: Global and Regional Governance |
| POLS 131 | Comparative Politics |

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|---|---|---|
| POLS 132 | Political Thinking | |
| POLS 134H | Political Violence, Honors | |
| POLS 136 | Middle East Government And Politics | |
| POLS 151 | Law And Society | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| PSY 106 | Positive Psychology | |
| PSY 112 | Introduction to Cognitive Psychology | |
| PSY 115 | Psychology Of Health And Effective Behavior | |
| PSY 120 | Introduction To Psychology | |
| PSY 125 | Psychology Of Human Sexuality | |
| PSY 130 | Personality Dynamics And Effective Behavior | |
| PSY 135 | Psychology of Film | |
| PSY 140 | Child Development | |
| PSY 145 | Human Development | |
| PSY 170 | Abnormal Psychology | |
| PSY 175 | Social Psychology: Psychological Perspective | |
| PSY 200 | Research Methods and Experimental Design in Psychology | |
| PSY 210 | Introduction to Psychopharmacology | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 103 | Marriage, Family and Intimacy | |
| SOC 104 | Social Psychology | |
| SOC 106 | Sociology of Deviance | |
| SOC 109 | Social Problems | |
| SOC 110 | Culture and Society Through Cartoons | |
| SOC 113 | Sociology Of Sex and Gender | |
| SOC 115 | Introduction To Social Research | |
| SOC 118 | Media, Culture and Society | |
| SOC 127 | Introduction to Women's Studies | |
| SPAN 139 | Contemporary Cultures Of Spain | |
| SS 101 | Introduction to the Social Sciences | |
| **Total Units** | | **18.00** |

[1] Students are strongly advised to meet with a counselor to ensure appropriate course selection for their educational goal.

## Learning Outcomes

1. Evaluate human behavior and human interaction in the social and physical environment.
2. Survey, analyze and interpret concepts, theories and methodologies to cultivate an understanding of human beings and the societies and cultures they create.
3. Identify and evaluate how societies and social subgroups operate.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Liberal Studies

## Programs of Study

**Associate Degree for Transfer**

- Elementary Teacher Education, Associate in Arts for Transfer (AA-T) (p. 301)

**Associate Degree**

- Liberal Studies, Associate in Arts (AA): Education Emphasis (p. 303)

# Elementary Teacher Education, Associate in Arts for Transfer (AA-T)

Liberal Studies at Santa Barbara City College is an interdisciplinary program that provides students with a foundation of knowledge in the areas of English composition, critical thinking, oral communication, physical and life sciences, arts and humanities, and social sciences. Through this program, students acquire a breadth of knowledge across multiple disciplines, explore how knowledge across disciplines can be connected, analyze and evaluate ideas using the tools of critical thinking, and demonstrate effective communication skills in reading, writing, listening and speaking.

The Associate in Science for Transfer degree in Elementary Teacher Education provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Required Core** | | |
| BIOL 100 | Concepts Of Biology | 4-5 |

| | | |
|---|---|---|
| or BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory | |
| COMM 131 | Fundamentals Of Public Speaking | 3 |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| ECE 120 | Child Growth and Development/Educators | 3 |
| ED 101 | Introduction To Teaching And Learning In K-12 Education | 3 |
| ED 291 | Practicum in Teaching | 2 |
| ENG 110 | Composition and Reading | 4 |
| or ENG 110H | Composition and Reading, Honors | |
| ENG 221 | Survey of British Literature: 800-1798 | 3-4 |
| or ENG 221H | Survey of British Literature 800-1798, Honors | |
| or ENG 222 | Survey of British Literature: 1798-Present | |
| or ENG 222H | Survey of British Literature: 1798-Present, Honors | |
| or ENG 225 | American Literature: Pre-Colonization to 1865 | |
| or ENG 226 | American Literature: 1865-present | |
| or ENG 226H | American Literature, Honors | |
| or ENG 231 | World Literature: Ancient Times to 16th Century | |
| or ENG 232 | World Literature: 17th Century to Present | |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory | 4-5 |
| or ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory | |
| or ERTH 112 & 112L | History Of The Earth and Historical Geology Laboratory | |
| GEOG 104 | World Regional Geography | 3 |
| HIST 101 | History of the U.S. to 1877 | 3 |
| HIST 107 | World Civilization, Beginnings to 1550 | 3 |
| MATH 108 | Mathematical Concepts for Elementary School Teachers-Number Systems | 4 |
| PHSC 103 | The Physical Universe | 4-8 |
| or CHEM 101 & PHYS 101 | Introductory Chemistry and Conceptual Physics | |
| or CHEM 101 & PHYS 102 | Introductory Chemistry and Introductory Physics For Science Majors | |
| or CHEM 101 & PHYS 105 | Introductory Chemistry and General Physics | |
| POLS 101 | American Government And Politics | 3 |
| List A - Complete one course from the following: | | 3 |
| COMM 235 | Argumentation and Debate | |
| or ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| or PHIL 111 | Critical Thinking And Writing In Philosophy | |
| or PHIL 205 | Introduction to Logic | |
| List B - Complete one course from the following: | | 3 |
| ART 101 | Visual Literacy | |
| or MUS 110 | Music Appreciation | |
| or PE 250 | Survey and Appreciation of Dance History | |
| or TA 103 | Theatre Appreciation | |

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| List C - Complete up to 9 additional units from the following or any courses not selected above: | |
| ANTH 102 | Introduction To Archaeology |
| or ANTH 102H | Introduction to Archaeology, Honors |
| ANTH 103 | Introduction To Cultural Anthropology |
| ANTH 113 | Witchcraft, Magic, Science And Religion |
| ARBC 102 | Beginning Modern Standard Arabic II |
| ART 103 | History of Art, Prehistoric to Gothic |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors |
| ART 104 | History of Art, Renaissance to Modern |
| or ART 104H | History Of Art, Renaissance To Modern, Honors |
| ART 106 | History Of American Art |
| ART 108 | History of Asian Art |
| ART 120 | Fundamentals Of Drawing |
| ART 130 | Integrated Drawing and Painting |
| or ART 132 | Fundamentals of Painting |
| ART 140 | Studio Art Foundations (2-D) |
| ART 141 | Studio Art Foundations 3D |
| ART 150 | Fundamentals of Ceramics |
| ART 170 | Introduction to Sculpture |
| ART 190 | Introduction to Printmaking |
| ART 215 | Survey Of Non-Western Art |
| ASL 102 | Beginning American Sign Language II |
| ASL 103 | Intermediate American Sign Language I |
| ASL 104 | Intermediate American Sign Language II |
| BLST 101 | The African-American In U.S. History To World War II |
| BLST 103 | African-American Culture |
| BMS 107 | Human Anatomy |
| BMS 108 | Human Physiology |
| CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry |
| CHIN 102 | Beginning Chinese II |
| CHIN 103 | Intermediate Chinese |
| CHST 103 | Mexican-American (Chicano) Culture |
| CHST 115 | Introduction To Mexican Literature |
| CHST 131 | History Of Chicano Art |
| CIS 101 | Introduction to Computers and Information Systems |
| ECE 102 | Child, Family and Community |
| ECE 115 | Children's Literature |
| ENG 270 | Introduction to Creative Writing |
| ERTH 101 | Introductory Astronomy |
| or ERTH 101H | Introductory Astronomy, Honors |
| ERTH 141/ GEOG 101 | Physical Geography |
| ERTH 141L | Physical Geography Laboratory |
| or GEOG 101L | Physical Geography Laboratory |
| ERTH 151 & 151L | Introductory Physical Oceanography and Introductory Physical Oceanography Laboratory |

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| ERTH/GEOG 152 | Weather and Climate |
| FR 102 | Beginning French II |
| FR 103 | Intermediate French I |
| FR 104 | Intermediate French II |
| GEOG 102 | Human Geography |
| GEOG 104 | World Regional Geography |
| GER 102 | Beginning German II |
| GER 103 | Intermediate German I |
| HE 101 | Personal Health Awareness |
| HEBR 102 | Beginning Modern Hebrew II |
| HIST 102 | History of the U.S. Since 1865 |
| or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 103 | History of Western Civilization |
| HIST 108 | World Civilization, 1550 to Present |
| ITAL 102 | Beginning Italian II |
| JAPN 102 | Beginning Japanese II |
| JAPN 103 | Intermediate Japanese I |
| JAPN 104 | Intermediate Japanese II |
| KOR 102 | Beginning Korean II |
| LATN 102 | Beginning Latin II |
| MATH 114 | Mathematics for Liberal Arts Majors |
| MATH 117 | Elementary Statistics |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I |
| MATH 138 | Precalculus - College Algebra and Trigonometry |
| MATH 150 | Calculus with Analytic Geometry I |
| MUS 100 | Fundamentals Of Music Techniques |
| MUS 102A | Basic Musicianship |
| MUS 118 | World Music |
| MUS 146 | Beginning Guitar |
| MUS 148 | Intermediate Guitar |
| MUS 160 | College Choir |
| PE 217 | Movement Education In The Elementary School |
| PHIL 100 | Introduction to Philosophy |
| or PHIL 100H | Introduction to Philosophy, Honors |
| or PHIL 101 | Introduction to Ethics |
| or PHIL 101H | Introduction To Ethics, Honors |
| PHIL 102 | Comparative World Religions |
| PHIL 200 | History Of Philosophy: Ancient |
| PHIL 201 | History of Philosophy: Modern |
| POLS 131 | Comparative Politics |
| PSY 100 | General Psychology |
| or PSY 100H | General Psychology, Honors |
| PSY 140 | Child Development |
| PSY 145 | Human Development |
| PSY 150 | Statistics for the Behavioral Sciences |
| SOC 101 | Introduction To Sociology |
| or SOC 101H | Introduction to Sociology, Honors |
| SOC 104 | Social Psychology |
| SPAN 102 | Beginning Spanish II |
| SPAN 103 | Intermediate Spanish I |

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|---|---|
| SPAN 104 | Intermediate Spanish II |
| TA 107 | Development Of Drama: Greek to Renaissance |
| TA 108 | Development Of Drama II: Restoration To Contemporary |
| TA 111 | Beginning Acting |
| **Total Units** | **52.00-59.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Develop an awareness of the study of cultural, literary, humanistic activities and artistic expression of human beings.
2. Evaluate and interpret the ways in which humans through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation.
3. Use the scientific method to develop and test a hypothesis.
4. Use mathematics to predict and model scientific phenomena.
5. Evaluate human behavior and human interaction in the social and physical environment.
6. Survey, analyze and interpret concepts, theories and methodologies to cultivate an understanding of human beings and the societies and cultures they create.
7. Identify and evaluate how societies and social subgroups operate.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Liberal Studies, Associate in Arts (AA): Education Emphasis

The Liberal Studies: Emphasis in Education Degree prepares students to transfer to a Liberal Studies—Teacher Education bachelor's degree program. The degree is intended to provide students with options to select appropriate coursework to meet lower-division requirements of the Liberal Studies program of the four-year institution they are planning to attend. Articulation agreements for most Liberal Studies—Teacher Education programs offered at the University of California and the California State University systems are available on the ASSIST website at www.assist.org (http://www.assist.org).

Liberal Studies—Teaching Education programs are different at each four-year institution. Therefore, students must select their courses for the Associate Degree in consultation with an SBCC academic counselor to ensure they satisfy the lower-division preparation for the Liberal Studies program of the four-year institution to which they are planning to transfer.

The Liberal Studies: Emphasis in Education Degree at Santa Barbara City College is an interdisciplinary program that provides students with a foundation of knowledge in the areas of English composition, critical thinking, oral communication, physical and life sciences, arts

and humanities, and social sciences. Through this program, students acquire a breadth of knowledge across multiple disciplines, explore how knowledge across disciplines can be connected, analyze and evaluate ideas using the tools of critical thinking, and demonstrate effective communication skills in reading, writing, listening and speaking. Since Liberal Studies is a "college-wide" interdisciplinary Associate Degree program, it does **not** have departmental affiliation. Inquiries regarding the Liberal Studies program should be directed to an academic counselor or the Dean, Educational Programs—Student Development and Counseling.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Requirements: | | |
| ED 101 | Introduction To Teaching And Learning In K-12 Education | 3 |
| COMM 121 | Interpersonal Communication [1] | 3 |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 131 | Fundamentals Of Public Speaking | |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| or COMM 141 | Small Group Communication | |
| or COMM 161 | Communication in Organizations | |
| or COMM 235 | Argumentation and Debate | |
| ENG 110 | Composition and Reading | 4 |
| or ENG 110H | Composition and Reading, Honors | |
| ENG 111 | Critical Thinking and Composition Through Literature [1] | 3 |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| or PHIL 111 | Critical Thinking And Writing In Philosophy | |
| or PHIL 205 | Introduction to Logic | |
| or COMM 235 | Argumentation and Debate | |
| Controlled Electives | | |
| Complete two courses from the following (Physical and Biological Sciences): [2] | | 7-10 |
| BIOL 100 | Concepts Of Biology | |
| BIOL 140 | Principles of Biology | |
| BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory | |
| BMS 107 | Human Anatomy | |
| BMS 108 | Human Physiology | |
| ERTH 101 | Introductory Astronomy | |
| or ERTH 101H | Introductory Astronomy, Honors | |
| ERTH 101 & ERTH 102 | Introductory Astronomy and Observational Astronomy Laboratory | |
| ERTH 101H & ERTH 102 | Introductory Astronomy, Honors and Observational Astronomy Laboratory | |
| ERTH 111 | Dynamic Earth - Physical Geology | |
| or ERTH 111H | Dynamic Earth - Physical Geology, Honors | |
| ERTH 111 & 111L | Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory | |
| ERTH 111H & ERTH 111L | Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory | |
| ERTH 112 | History Of The Earth | |
| ERTH 112 & 112L | History Of The Earth and Historical Geology Laboratory | |
| ERTH 151 | Introductory Physical Oceanography | |
| ERTH 151 & 151L | Introductory Physical Oceanography and Introductory Physical Oceanography Laboratory | |
| PHSC 103 | The Physical Universe | |
| PHYS 101 | Conceptual Physics | |
| PHYS 101 & 101L | Conceptual Physics and Conceptual Physics Laboratory | |
| PHYS 102 | Introductory Physics For Science Majors | |
| Complete two courses from the following (Social Sciences): | | 6-8 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| BLST 101 | The African-American In U.S. History To World War II | |
| ECE 102 | Child, Family and Community | |
| ECE 120 | Child Growth and Development/ Educators | |
| ERTH 142/ GEOG 105 | Economic Geography | |
| GEOG 102 | Human Geography | |
| HIST 101 | History of the U.S. to 1877 [3] | |
| HIST 102 | History of the U.S. Since 1865 [3] | |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 107 | World Civilization, Beginnings to 1550 [3] | |
| HIST 108 | World Civilization, 1550 to Present [3] | |
| POLS 101 | American Government And Politics | |
| PSY 100 | General Psychology | |

| | | |
|---|---|---|
| or PSY 100H | General Psychology, Honors | |
| PSY 140 | Child Development | |
| PSY 145 | Human Development | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 104 | Social Psychology | |
| Complete two courses from the following (Arts and Humanities): | | 6-10 |
| ART 101 | Visual Literacy | |
| ART 103 | History of Art, Prehistoric to Gothic | |
| or ART 103H | History of Art, Prehistoric to Gothic, Honors | |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| CHST 115 | Introduction To Mexican Literature | |
| CHST 131 | History Of Chicano Art | |
| ECE 115 | Children's Literature | |
| ENG 221 | Survey of British Literature: 800-1798 | |
| or ENG 221H | Survey of British Literature 800-1798, Honors | |
| ENG 222 | Survey of British Literature: 1798-Present | |
| or ENG 222H | Survey of British Literature: 1798-Present, Honors | |
| ENG 225 | American Literature: Pre-Colonization to 1865 | |
| ENG 226 | American Literature: 1865-present | |
| or ENG 226H | American Literature, Honors | |
| ENG 231 | World Literature: Ancient Times to 16th Century | |
| ENG 232 | World Literature: 17th Century to Present | |
| HIST 101 | History of the U.S. to 1877 [3] | |
| HIST 102 | History of the U.S. Since 1865 [3] | |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 107 | World Civilization, Beginnings to 1550 [3] | |
| HIST 108 | World Civilization, 1550 to Present [3] | |
| MUS 110 | Music Appreciation | |
| MUS 118 | World Music | |
| PE 250 | Survey and Appreciation of Dance History | |
| PHIL 100 | Introduction to Philosophy | |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| PHIL 101 | Introduction to Ethics | |
| or PHIL 101H | Introduction To Ethics, Honors | |
| PHIL 102 | Comparative World Religions | |
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| TA 103 | Theatre Appreciation | |
| TA 111 | Beginning Acting | |
| Foreign Language | | |
| **Total Units** | | **32.00-41.00** |

[1] COMM 235 Argumentation and Debate can only satisfy one core requirement (oral communication or critical thinking), not both.
[2] At least one of the courses must have a lab

[3] HIST 101 History Of The U.S. To 1877, HIST 102 History Of The U.S. Since 1865 or HIST 102H History Of The U.S. Since 1865, Honors, HIST 107 World Civilization, Beginnings To 1550, HIST 108 World Civilization, 1550 To Present can only satisfy one section (section 2 or section 3), not both.

**Recommended Courses**

| Code | Title | Units |
|---|---|---|
| ANTH 104 | Language and Culture | 3 |
| COMP 101 | Introduction to Computer Applications | 4 |
| ECON 101 | Microeconomics | 3-4 |
| or ECON 101H | Microeconomics, Honors | |
| or ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| ED 291 | Practicum in Teaching | 2 |
| ED 295 | Internship In Education | 2-3 |
| HE 101 | Personal Health Awareness | 3 |
| or HE 102 | Personal Health for Women | |
| MATH 108 | Mathematical Concepts for Elementary School Teachers-Number Systems | 4 |
| SPAN 101 | Beginning Spanish I | 5 |

## Learning Outcomes

1. Students will be able to apply the fundamentals of critical and reflective thinking to the analysis of the issues and challenges facing American education.
2. Students will develop a personal philosophy of education in order to be able to articulate their personal goals, values and beliefs about teaching.
3. Students will develop a pre-professional portfolio for use in the advancement in the field.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Library
## Overview

The library plays a central role in the life of the campus and is visited by thousands of students a day. The Eli Luria Library embraces its slogan: Explore, Learn, Grow.  We inspire discovery by offering dynamic, innovative, and welcoming physical and virtual environments for students and faculty, and providing the resources, services, and instruction they need to achieve educational, professional, and personal growth and success.

Professional librarians are available at all open hours for reference and research support, and to provide instruction in information competency, whether within a research workshop or one-on-one. Individual research services are provided in-person, using chat online at the library website, or by telephone.

Access to the library catalog and information about all resources, staff, and services are available through the Library website, from on or off campus. Resources are expansive and include a print collection of over 92,000 books and over 123,500 electronic books, print periodicals, and many electronic databases representing a wide range of disciplines. Copies of most course textbooks are available for short-term use, checked out with a current campus ID.  Books and copies of articles from periodical titles not owned are available to the SBCC students, faculty, and staff via interlibrary loan.

There are many different kinds of spaces in the library to sit, study, meet with others, participate in events hosted by the library, or enjoy a snack or beverage in the Buzz Shack, a cafe inside the library.  Many kinds of technology are available including WiFi access, desktop computers, scanners, printers, copiers. There are even portable computers for 4-hour check out.

# Marine Diving Technologies

Students who enroll in the Marine Diving Technologies Program have options to obtain an Associate in Science Degree or Certificate in marine technology. Industry-based certifications meeting the American National Standards Institute (ANSI) "Commercial Diver Training—Minimum Standard ANSI/ACDE-01-2015". The Association of Diving Contractors International (ADCI) Surface Supplied Diving Certification International Endorsement and the International Diving Schools Association (IDSA) standards are also available for the field of commercial diving. The training is designed to meet the needs of the marine construction, research and tourism industries. These multi-billion dollar marine technology industries are dynamic and require personnel who have a broad training base involving technical skills above and below the water.

The Marine Science curriculum trains students interested in the fields of mariculture, boating and recreation, skin and Scuba diving, physical and biological oceanography, scientific research and marine science education. Satisfactory completion of the two-semester curriculum earns the student a Biological Sciences Departmental Marine Science Certificate. See the Biological Sciences (https://catalog.sbcc.edu/academic-departments/biological-sciences/) section of this Catalog.

In addition to the credit programs, the Department also offers:

- Commercial Diver Training, ANSI Certification
- Commercial Diving, ADC Certification

## Programs of Study

**Associate Degree**

- Marine Diving Technician, Associate of Science (AS) (p. 307)

**Certificate of Achievement**

- Marine Diving Technician, Certificate of Achievement (C) (p. 308)

**Skills Competency Award**

- Commercial Diving, Skills Competency Award (SCA) (p. 306)

**Department Award**

- Marine Science, Department Award (D) (p. 200)

# Commercial Diving, Skills Competency Award (SCA)
## Overview

Our world increasingly relies upon the resources and knowledge gained from the ocean and marine environment, our last frontier. This reality requires the Marine Diving Technologies Program to continue to provide the highest quality divers and marine technicians worldwide. The program is open to all interested students for both diving and non-diving classes. The program serves the needs of entry-level students, employees in the workforce and students seeking personal enrichment. Students can attend part time or full-time in both diving and non-diving marine-related classes. Graduates can pursue multiple marine career paths in marine and underwater technology, working above and below the water with many types of sophisticated marine data collection instruments, diving and life-supporting equipment.

Santa Barbara City College's Marine Diving Technologies Program is recognized worldwide for its vocational excellence. It is the only community college degree program in the nation which is accredited by the Association of Commercial Diving Educators (ACDE), the International Diving Schools Association (IDSA) and the National Association of Underwater Instructors (NAUI). Santa Barbara City College pioneered formalized diver and technician education with the A.S. Degree curriculum in 1968. It was the recipient of the Exemplary Program Award in 1998 from the State of California Community Colleges Chancellor's Office.

Students who enroll in the Marine Diving Technologies Program have options to obtain an Associate in Science Degree or Certificate in marine technology. Industry-based certifications meeting the American National Standards Institute (ANSI) "Commercial Diver Training ñ Minimum Standard ANSI/ ACDE-01-1998" and the International Diving Schools Association (IDSA) standards are also available for the field of commercial diving. The training is designed to meet the needs of the marine construction, research and tourism industries. These multi-billion dollar marine technology industries are dynamic and require personnel who have a broad training base involving technical skills above and below the water.

The Associate in Science Degree curriculum includes instruction in all phases of commercial diving, hyperbarics, bell/saturation diving, emergency medicine, boating and marine science, to name but a few. Teamwork and safety are the prime emphases of the training.

There are virtually unlimited opportunities and challenges for the individual who desires an exciting and rewarding future researching the world's needs for resources,

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| MDT 107 | Hyperbaric Chamber Operations | 1.5 |
| MDT 108 | Rigging | 1 |

| MDT 109 | Seamanship and Small Boat Handling | 1.5 |
|---|---|---|
| MDT 111 | First Aid For The Diving Professional | 1.4 |
| MDT 112 | Introduction To Marine Welding | 1.1 |
| MDT 140 | Principles Of Surface-Supplied Diving | 1 |
| MDT 141 | Commercial Diving Equipment | 1.5 |
| MDT 142 | Surface-Supplied Ocean Diving | 1.8 |
| MDT 143 | Mixed Gas Diving | 1.1 |
| MDT 145 | Principles Of Underwater Cutting And Welding | 1 |
| MDT 146 | Advanced Underwater Cutting And Welding | 1.5 |
| MDT 152 | Underwater Tools And Inspection | 1.7 |
| **Total Units** | | **16.10** |

## Learning Outcomes

1. Demonstrate proper tending techniques used in commercial diving.
2. Demonstrate proficiency in the safe operation of a hyperbaric chamber.
3. Recognize signs/symptoms and select appropriate treatment schedules for diving related accidents.
4. Rig proper loads and calculate safety factors for lifting applications.
5. Successfully tie knots and perform splicing commonly used in marlinespike seamanship.
6. Demonstrate proficiency in safe small boat handling during various at sea conditions.
7. Perform First Aid and CPR to American Red Cross standards in single and two rescuer mode.
8. Safely perform cutting and welding in both topside and underwater environments.
9. Safely use and operate light-weight and heavy gear diving equipment.
10. Perform routine operation and maintenance of diesel engines and diving compressors.
11. Safely operate and maintain all related surface supplied diving apparatus, support equipment and life support equipment.
12. Perform as a Diving Supervisor in a diving operation demonstrating safe, effective leadership skills.
13. Demonstrate proficiency in performing safety/planning techniques using industry standards.

# Marine Diving Technician, Associate of Science (AS)

## Overview

A.S. Degree Marine Diving Technician program trains professional commercial divers and technicians.  The program is open to part-time and full-time students for both diving and non-diving related coursework.   The training curriculum includes instruction in all phases of commercial diving, hyperbaric medicine, marine science, boating, bell/saturation diving emergency medicine, and remote operated vehicles (ROV's) to name but a few.  Teamwork and Safety are the prime emphases of marine technician training.  Students completing the full Associate in Science program are also eligible for industry certifications which are required for employment.  The A.S. degree increases the diversity of career paths and employability of graduates within the marine industry.  A.S. degree

students train in marine technology and supplement their skills with specialized technology classes and general education requirements.

Admission Requirements: The program is open to all interested students to both diving and non-diving classes.

1. Non-diving students submit SBCC Application to Admissions Office
2. Students enrolling in diving classes, provide proof of diving certification and submit the Department Application for Diving.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BIOL 124 | Biological Oceanography | 3-4 |
| or BIOL 142 | Marine Science | |
| or ERTH 151 | Introductory Physical Oceanography | |
| BIOL 125 | Marine Biology | 4 |
| DRFT 101 | Basic Drafting | 3-5 |
| or DRFT 130 | Computer-Assisted Drafting And Design I | |
| or ENGR 105 | Engineering Graphics | |
| EMT 110 | Emergency Medical Technician-Basic | 6 |
| MDT 101 | Information and Introduction to Marine Diving Technology | 0.3 |
| MDT 104 | Fundamentals and Practices of Diving | 2 |
| MDT 105 | Advanced Scuba Techniques | 1.7 |
| MDT 106 | Open Water Navigation And Rescue | 0.7 |
| MDT 107 | Hyperbaric Chamber Operations | 1.5 |
| MDT 108 | Rigging | 1 |
| MDT 109 | Seamanship and Small Boat Handling | 1.5 |
| MDT 111 | First Aid For The Diving Professional | 1.4 |
| MDT 112 | Introduction To Marine Welding | 1.1 |
| MDT 140 | Principles Of Surface-Supplied Diving | 1 |
| MDT 141 | Commercial Diving Equipment | 1.5 |
| MDT 142 | Surface-Supplied Ocean Diving | 1.8 |
| MDT 143 | Mixed Gas Diving | 1.1 |
| MDT 145 | Principles Of Underwater Cutting And Welding | 1 |
| MDT 146 | Advanced Underwater Cutting And Welding | 1.5 |

| Code | Title | Units |
|------|-------|-------|
| MDT 147 | Ocean Structures | 0.5 |
| MDT 148 | Hydraulics I | 0.7 |
| MDT 152 | Underwater Tools And Inspection | 1.7 |
| MDT 154 | Bell And Saturation Diving Procedures | 1.7 |
| MDT 179 | Nitrox Diving | 0.8 |
| MDT 190 | Assessment And Development Of Diving Competence | 1 |
| PHYS 101 & 101L | Conceptual Physics and Conceptual Physics Laboratory | 4 |
| **Total Units** | | **45.50-48.50** |

**Recommended Electives**

| Code | Title | Units |
|------|-------|-------|
| CS 101 | Computer Concepts | 4 |
| PE 134A | Swimming For Conditioning: Beginning | 1.5 |

## Learning Outcomes

1. Meet the qualifications of an entry-level commercial diver established by the United States Occupational Safety and Health Administration, the United States Coast Guard, the American National Standards Institute and the Association of Diving Contractors
2. Comprehend physical laws governing hyperbaric and industrial operations in a marine environment
3. Conduct hyperbaric and industrial-related activities safely and in accordance with recognized agency and industry standards
4. Apply knowledge of diving techniques and associated capabilities to determine proper operational procedures for diverse marine-related construction, inspection, maintenance, repair and decommissioning projects
5. Perform the assigned duties of an entry-level diver as an individual or member of a support team in a safe, effective and efficient manner

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Marine Diving Technician, Certificate of Achievement (C)

### Overview

A certificate of achievement as a Marine Diving Technician certifies professional commercial divers for employment under ANSI/ACDE-01-1998 industry standards.  The training curriculum includes instruction in all phases of commercial diving, hyperbaric medicine, bell/saturation diving emergency medicine, and remote operated vehicles (ROV's) to name but a few.  Teamwork and Safety are the prime emphases of marine technician training.  Students completing the certificate program receive industry certifications which are required for employment.  Students completing the full certificate program have the option to seek employment in the marine industry or combine their

completed coursework toward an Associate in Science degree in Marine Technology at SBCC.

Admission Requirements: The program is open to all interested students to both diving and non-diving classes.

1. Non-diving students submit an SBCC Application to Admissions Office.
2. Students enrolling in diving classes, provide proof of diving certification and submit the Department Application for Diving

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| MDT 101 | Information and Introduction to Marine Diving Technology | 0.3 |
| MDT 104 | Fundamentals and Practices of Diving | 2 |
| MDT 105 | Advanced Scuba Techniques | 1.7 |
| MDT 106 | Open Water Navigation And Rescue | 0.7 |
| MDT 107 | Hyperbaric Chamber Operations | 1.5 |
| MDT 108 | Rigging | 1 |
| MDT 109 | Seamanship and Small Boat Handling | 1.5 |
| MDT 111 | First Aid For The Diving Professional | 1.4 |
| MDT 112 | Introduction To Marine Welding | 1.1 |
| MDT 140 | Principles Of Surface-Supplied Diving | 1 |
| MDT 141 | Commercial Diving Equipment | 1.5 |
| MDT 142 | Surface-Supplied Ocean Diving | 1.8 |
| MDT 143 | Mixed Gas Diving | 1.1 |
| MDT 145 | Principles Of Underwater Cutting And Welding | 1 |
| MDT 146 | Advanced Underwater Cutting And Welding | 1.5 |
| MDT 147 | Ocean Structures | 0.5 |
| MDT 148 | Hydraulics I | 0.7 |
| MDT 152 | Underwater Tools And Inspection | 1.7 |
| MDT 154 | Bell And Saturation Diving Procedures | 1.7 |
| MDT 179 | Nitrox Diving | 0.8 |
| MDT 190 | Assessment And Development Of Diving Competence | 1 |
| **Total Units** | | **25.50** |

**Recommended Electives**

| Code | Title | Units |
|------|-------|-------|
| BIOL 124 | Biological Oceanography | 3-4 |
| or BIOL 142 | Marine Science | |
| or ERTH 151 | Introductory Physical Oceanography | |
| BIOL 125 | Marine Biology | 4 |
| CS 101 | Computer Concepts | 4 |
| DRFT 101 | Basic Drafting | 3-5 |
| or DRFT 130 | Computer-Assisted Drafting And Design I | |

| or ENGR 105 | Engineering Graphics | |
| EMT 110 | Emergency Medical Technician-Basic | 6 |
| PE 134A | Swimming For Conditioning: Beginning | 1.5 |
| PHYS 101 & 101L | Conceptual Physics and Conceptual Physics Laboratory | 4 |

## Learning Outcomes

1. Meet the qualifications of an entry-level commercial diver established by the United States Occupational Safety and Health Administration, the United States Coast Guard, the American National Standards Institute and the Association of Diving Contractors

2. Comprehend physical laws governing hyperbaric and industrial operations in a marine environment

3. Conduct hyperbaric and industrial-related activities safely and in accordance with recognized agency and industry standards

4. Apply knowledge of diving techniques and associated capabilities to determine proper operational procedures for diverse marine-related construction, inspection, maintenance, repair and decommissioning projects

5. Perform the assigned duties of an entry-level diver as an individual or member of a support team in a safe, effective and efficient manner

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Mathematics

Each year, the list of careers demanding familiarity with basic mathematical skills grows. Animation, urban planning, geography, environmental science, architecture, business management, nursing, dentistry, forestry management, psychology and photography represent only a small sample from this list.  Many careers require more sophisticated mathematical skills, such as physics, engineering, and computer science.

The Mathematics Department at Santa Barbara City College offers a broad curriculum to meet the needs of students with a wide variety of goals. The department offers the following sequences and courses to help our students achieve their career goals:

1. A standard college-level sequence in single and multivariable calculus, linear algebra, and differential equations for students who plan to transfer to four-year colleges or universities in STEM fields.

2. Transfer-level courses in statistics, mathematics for liberal arts majors, and college algebra.

3. A two-course sequence in calculus for Business, Biological Sciences and Social Science majors.

4. A complete precalculus program, including elementary algebra, intermediate algebra, college algebra and trigonometry to review old or gain new mathematical skills.

**Planning a Program of Study**

The required first-year Calculus, and indeed all of our math courses, are offered each semester (except possibly in summer). The Physics courses are offered sequentially, beginning each spring with PHYS 121 Mechanics Of Solids And Fluids.  Care should be taken, however, that one semester of calculus is completed before attempting the Physics sequence. It is recommended that students take courses in order. A programming language course should be taken as soon as possible because of its usefulness as a computational tool.

The mathematics major at Santa Barbara City College meets the accepted normal curriculum. However, transfer students are advised to review, in depth, the current catalogs of institutions to which they plan to transfer for additional course requirement information.

Because mathematics is such a precisely structured discipline, students who have not acquired adequate skills and understanding at one course level will find it most difficult to succeed in the next higher course. For this reason, an important part of the Mathematics Program at Santa Barbara City College is appropriate placement of students into classes to increase their chances of success in mastering course content.

Placement into a math class can occur one of three ways:

1. If students are beginning their college career and have not taken college level math classes at another accredited college or university, then they need to visit the assessment center. For assessment information and hours, call the Assessment Center at (805) 730-4149 or sbcc.edu/assessmentcenter (http://www.sbcc.edu/assessmentcenter/).

2. If students are transferring from another college or if have already taken college-level math classes, then they need to submit evidence of previous math courses to the Transcript Evaluation Office. For course evaluation information, go to sbcc.edu/teo (http://sbcc.edu/teo/).

3. If students are continuing at SBCC, they should follow the appropriate sequence posted in the Schedule of Classes. There are several branches of the sequence, and **each student should consult with a math instructor or counselor** to make sure he/she has chosen the correct path for his/her educational goals.

Students are urged to take placement examinations and enroll in math classes as soon as possible, preferably taking math their first semester. It is not wise to postpone taking required math courses. Doing so might significantly delay transfer.

**Preparation for Transfer**

Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is **most important for a student to consult with his/her counselor and departmental adviser before planning an academic program for transfer**. Information sheets for majors, outlining transfer requirements, are available in the Counseling Center and the Transfer Center.

## Programs of Study

**Associate Degree for Transfer**

- Mathematics, Associate in Science for Transfer (AS-T) (p. 310)

**Associate Degree**

- Data Science, Associate of Science (AS) (https://catalog.sbcc.edu/academic-departments/computer-science/data-science-as/)
- Mathematics, Associate of Science (AS) (p. 310)

**Certificates of Achievement**

- Data Science, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/computer-science/data-science-certificate-achievement/)

# Mathematics, Associate of Science (AS)

## Overview

The Mathematics department strives to provide our students with the educational background necessary to pursue a successful career and to successfully transition into a baccalaureate institution. Each year, the list of careers demanding familiarity with basic mathematical skills grows. Environmental sciences, architecture, business management, nursing, dentistry, computer programming, electronics, forestry management, psychology and photography represent only a small sample from this list.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 200 | Multivariable Calculus [1] | 4 |
| MATH 210 | Linear Algebra [1] | 4 |
| MATH 220 | Differential Equations [1] | 4 |
| Complete two courses from the following: | | 6-10 |
| CHEM 155 | General Chemistry I | |
| CS 104 | Introduction to Programming | |
| CS 105 | Theory and Practice I | |
| CS 106 | Theory and Practice II | |
| CS 107 | Computer Architecture and Organization | |
| CS 108 | Discrete Structures | |
| CS 133 | Introduction to Programming for Engineers | |
| CS 137 | C Programming | |
| CS 140 | Object-Oriented Programming Using C++ | |
| MATH 180 | Transition to Advanced Mathematics | |
| PHYS 121 | Mechanics Of Solids And Fluids | |
| PHYS 122 | Electricity and Magnetism | |
| PHYS 123 | Heat, Light and Modern Physics | |
| **Total Units** | | **28.00-32.00** |

[1] MATH 250/MATH 260 will also satisfy these requirements.

## Learning Outcomes

1. Use symbolic, graphical, numerical and written representations to describe mathematical ideas.
2. Use mathematical reasoning to solve problems and apply a variety of problem-solving approaches to find and interpret solutions.
3. Use mathematics to model and solve problems in the sciences.
4. Use appropriate technology to enhance mathematical thinking and understanding, solve mathematical problems, and interpret their results.
5. Use the language and notation of differential and integral calculus correctly and use appropriate style and format in written work.
6. Recognize the roles of definitions, axioms and theorems, and identify and construct valid deductive arguments.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Mathematics, Associate in Science for Transfer (AS-T)

The Mathematics Department at Santa Barbara City College offers a broad curriculum to meet the needs of students with a wide variety of goals. It offers a standard college-level sequence in single and multivariable calculus, analytic geometry, linear algebra and ordinary differential equations for freshman and sophomore students who plan to transfer to baccalaureate institutions. In addition, the department offers courses in statistics and calculus for Business, Biological Sciences and Social Science majors, as well as courses in support of Career Technical Education programs.

The Associate in Science for Transfer degree in Mathematics provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses. The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the

California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Required Core** | | |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 200 | Multivariable Calculus | 4 |
| List A - Complete at least one of the following: | | 4 |
| MATH 210 | Linear Algebra | |
| MATH 220 | Differential Equations | |
| List B - Complete one course from the following: | | 3-5 |
| Any course not taken in List A | | |
| CS 105 | Theory and Practice I | |
| CS 106 | Theory and Practice II | |
| CS 108 | Discrete Structures | |
| CS 137 | C Programming | |
| CS 140 | Object-Oriented Programming Using C ++ | |
| MATH 117 or PSY 150 | Elementary Statistics Statistics for the Behavioral Sciences | |
| PHYS 121 | Mechanics Of Solids And Fluids | |
| **Total Units** | | **21.00-23.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Use symbolic, graphical, numerical and written representations to describe mathematical ideas.
2. Use mathematical reasoning to solve problems and apply a variety of problem-solving approaches to find and interpret solutions.
3. Use mathematics to model and solve problems in the sciences.
4. Use appropriate technology to enhance mathematical thinking and understanding, solve mathematical problems, and interpret their results.

5. Use the language and notation of differential and integral calculus correctly and use appropriate style and format in written work.
6. Recognize the roles of definitions, axioms and theorems, and identify and construct valid deductive arguments.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Medical Imaging Sciences

Radiologic Technology is a scientific art using (X-ray) radiation to provide images of bones, organs, soft tissue, and vessels that comprise the human body. A Radiologic Technologist or Radiographer is a healthcare professional. They apply their education and training in hospitals, clinics, imaging centers, and private medical offices. The Radiologic Technologist is an essential member of the Healthcare team working directly with the patient and physician(s), performing a wide variety of diagnostic radiographic procedures.

Our program prepares the student for an entry-level position with a curriculum covering patient care, safety, image production, and radiographic procedures. Upon successful completion of the program, the student will be eligible to take the certification examinations prepared by the American Registry of Radiologic Technologists (ARRT) and receive the State of California Department of Public Health (CDPH) certification.

The Radiologic Technology program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), in coordination with the California Department of Public Health, Radiologic Health Branch (CDPH-RHB).

## Programs of Study

**Associate Degrees**

- Radiography, Associate of Science (AS) (p. 311)

# Radiography, Associate of Science (AS)

## Overview

The Radiography Program prepares a student for licensure as a radiographer.  Graduates work in hospitals, imaging centers, and clinics where they take diagnostic X-rays for physician evaluation.  Opportunities are available to train in Ultrasound, MRI, and CT (advanced procedures) after licensure.  Graduates may also work in industry in the areas of quality control and research and development.  CSU Northridge offers the BS degree in Radiography or Health Science.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| Department Requirements [1] | | |
| AH 120 | Medical Terminology [2] | 1 |
| RT 101 | Introduction To Radiography | 2.33 |
| RT 102 | Fundamentals of Radiographic Positioning and Procedures I | 4 |
| RT 103 | Fundamentals Of Radiographic Positioning And Procedures II | 4 |
| RT 109 | Principles of Radiographic Exposure | 3 |
| RT 111 | Advanced Principles of Exposure | 3 |
| RT 119 | Radiological Technology | 3 |
| RT 120 | Patient Care in Radiography | 3 |
| RT 191 | Radiographic Technology Clinical Practicum I | 5 |
| RT 191A | Radiographic Technology Clinical Practicum 1A | 2.1 |
| RT 192 | Radiographic Technology Clinical Practicum 2 | 5 |
| RT 202 | Advanced Radiographic Procedures | 3 |
| RT 203 | Radiology Certification Preparation | 4 |
| RT 220 | Radiation Biology Protection | 3 |
| RT 230 | Radiographic Pathology | 3 |
| RT 250 | Principles and Applications of Cross-Sectional Anatomy in Imaging | 2 |
| RT 293 | Radiographic Technology Clinical Practicum 3 | 7 |
| RT 294 | Radiographic Technology Clinical Practicum 4 | 8 |
| RT 295 | Radiographic Technology Clinical Practicum 5 | 8.6 |
| Total Units | | 74.03 |

[1] Before entering the program applicants will be required to:
- Complete an application to the RT program
- Be eligible for MATH 107 and ENG 110 or 110H
- Complete RT 100 - Radiography and Health Care
- Attendance at Program Orientation Meeting
- Provide transcripts showing completion of BMS 107 (Human Anatomy) and BMS 108 (Human Physiology) with a grade of C or better
- Pay required badge and materials fee
- Pass a physical examination and current inmunizations
- Provide a current CPR card
- Pass criminal background check
- Pass a five panel drug screen

[2] HIT 135 Basic Medical Terminology has been approved by the Radiography Department as a possible substitute for AH 120 Medical Terminology.

**Recommended Electives**

| Code | Title | Units |
| --- | --- | --- |
| RT 251 | Principles of Mammography and Procedures | 2 |
| RT 290 | Work Experience in Radiography | 1-4 |

# Learning Outcomes

1. *Radiation Protection:* Students are able to apply the principles of radiation protection as required by the state and federal agencies.
2. *Equipment Operation and Quality Control:* Students are able to safely operate and perform quality control measurements on radiographic equipment.
3. *Image Production and Evaluation:* Students are able to evaluate radiographic images for proper anatomy, positioning and technical factors.
4. *Radiographic Procedures:* Students are able to perform radiographic procedures on various anatomical regions based on physical and pathologic conditions.
5. *Patient Care and Education:* Students are able to apply the principles of oral, written and verbal communication to effectively deliver patient care.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Multimedia Arts and Technologies

MAT programs prepare students for careers in:

- Motion Picture CGI
- Pixar 3D Animation
- Gaming
- Virtual Reality/Augmented Reality
- Web Design/Development
- Digital Marketing
- Interactive Design
- UX/UI Design
- App Design

- Media Art Production
- Digital Illustration

MAT students develop projects which allow them to compile a portfolio to showcase and share their work with 4-year colleges, potential employers or potential clients.

MAT offers 2 tracks: one in Media Arts and the other in Animation and Gaming.

### Media Arts

Provides a foundation in digital media content, design and development, web communication and interactivity.

According to the State of California EDD, "web developer" is the sixth fastest-growing occupation in the State, with an expected 48.3% growth by the year 2024. That is over 10,000 jobs in this field alone. Moreover, the field of "media artist and animators" is expected to grow over 15% in the same time period.

### Animation & Gaming

Provides proficiency in Maya, Unreal Engine and more. Every blockbuster motion picture for the past 8 years uses Maya to create Computer Generated Imagery.

3D technologies are widely used for visualization in technical, scientific and educational fields. Companies in fields from aerospace to microbiology hire specialists in 3D production.

## Programs of Study

### Associate Degrees

- Animation and Gaming, Associate of Arts (AA) (p. 313)
- Media Arts, Associate of Arts (AA) (p. 315)

### Certificates of Achievement

- Animation and Gaming, Certificate of Achievement (C) (p. 314)
- Media Arts, Certificate of Achievement (C) (p. 316)

### Skills Competency Awards

- Media Design and Development, Skills Competency Award (SCA) (p. 316)
- Mobile Media Core, Skills Competency Award (SCA) (p. 317)
- Web Marketing and Media Design, Skills Competency Award (SCA) (p. 274)

### Department Award

- Game Design, Department Award (D) (p. 314)

# Animation and Gaming, Associate of Arts (AA)

## Overview

The Animation and Gaming curriculum develops students' aesthetic and technical competence by providing training with professional software in production processes. The program builds a foundation in 3D Animation, production and Game development for entertainment, serious games and simulations.

Our courses give students a core background in visual arts and screen design, providing also technical skills in media development, production and distribution.

The program prepares students for employment in entry-level positions at Game development firms or for transfer to media programs at 4-year institutions.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| MAT 103 | Introduction to Multimedia | 3 |
| MAT 116 | Interactive Design I | 3 |
| MAT 131 | Digital Imaging I | 3 |
| MAT 136 | Introduction to 3D Animation | 3 |
| MAT 137 | Visual Effects for Film, Television and Gaming | 3 |
| MAT 138 | 3-D Character Animation | 3 |
| or MAT 167 | 3-D Environments Design | |
| MAT 141 | 3-D Modeling | 3 |
| MAT 145 | Video Game Design | 3 |
| MAT 205 | Portfolio Development | 3 |
| or MAT 168 | Serious Game Prototyping | |
| **Total Units** | | **27.00** |

**Recommended Courses**

| Code | Title | Units |
|------|-------|-------|
| ART 140 | Studio Art Foundations (2-D) | 3 |
| ART 141 | Studio Art Foundations 3D | 3 |
| CS 111 | HTML And Webmastering | 3 |
| FP 181 | Production Sound for Film and Television | 3 |
| FP 279 | Motion Graphics and Compositing | 3 |
| MAT 112 | Digital Drawing | 3 |
| MAT 132 | Digital Imaging II | 3 |

| | | |
|---|---|---|
| MAT 134A | Classical Animation I | 3 |
| MAT 153 | Web Design I | 3 |

## Learning Outcomes

1. Students will be able to create complex models, apply complex colors and textures to them according to a storyboard.
2. Students will be able to create a digital lighting system and render Photorealistic images in 2D.
3. Students will be able to create the necessary visual effects (environments and natural forces) specified for the story.
4. Students will be able to set up a skeleton for a 3-D model and animate a character according to a storyboard.
5. Students will be able to animate a character according to the dialog in the story.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Animation and Gaming, Certificate of Achievement (C)

## Overview

The Animation& Gaming curriculum develops students' aesthetic and technical competence by providing training with professional software in production processes. The program builds a foundation in 3D Animation, production and Game development for entertainment, serious games and simulations.

Our courses give students a core background in visual arts and screen design, providing also technical skills in media development, production and distribution.

The program prepares students for employment in entry-level positions at Game development firms or for transfer to media programs at 4-year institutions.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| MAT 103 | Introduction to Multimedia | 3 |
| MAT 116 | Interactive Design I | 3 |
| MAT 131 | Digital Imaging I | 3 |
| MAT 136 | Introduction to 3D Animation | 3 |
| MAT 137 | Visual Effects for Film, Television and Gaming | 3 |
| MAT 138 | 3-D Character Animation | 3 |

| | | |
|---|---|---|
| or MAT 167 | 3-D Environments Design | |
| MAT 141 | 3-D Modeling | 3 |
| MAT 145 | Video Game Design | 3 |
| MAT 205 | Portfolio Development | 3 |
| or MAT 168 | Serious Game Prototyping | |
| **Total Units** | | **27.00** |

**Recommended Courses**

| Code | Title | Units |
|---|---|---|
| ART 140 | Studio Art Foundations (2-D) | 3 |
| ART 141 | Studio Art Foundations 3D | 3 |
| CS 111 | HTML And Webmastering | 3 |
| FP 181 | Production Sound for Film and Television | 3 |
| FP 279 | Motion Graphics and Compositing | 3 |
| MAT 112 | Digital Drawing | 3 |
| MAT 132 | Digital Imaging II | 3 |
| MAT 134A | Classical Animation I | 3 |
| MAT 153 | Web Design I | 3 |

## Learning Outcomes

1. Students will be able to create complex models, apply complex colors and textures to them according to a storyboard.
2. Students will be able to create a digital lighting system and render Photorealistic images in 2D.
3. Students will be able to create the necessary visual effects (environments and natural forces) specified for the story.
4. Students will be able to set up a skeleton for a 3-D model and animate a character according to a storyboard.
5. Students will be able to animate a character according to the dialog in the story.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Game Design, Department Award (D)

## Overview

The Game Design Online Program is comprised of intensive, instructor led, modular courses that are delivered by experienced production professionals who are currently working in these related industries. The program is intended for students who want to "learn anywhere, anytime" to train for entry level employment in Serious Game and Simulation Design.

The program has been designed to afford students the opportunity to develop the necessary foundation skills, master the tools and processes, and nurture their artistry and creative vision. In this project-based curriculum, students undergo standard production experiences that reflect industry needs and current industry trends.  The online curriculum design is based upon industry production pipeline workflow, sequenced from fundamentals, through all essentials, to advanced techniques.

Students develop professional skills in pre-production, storytelling, modeling, rigging, texture art, lighting, character animation, special effects, simulation, technical direction, game design, game prototyping, object oriented programming, render management, production management, and portfolio production.

## Requirements

Complete all department requirements with a "C" or better or "P" in each course.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| MAT 116 | Interactive Design I | 3 |
| MAT 121 | Computer Interface Design | 3 |
| MAT 131 | Digital Imaging I | 3 |
| MAT 136 | Introduction to 3D Animation | 3 |
| MAT 145 | Video Game Design | 3 |
| **Total Units** | | **15.00** |

**Recommended Courses**

| Code | Title | Units |
|------|-------|-------|
| MAT 103 | Introduction to Multimedia | 3 |
| MAT 137 | Visual Effects for Film, Television and Gaming | 3 |
| MAT 290 | Work Experience In Multimedia | 1-4 |

## Learning Outcomes

1. Students will be able to input, create, edit, enhance and composite, a variety of visual media (vector based and bitmaps, 2D and 3D) then optimize and format for output to web, screen or mobile media.
2. Students will be able to plan, design and construct an interactive, user centered interface.
3. Students will be able to create complex models in 3D and apply complex colors and textures to them according to a storyboard.
4. Students will be able to analyze story, design and game play in released games in the market, being able to identify problems in those areas.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Media Arts, Associate of Arts (AA)

## Overview

Multimedia is a field of study and an industry emerging from the synthesis of cross-disciplinary media and their production processes. The advent and expanssion of digital technologies of communication through the web, the need for media authoring and its distribution to different devices, has created this confluence of what is often referred to as new media, digital media or multimedia.

The Multimedia Arts curriculum develops students' aesthetic and technical competence by providing training in state-of-the-art software, production processes, theory and concepts.  The program prepares students for employment in applied media industries or for transfer to media programs at 4-year institutions.  Our courses give students a core background in art, design, and technical skills in media development, production and distribution.

Currently, the program focuses on web design and development considering also smart phones and tablets as screening devices.

Students may seek a Certificate or an Associate in Arts Degree in the discipline.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| GDP 110 | Media Design | 3 |
| or MAT 112 | Digital Drawing | |
| MAT 103 | Introduction to Multimedia | 3 |
| MAT 116 | Interactive Design I | 3 |
| or MAT 121 | Computer Interface Design | |
| or MAT 136 | Introduction to 3D Animation | |
| MAT 131 | Digital Imaging I | 3 |
| MAT 153 | Web Design I | 3 |
| MAT 154 | Web Design II: Integration | 3 |
| or MAT 205 | Portfolio Development | |
| or MAT 216 | Interactive Design II - Simple Games | |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Students will be able to input, create, edit, enhance and composite, a variety of visual media (vector-based and bitmaps, 2D and 3D) then optimize and format for output to web, screen or mobile media.
2. Students will be able to develop sophisticated imagery that conveys a message.
3. Students will be able to plan, design and construct a website that effectively communicates business and user goals.

4. Students will be able to plan, design and construct an interactive, user-oriented interface.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Media Arts, Certificate of Achievement (C)

## Overview

Multimedia is a field of study and an industry emerging from the synthesis of cross-disciplinary media and their production processes. The advent and expansion of digital technologies of communication through the web, the need for media authoring and its distribution to different devices, has created this confluence of what is often referred to as new media, digital media or multimedia.

The Multimedia Arts curriculum develops students' aesthetic and technical competence by providing training in state-of-the-art software, production processes, theory and concepts.  The program prepares students for employment in applied media industries or for transfer to media programs at 4-year institutions.  Our courses give students a core background in art, design, and technical skills in media development, production and distribution.

Currently, the program focuses on web design and development considering also smart phones and tablets as screening devices.

Students may seek a Certificate or an Associate in Arts Degree in the discipline.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| GDP 110 | Media Design | 3 |
| or MAT 112 | Digital Drawing | |
| MAT 103 | Introduction to Multimedia | 3 |
| MAT 116 | Interactive Design I | 3 |
| or MAT 121 | Computer Interface Design | |
| or MAT 136 | Introduction to 3D Animation | |
| MAT 131 | Digital Imaging I | 3 |
| MAT 153 | Web Design I | 3 |
| MAT 154 | Web Design II: Integration | 3 |
| or MAT 205 | Portfolio Development | |
| or MAT 216 | Interactive Design II - Simple Games | |
| **Total Units** | | **18.00** |

## Learning Outcomes

1. Students will be able to input, create, edit, enhance and composite, a variety of visual media (vector-based and bitmaps, 2D and 3D) then optimize and format for output to web, screen or mobile media.
2. Students will be able to develop sophisticated imagery that conveys a message.
3. Students will be able to plan, design and construct a website that effectively communicates business and user goals.
4. Students will be able to plan, design and construct an interactive, user-oriented interface.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Media Design and Development, Skills Competency Award (SCA)

## Overview

Multimedia is a field of study and an industry emerging from the synthesis of communication networks and cross-disciplinary media development processes. The advent of digital technologies, media authoring, storage and distribution, in conjunction with traditional media production processes, has created this confluence of what is often referred to a new media, digital media or multimedia.

The Multimedia Arts curriculum develops students' aesthetic and technical competence by providing training in state-of-the-art software, production processes, theory and concepts. The program prepares students for employment in applied media industries or for transfer to media programs at 4-year institutions. Our courses give students a core background in art, design and technical skills in media development, production and distribution.

Currently, the program offers two fields of study with a number of electives. These electives range in specialization from web design and development authoring, sound design and engineering, to 3-D animation and effects compositing. Students may seek an Associate in Arts Degree or pursue a more rigorous and concentrated Certificate.

Along with faculty and staff who bring a passion for teaching and support into the classroom, our program offers a state-of-the-art Digital Arts Center, including over 150 computers, scores of scanners, digital design, editing, animation and audio workstations, along with digital video/still cameras, lighting equipment and a video production studio.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| MAT 116 | Interactive Design I | 3 |
| MAT 145 | Video Game Design | 3 |
| **Total Units** | | **6.00** |

## Learning Outcomes

1. Design and develop media content that incorporate design, usability and interaction principles, specific to mobile device use.
2. Write scripts and programs that enhance interactivity.
3. Develop content according to technical standards and constraints.
4. Develop content according to technical standards and constraints.

# Mobile Media Core, Skills Competency Award (SCA)

## Overview

Multimedia is a field of study and an industry emerging from the synthesis of communication networks and cross-disciplinary media development processes. The advent of digital technologies, media authoring, storage and distribution, in conjunction with traditional media production processes, has created this confluence of what is often referred to a new media, digital media or multimedia.

The Multimedia Arts curriculum develops students' aesthetic and technical competence by providing training in state-of-the-art software, production processes, theory and concepts. The program prepares students for employment in applied media industries or for transfer to media programs at 4-year institutions. Our courses give students a core background in art, design and technical skills in media development, production and distribution.

Currently, the program offers two fields of study with a number of electives. These electives range in specialization from web design and development authoring, sound design and engineering, to 3-D animation and effects compositing. Students may seek an Associate in Arts Degree or pursue a more rigorous and concentrated Certificate.

Along with faculty and staff who bring a passion for teaching and support into the classroom, our program offers a state-of-the-art Digital Arts Center, including over 150 computers, scores of scanners, digital design, editing, animation and audio workstations, along with digital video/still cameras, lighting equipment and a video production studio.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| MAT/MKT 164 | Online and Mobile Marketing | 3 |
| **Total Units** | | **3.00** |

## Learning Outcomes

1. Identify key historical and technological concepts and current trends in the wireless industry.
2. Discuss ways in which mobile media is being used for commercial, entertainment and educational purposes.
3. Develop marketing strategies for online and mobile content.

# Music

The Santa Barbara City College Music Department offers a comprehensive program aimed at reaching each student of music, both major and non-major alike. It provides the music major with a thorough basis in the creative (theory, composition, interpretation) and recreative (performance, applied music, history and appreciation) realms of musical endeavor and enjoyment. For those interested in the commercial music field, the department offers courses in jazz, sound recording and electronic music, song writing and arranging. Non-majors seeking a better understanding of music can participate in performance groups and classes in theory, history and instrumental instruction, among others.

The Associate in Arts Degree is conferred upon completion of the two-year program of study as a Music major and completion of the state and local requirements outlined later in this section. Courses are structured to offer an articulated transfer program for the major and a core of courses is offered to satisfy and nourish the reentry and continuing non-major student seeking an expressive and enjoyable musical experience.

The facilities at SBCC feature the finest in performance and rehearsal areas, no-cost use of musical instruments, individual practice rooms, and an array of special resources and equipment designed to aid students in their musical studies and achievements.

## Programs of Study

**Associate Degree for Transfer**

- Music, Associate in Arts for Transfer (AA-T) (https://catalog.sbcc.edu/academic-departments/music/music-transfer-aat/)

**Associate Degree**

- Music, Associate of Arts (AA) (p. 318)
- Note: SBCC also offers and Dance, Associate of Arts (AA) through the Physical Education/Dance/Athletics (p. 327) department

**Certificate of Achievement**

- Commercial Music, Certificate of Achievement (C) (p. 317)

**Department Award**

- Music, Department Award (D) (p. 319)

# Commercial Music, Certificate of Achievement (C)

## Overview

This curriculum offers an opportunity to develop skills in specific performance or technical areas, creating a broad based historical and theoretical background as applied to the commercial music field.

# Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| MUS 102A | Basic Musicianship | 3 |
| MUS 102B | Basic Musicianship | 2.5 |
| MUS 104A | Beginning Theory | 3 |
| MUS 104B | Beginning Theory | 3 |
| MUS 112 | History of Jazz | 3 |
| MUS 120A | Sound Recording And Electronic Music | 3 |
| MUS 120B | Sound Recording And Electronic Music | 3 |
| MUS 128A | Songwriting I | 3 |
| MUS 128B | Songwriting II | 3 |
| MUS 165 | Beginning Jazz Improvisation | 1 |
| MUS 166 | Intermediate-Advanced Jazz Improvisation | 1 |
| Complete 4-8 units (1-2 units each semester for a total of four semesters) of Music Performance from the following: | | 4-8 |
| MUS 156 | Bebop Vocal Jazz Ensemble | |
| MUS 157 | Swing Vocal Jazz Ensemble | |
| MUS 160 | College Choir | |
| MUS 162 | Chamber Singers | |
| MUS 163 | Quire Of Voyces | |
| MUS 164 | Vocal Jazz Ensemble | |
| MUS 167 | Beginning Jazz Ensemble | |
| MUS 168 | Intermediate Jazz Ensemble | |
| MUS 169 | Advanced Jazz Ensemble | |
| MUS 170 | Symphony Orchestra | |
| MUS 171 | Chamber Music of the Baroque Era | |
| MUS 172 | Intermediate Orchestra | |
| MUS 174 | Chamber Music | |
| MUS 175 | Chamber Music of the Modern Era | |
| MUS 176 | Concert Band | |
| MUS 177 | Symphonic Band | |
| MUS 178 | Wind Ensemble | |
| **Total Units** | | **32.50-36.50** |

## Learning Outcomes

1. Recognize compositional form and basic skills in creation of a song.
2. Analyze and critically evaluate a musical performance.
3. Demonstrate an understanding of and skill level in the use of music technology.
4. Demonstrate an understanding of and skill level in the use of music technology.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Music, Associate of Arts (AA)
## Overview

The Music Department offers a comprehensive program designed to provide a wide variety of musical experience for both the general college student, and the student seeking a career as a professional musician.

 It provides the music major with a thorough basis in the creative (theory, composition, interpretation) and recreative (performance, applied music, history, and appreciation) process.

 For those interested in the commercial music field, the department offers a certificate program with courses in jazz, sound recording and electronic music, song writing and arranging.

 The facilities at SBCC feature the finest in performance and rehearsal areas, no-cost use of musical instruments, individual practice rooms, and an array of special resources and equipment designed to aid students in their musical studies and achievements.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| MUS 102A | Basic Musicianship | 3 |
| MUS 102B | Basic Musicianship | 2.5 |
| MUS 104A | Beginning Theory | 3 |
| MUS 104B | Beginning Theory | 3 |
| MUS 114A | Survey of Music History | 3 |
| MUS 114B | Survey of Music History | 3 |

| MUS 140A | Beginning Piano | 1 |
|---|---|---|
| MUS 140B | Beginning Piano | 1 |
| MUS 142A | Intermediate Piano | 1 |
| MUS 142B | Intermediate Piano | 1 |
| MUS 150 | Beginning String Techniques | 1 |
| MUS 152 | Beginning Wind And Percussion Techniques | 1 |
| MUS 154 | Vocal Techniques I | 1 |
| MUS 202A | Intermediate Musicianship | 2.5 |
| MUS 202B | Intermediate Musicianship | 3 |
| MUS 204A | Intermediate Theory | 3 |
| MUS 204B | Intermediate Theory | 3 |
| Complete 4 units of Performance Controlled Electives from the following: | | 4 |
| MUS 156 | Bebop Vocal Jazz Ensemble | |
| MUS 157 | Swing Vocal Jazz Ensemble | |
| MUS 159 | Men's Chorus | |
| MUS 160 | College Choir | |
| MUS 162 | Chamber Singers | |
| MUS 163 | Quire Of Voyces | |
| MUS 164 | Vocal Jazz Ensemble | |
| MUS 165 | Beginning Jazz Improvisation | |
| MUS 166 | Intermediate-Advanced Jazz Improvisation | |
| MUS 167 | Beginning Jazz Ensemble | |
| MUS 168 | Intermediate Jazz Ensemble | |
| MUS 169 | Advanced Jazz Ensemble | |
| MUS 170 | Symphony Orchestra | |
| MUS 171 | Chamber Music of the Baroque Era | |
| MUS 172 | Intermediate Orchestra | |
| MUS 174 | Chamber Music | |
| MUS 175 | Chamber Music of the Modern Era | |
| MUS 176 | Concert Band | |
| MUS 177 | Symphonic Band | |
| MUS 178 | Wind Ensemble | |
| MUS 179 | Commercial Music Performance: Jazz And Pop Emphasis | |
| MUS 181 | Commercial Music Performance: Classical Instrumental And Vocal Emphasis | |
| **Total Units** | | **40.00** |

## Learning Outcomes

1. Demonstrate the ability to describe significant genres of music, using appropriate music staff notation and vocabulary.
2. Aurally identify characteristic elements of music.
3. Demonstrate the ability to analyze and critically evaluate a musical performance.
4. Demonstrate a basic understanding of and skill level in the use of music technology.
5. Demonstrate effective communication skills in music notation and written assignments.

6. Identify significant social, cultural, aesthetic and historical trends in music and assess the implications and consequences of these trends.
7. Demonstrate the ability to perform through participation in Music Department vocal and/or instrumental group.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Music, Department Award (D)

## Overview

This one year curriculum will cover three broad areas: historical, theoretical and skill based music courses (musicianship, technique classes, performance ensembles).These courses are intended to give the student a complete introduction to a course of study in music, culminating in a department award in Music.

## Requirements

Complete all department requirements with a "C" or better in each course.

| Code | Title | Units |
|---|---|---|
| MUS 102A | Basic Musicianship | 3 |
| MUS 102B | Basic Musicianship | 2.5 |
| MUS 104A | Beginning Theory | 3 |
| MUS 104B | Beginning Theory | 3 |
| Select two courses from the following: | | 6-7 |
| MUS 110 | Music Appreciation | |
| MUS 112 | History of Jazz | |
| MUS 114A | Survey of Music History | |
| MUS 114B | Survey of Music History | |
| MUS 115 | History And Appreciation Of Rock And Popular Music | |
| MUS 118 | World Music | |
| Select two units of Beginning or Intermediate Piano selected from the following: [1] | | 2 |
| MUS 140A | Beginning Piano | |
| MUS 140B | Beginning Piano | |
| MUS 142A | Intermediate Piano | |
| MUS 142B | Intermediate Piano | |
| Select two courses of Performance organization from the following: [2] | | 2 |
| MUS 156 | Bebop Vocal Jazz Ensemble | |
| MUS 157 | Swing Vocal Jazz Ensemble | |
| MUS 160 | College Choir | |
| MUS 162 | Chamber Singers | |
| MUS 163 | Quire Of Voyces | |
| MUS 164 | Vocal Jazz Ensemble | |
| MUS 165 | Beginning Jazz Improvisation | |
| MUS 167 | Beginning Jazz Ensemble | |
| MUS 170 | Symphony Orchestra | |

| MUS 171 | Chamber Music of the Baroque Era | |
| MUS 175 | Chamber Music of the Modern Era | |
| MUS 176 | Concert Band | |
| Select two units of Vocal or Instrumental Technique from the following: [3] | | 2 |
| MUS 150 | Beginning String Techniques | |
| MUS 152 | Beginning Wind And Percussion Techniques | |
| MUS 154 | Vocal Techniques I | |
| MUS 155 | Vocal Techniques II | |
| Optional: | | |
| MUS 185 | Applied Music [4] | |
| **Total Units** | | **23.50-24.50** |

[1]  1-unit each semester for a total of two semesters.  May be passed by exam for experienced pianists.

[2]  Minimum of 1-unit each semester for a total of two semesters. Private organizations outside of the college curriculum do not count as a Performance organization for music majors.

[3]  Two semesters of Applied Music [MUS 185 Applied Music] may be used to satisfy this requirement

[4]  Private voice or instrument lessons for those who are enrolled in Musicianship, Theory, and a Performance organization and are chosen by an audition held the first Friday of the semester

The program of study can be completed in one year and covers three broad areas; historical, theoretical and skill-based music courses, i.e., musicianship, technique classes, historical survey and performance ensembles. These courses are intended to give the student a complete introduction to a course of study in Music, culminating in a Department Award in Music. There are neither college requirements nor General Education requirements that need be taken.

# Personal Development

Santa Barbara City College offers courses that provide opportunities for students to increase their potential for success, develop leadership competencies, management skills, and evaluate and plan their educational programs.

Personal Development courses at SBCC, allow students to develop and organize their program of courses, co-curricular activities, and use of support services to achieve desired career training, educational goals, life management skills, and leadership skills.

Educational planning and academic skills development opportunities through Student Success, Educational Planning, and College Search courses should be an essential part of every student's college curriculum, while specialized courses provide unique opportunities for leadership development.

All students, particularly those who are undecided or looking for possible new career directions, are urged to take advantage of Career Planning courses, services, and professional guidance provided by the faculty and staff of the Career Center. Career planning courses and services also provide an opportunity to explore, choose, and enter careers and professions.

# Philosophy

Doing philosophy means reasoning about questions that are of fundamental importance to the human experience, such as: What is a good life? What is reality? How can we know anything? What should we believe? How should our societies be organized? How should humans interact with non-humans and the environment? Philosophers critically analyze ideas and practices that often are assumed without reflection. At SBCC, the Philosophy Department approaches subjects with techniques from a range of traditions of inquiry and offers a wide variety of perspectives on the deep and perplexing questions that are central to the study of philosophy.

The Philosophy Department offers a wide variety of courses: Introduction to Philosophy, Ethics, Critical Thinking, Logic, Comparative World Religions, Philosophy of Religion, Philosophy of Art, Great Ideas of Physics, and History of Philosophy: Ancient, Modern, and Contemporary. The Department also has Honors courses in Introduction to Philosophy and Ethics.

The Department also offers Philosophy Club, Internships, Independent Study, and Debate Team, and selects one student as Outstanding Student who is presented the Philosophy Award at the annual year-end SBCC Awards Banquet.

**Planning a Program of Study**

The required Philosophy courses for majors may be taken in any order, but it is recommended that Introduction to Philosophy be taken as a prelude to the other courses.

**Preparation for Transfer**

Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is *most important* for a student to consult with his/her counselor and departmental adviser before planning an academic program for transfer. Information sheets for majors, outlining transfer requirements, are available in the Counseling Center and Transfer Center.

## Programs of Study

**Associate Degree for Transfer**

**Associate Degree**

# Philosophy, Associate of Arts (AA)

## Overview

The study of philosophy develops and refines a rigorous, analytic understanding of certain of our fundamental concepts, e.g., knowledge, reason, truth and value. Since all other disciplines in academia rely on the use of such concepts, the study of philosophy is essential for an education directed toward completeness.

The study of philosophy also yields other tangible academic benefits. It has been shown that philosophy students scored at least five percentage points above average in admission tests for professional and graduate schools in America. No other subject matches philosophy in this

respect. Philosophy students do better in examinations for business and management school than anyone except mathematicians.

With employment opportunities beyond academia apparently growing, e.g., consultants to hospitals, state legislatures, Congress, genetic engineering firms and artificial intelligence companies, there has also been a proliferation of philosophical journals focused on such topics as the allocation of scarce medical resources, abortion, euthanasia, disposal of nuclear waste, corporate responsibility and fair profit, etc.

The Philosophy Department additionally provides an Introduction to Philosophy course which surveys most of the standard fields of philosophy — logic, epistemology, metaphysics, ethics, aesthetics, the philosophy of religion and political philosophy.

The other courses offered (Ethics, Logic, Comparative World Religions, History of Philosophy: Ancient, Modern and Contemporary, Issues in Philosophy) are more specific and detailed accounts of these standard fields.

These philosophy courses may be transferred to four-year institutions. (Check for specifics with your counselor)

Philosophy majors at Santa Barbara City College are required to take a minimum of eighteen (18) Philosophy units. Those students considering a major in Philosophy should consult with a Philosophy Department faculty member to plan a departmental course of study that will most benefit them.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| PHIL 100 | Introduction to Philosophy | 3-4 |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| PHIL 101 | Introduction to Ethics | 3-4 |
| or PHIL 101H | Introduction To Ethics, Honors | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | 3 |
| PHIL 205 | Introduction to Logic | 3 |

| | | |
| --- | --- | --- |
| Complete two courses from the following: | | 6 |
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| PHIL 203 | History Of Philosophy: Contemporary | |
| **Total Units** | | **18.00-20.00** |

# Learning Outcomes

1. Demonstrate knowledge of the historically significant questions, problems and theories in the major areas of philosophy (epistemology, metaphysics, value theory, logic), including the views and arguments of the major representative philosophers who have addressed these issues.
2. Demonstrate knowledge of the basic rules and principles of logic, including the skill and knowledge of identifying, analyzing and evaluating arguments.
3. Demonstrate knowledge of the questions, problems, issues and theories that characterize the major historical periods of Western philosophy (Ancient, Medieval, Modern and Contemporary), as well as the views of the some major philosophers within these periods.
4. Demonstrate knowledge of the complexity of the human condition, including knowledge of the significance of feelings, emotions and cultural/historical influences on philosophical thinking and methodology.
5. Demonstrate critical thinking skills, virtues and attitudes in the exploration of issues; these include intellectual humility, empathy, fairness, open-mindedness and respect for the intellectual standards of clarity, accuracy, precision, relevance, scope, depth and coherence.
6. Demonstrate proficiency in philosophical writing, which includes presenting a philosophical thesis, supporting that thesis with arguments, and articulating and responding to counter-arguments.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Philosophy, Associate in Arts for Transfer (AA-T)

The study of philosophy develops and refines a rigorous, analytic understanding of certain of our fundamental concepts, e.g., knowledge, reason, truth and value. Since all other disciplines in academia rely on the use of such concepts, the study of philosophy is essential for an education directed toward completeness. The study of philosophy also yields other tangible academic benefits. It has been shown that philosophy students scored at least five percentage points above average in admission tests for professional and graduate schools in America. No other subject matches philosophy in this respect. Philosophy students do better in examinations for business and management school than anyone except mathematicians.

The Associate in Arts for Transfer degree in Philosophy provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses. The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T

degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

# Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Required Core | | |
| PHIL 100 | Introduction to Philosophy | 3-4 |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| or PHIL 101 | Introduction to Ethics | |
| or PHIL 101H | Introduction To Ethics, Honors | |
| PHIL 205 | Introduction to Logic | 3 |
| List A - Select one course from the following: | | 3-5 |
| Any Required Core course not selected above | | |
| COMM 235 | Argumentation and Debate | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| FR 104 | Intermediate French II | |
| GER 104 | Intermediate German II | |
| ITAL 104 | Intermediate Italian II | |
| JAPN 104 | Intermediate Japanese II | |
| PHIL 102 | Comparative World Religions | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| PHIL 203 | History Of Philosophy: Contemporary | |
| PHIL 204 | History And Philosophy Of The Great Ideas Of Physics | |
| PHIL 207A | Comparative Philosophy, East And West | |
| SPAN 104 | Intermediate Spanish II | |
| List B - Select two courses from the following: | | 6-10 |

| Code | Title | Units |
|---|---|---|
| Any List A not selected above | | |
| HIST 103 | History of Western Civilization | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| List C - Select one course from the following: | | 3-5 |
| Any course from List A or B not selected above | | |
| ASL 101 | Beginning American Sign Language I | |
| ASL 102 | Beginning American Sign Language II | |
| ASL 103 | Intermediate American Sign Language I | |
| ASL 104 | Intermediate American Sign Language II | |
| ARBC 101 | Beginning Modern Standard Arabic I | |
| ARBC 102 | Beginning Modern Standard Arabic II | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ASAM 102 | Contemporary Asian-American History | |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| BLST 113 | African-American And Afro-Caribbean Literature In The U.S. | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | |
| CHST 114 | Borderlands Literature: U.S.-Mexico | |
| CHST 115 | Introduction To Mexican Literature | |
| CHIN 101 | Beginning Chinese I | |
| CHIN 102 | Beginning Chinese II | |
| CHIN 103 | Intermediate Chinese | |
| ECE 115 | Children's Literature | |
| ENG 221 | Survey of British Literature: 800-1798 | |
| or ENG 221H | Survey of British Literature 800-1798, Honors | |
| ENG 222 | Survey of British Literature: 1798-Present | |
| or ENG 222H | Survey of British Literature: 1798-Present, Honors | |
| ENG 225 | American Literature: Pre-Colonization to 1865 | |
| ENG 226 | American Literature: 1865-present | |
| or ENG 226H | American Literature, Honors | |
| ENG 231 | World Literature: Ancient Times to 16th Century | |
| ENG 232 | World Literature: 17th Century to Present | |
| ENG 240 | Contemporary Fiction | |
| ENG 241 | Contemporary Women Writers | |
| ENG 251 | Introduction To Poetry | |
| ENG 261 | Literature And Film | |
| ENG 262 | Shakespeare | |
| ENVS/HIST 112 | American Environmental History | |

| | |
|---|---|
| ETHS 101 | The Immigrant Experience in the U.S. |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors |
| ETHS 117 | Cultural Diversity In Film |
| ETHS 121 | Women of Color In The U.S. |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. |
| FS 101 | Introduction to Film Studies |
| or FS 101H | Introduction to Film Studies, Honors |
| FS 105 | Introduction to Television Studies |
| FS 110 | World Cinema to 1960's |
| FS 111 | Contemporary World Cinema |
| FS 112B | Art Cinema |
| FS 114 | History of Animation |
| FS 116 | Gender and Sexuality in Film |
| FS 118 | Film Genres |
| FS 121 | Documentary Film |
| FR 101 | Beginning French I |
| FR 102 | Beginning French II |
| FR 103 | Intermediate French I |
| GER 101 | Beginning German I |
| GER 102 | Beginning German II |
| GER 103 | Intermediate German I |
| HEBR 101 | Beginning Modern Hebrew I |
| HEBR 102 | Beginning Modern Hebrew II |
| HIST 101 | History of the U.S. to 1877 |
| HIST 102 | History of the U.S. Since 1865 |
| or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 107 | World Civilization, Beginnings to 1550 |
| HIST 108 | World Civilization, 1550 to Present |
| HIST 110 | History of American Women |
| or HIST 110H | History Of American Women (Honors) |
| HIST 111 | The American West as Frontier and Region |
| HIST 115 | The Vietnam Wars |
| HIST 120 | Modern Europe |
| HIST 121 | History Of Great Britain |
| HIST 122 | History Of Great Britain |
| HIST 127 | History Of Russia |
| HIST 133 | History of Latin America |
| HIST 134 | History Of Latin America: 1800'S To Modern Period |
| HIST 135 | History of Mexico |
| HIST 137 | History of Religions of The Middle East |
| HIST 138 | History of the Modern Middle East |
| ITAL 101 | Beginning Italian I |
| ITAL 102 | Beginning Italian II |
| ITAL 103 | Intermediate Italian I |
| JAPN 101 | Beginning Japanese I |
| JAPN 102 | Beginning Japanese II |
| JAPN 103 | Intermediate Japanese I |
| KOR 101 | Beginning Korean I |
| KOR 102 | Beginning Korean II |

| | | |
|---|---|---|
| LATN 101 | Beginning Latin I | |
| LATN 102 | Beginning Latin II | |
| NATA 105 | California Tribes: The Chumash | |
| NATA 113 | The Indian In Literature: Fact And Fiction | |
| POLS 132 | Political Thinking | |
| PSY 135 | Psychology of Film | |
| SPAN 101 | Beginning Spanish I | |
| SPAN 102 | Beginning Spanish II | |
| SPAN 103 | Intermediate Spanish I | |
| SPAN 132 | Introduction to Literary Analysis | |
| SPAN 139 | Contemporary Cultures Of Spain | |
| SPAN 146 | Intermediate Spanish for Native Speakers I | |
| SPAN 147 | Intermediate Spanish for Native Speakers II | |
| SPAN 150 | Advanced Spanish | |
| SPAN 160 | Advanced Spanish | |
| **Total Units** | | **18.00-27.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

# Learning Outcomes

1. Demonstrate knowledge of the historically significant questions, problems and theories in the major areas of philosophy (epistemology, metaphysics, value theory, logic), including the views and arguments of the major representative philosophers who have addressed these issues.
2. Demonstrate knowledge of the basic rules and principles of logic, including the skill and knowledge of identifying, analyzing and evaluating arguments.
3. Demonstrate knowledge of the questions, problems, issues and theories that characterize the major historical periods of Western philosophy (Ancient, Medieval, Modern and Contemporary), as well as the views of the some major philosophers within these periods.
4. Demonstrate knowledge of the complexity of the human condition, including knowledge of the significance of feelings, emotions and cultural/historical influences on philosophical thinking and methodology.
5. Demonstrate critical thinking skills, virtues and attitudes in the exploration of issues; these include intellectual humility, empathy, fairness, open-mindedness and respect for the intellectual standards of clarity, accuracy, precision, relevance, scope, depth and coherence.
6. Demonstrate proficiency in philosophical writing, which includes presenting a philosophical thesis, supporting that thesis with arguments, and articulating and responding to counter-arguments.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Photography

The Photography curriculum is carefully designed to build fundamental technical skills in the operation of 35mm DSLR (digital single lens reflex), medium and large-format cameras. In addition, all classes emphasize the importance of creativity and build conceptual-development skills through a progressive series of thought-provoking assignments.

Basic to advanced skills in digital post-production (color management, editing, and printing technologies) are provided through the entire curriculum. The classroom and labs are equipped with state-of-the-art, professional-level computers, scanners, and small- and large-format archival printers capable of printing up to 44" x 96".

Areas of specialization include: Portraiture, Digital Imaging, Travel, Automotive, Architecture, Food, Fashion, Nature

## Career Opportunities

- Portrait Photographer
- Fine Art Photographer
- Wedding/Event Photographer
- Commercial/Product Photographer
- Photojournalism/Documentary Photographer
- Newspaper/Magazine/e-Zine Photographer
- Digital Imaging/Post-production Specialist
- Color Management Specialist
- Photo Restoration Specialist
- Photographic Studio Manager
- Photographic Assistant Advertising/Commercial Assistant

## Programs of Study

**Associate Degree**

- Applied Photography, Associate of Arts (AA) (p. 324)

**Certificate of Achievement**

- Applied Photography, Certificate of Achievement (C) (p. 325)

**Skills Competency Awards**

- Advanced Photo Design, Skills Competency Award (SCA) (p. 324)
- Photo Design, Skills Competency Award (SCA) (p. 326)
- Photo Design II, Skills Competency Award (SCA) (p. 326)
- Photojournalism, Skills Competency Award (SCA) (p. 293)

# Advanced Photo Design, Skills Competency Award (SCA)

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| GDP 212 | Graphic Design II | 3 |
| GDP 230 | Portfolio | 3 |
| PHOT 280 | Advanced Photography and Lighting Strategies | 3 |
| PHOT 285 | Color Management | 3 |
| **Total Units** | | **12.00** |

## Learning Outcomes

1. Demonstrate organizational skills for digital image management (workflow, archiving and color management).
2. Demonstrate studio lighting control for product and people.
3. Demonstrate knowledge of History of Design as it relates to Graphics and Photography.
4. Demonstrate exhibition quality printing, including color correction and image enhancements/manipulations as well as the ability to apply specific corrections to a variety of output choices.

# Applied Photography, Associate of Arts (AA)

## Overview

The Photography curriculum is carefully designed to build fundamental technical skills in the operation of 35mm and medium-format cameras, using traditional and digital camera systems. In addition, all classes emphasize the importance of creativity and originality in image-making through a progressive series of conceptual assignments.  Basics in digital imaging, editing and creative manipulations, digital printing and color management technologies are provided from entry-level classes and throughout the entire curriculum.  The program develops the historic relevance of photography in art and multimedia as well as provides a foundation in creative digital processes that will integrate into the work place. Our digital classroom and darkroom facilities include state-of-the-art service bureau quality equipment and archival printers up to 44" wide to thoroughly prepare students for a variety of job opportunities in the work place.  Nine new industry-specific short courses have been added as electives.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| PHOT 109 | Introduction to Photography | 3 |
| PHOT 180 | Digital Darkroom | 3 |
| PHOT 190 | Photojournalism | 3 |
| or JOUR 190 | Photojournalism | |
| PHOT 209 | Intermediate Photography and Lighting | 3 |
| PHOT 250 | Fine Art Photography | 3 |
| PHOT 260 | Portfolio | 3 |
| PHOT 280 | Advanced Photography and Lighting Strategies | 3 |
| PHOT 285 | Color Management | 3 |
| Complete 6 units from the following: | | 6 |
| PHOT 120 | Creative Applications I | |
| PHOT 125 | Creative Applications II | |
| PHOT 130 | Digital Assets Management | |
| PHOT 135 | Wedding and Event Photography | |
| PHOT 140 | Travel and Street Photography | |
| PHOT 145 | Fine Art Copy Work | |
| PHOT 146 | Children and Pet Photography | |
| PHOT 147 | Sports Photography | |
| PHOT 150 | Stock Photography | |
| PHOT 151 | Stock Photography II | |
| PHOT 214 | Advertising Illustration | |
| PHOT 281 | Digital Darkroom II | |
| **Total Units** | | **30.00** |

## Learning Outcomes

1. Demonstrate fundamentals of 35mm traditional and digital camera operations.
2. Demonstrate skills in scanning, digital printing and archival printing technologies.
3. Demonstrate digital image editing and special manipulation effects.
4. Demonstrate composition and conceptual development.
5. Demonstrate acceptable photographic methods in studio photography.
6. Demonstrate advanced lighting techniques.
7. Demonstrate the ability to create a professional portfolio of work that projects lasting appeal and has high visual impact.
8. Demonstrate color management basics.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Applied Photography, Certificate of Achievement (C)

## Overview

The Photography curriculum is carefully designed to build fundamental technical skills in the operation of 35mm and medium-format cameras, using traditional and digital camera systems. In addition, all classes emphasize the importance of creativity and originality in image-making through a progressive series of conceptual assignments. Basics in digital imaging, editing and creative manipulations, digital printing and color management technologies are provided from entry-level classes and throughout the entire curriculum. The program develops the historic relevance of photography in art and multimedia as well as provides a foundation in creative digital processes that will integrate into the work place. Our digital classroom and darkroom facilities include state-of-the-art service bureau quality equipment and archival printers up to 44" wide to thoroughly prepare students for a variety of job opportunities in the work place. Nine new industry-specific short courses have been added as electives.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| PHOT 109 | Introduction to Photography | 3 |
| PHOT 180 | Digital Darkroom | 3 |
| PHOT/JOUR 190 | Photojournalism | 3 |
| PHOT 209 | Intermediate Photography and Lighting | 3 |
| PHOT 250 | Fine Art Photography | 3 |
| PHOT 260 | Portfolio | 3 |
| PHOT 280 | Advanced Photography and Lighting Strategies | 3 |
| PHOT 285 | Color Management | 3 |
| Complete 6 units from the following: | | 6 |
| PHOT 120 | Creative Applications I | |
| PHOT 125 | Creative Applications II | |
| PHOT 130 | Digital Assets Management | |
| PHOT 135 | Wedding and Event Photography | |
| PHOT 140 | Travel and Street Photography | |
| PHOT 145 | Fine Art Copy Work | |
| PHOT 146 | Children and Pet Photography | |
| PHOT 147 | Sports Photography | |
| PHOT 150 | Stock Photography | |
| PHOT 151 | Stock Photography II | |
| PHOT 214 | Advertising Illustration | |
| PHOT 281 | Digital Darkroom II | |
| **Total Units** | | **30.00** |

## Learning Outcomes

1. Demonstrate fundamentals of 35mm traditional and digital camera operations.
2. Demonstrate skills in scanning, digital printing and archival printing technologies.
3. Demonstrate digital image editing, enhancement special manipulation effects.
4. Demonstrate composition and conceptual development.
5. Demonstrate acceptable photographic methods in studio photography.
6. Demonstrate advanced lighting techniques.
7. Demonstrate the ability to create a professional portfolio of their work that projects lasting appeal and has high visual impact.
8. Demonstrate color management basics.
9. Access and analyze industry related information, using it to assess and adapt to dynamic creative environments, to make complex decisions, to solve problems, and evaluate outcomes.
10. Demonstrate professional behavior in the studio/classroom as well as in workplace.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Photo Design II, Skills Competency Award (SCA)

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| GDP 215 | Publication Design | 3 |
| PHOT 209 | Intermediate Photography and Lighting | 3 |
| PHOT 214 | Advertising Illustration | 3 |
| PHOT 250 | Fine Art Photography | 3 |
| PHOT 281 | Digital Darkroom II | 3 |
| **Total Units** | | **15.00** |

## Learning Outcomes

1. Demonstrate organizational skills for digital image management (workflow, archiving and color management).
2. Identify the principles of Media Design, Marketing and Multimedia.
3. Demonstrate Digital Darkroom proficiency (printing, image editing, image enhancing and output control).

# Photo Design, Skills Competency Award (SCA)

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| GDP 110 | Media Design | 3 |
| PHOT 109 | Introduction to Photography | 3 |
| PHOT 150 | Stock Photography | 1 |
| PHOT 180 | Digital Darkroom | 3 |
| PHOT 209 | Intermediate Photography and Lighting | 3 |
| PHOT 260 | Portfolio | 3 |
| **Total Units** | | **16.00** |

| **Other Recommended Courses** | | |
|---|---|---|
| Code | Title | Units |
| GDP 113 | Typography | 3 |
| GDP 118 | Creative Thinking | 3 |
| MAT 103 | Introduction to Multimedia | 3 |
| MKT 101 | Introduction to Marketing | 3 |
| MKT 209 | International Marketing | 3 |
| PHOT/JOUR 190 | Photojournalism | 3 |
| PHOT 214 | Advertising Illustration | 3 |
| PHOT 250 | Fine Art Photography | 3 |

## Learning Outcomes

1. Demonstrate digital camera skills to include manual operation; independent use of aperture and shutter speeds for creative intent as well as video capture.
2. Demonstrate digital image management skills (workflow, archiving and color management).
3. Demonstrate an ability to control exposures in available light as well as UNDER basic studio lighting conditions.
4. Identify the basic principles of Media Design.
5. Demonstrate Digital Darkroom proficiency (printing, image editing, image enhancing and output control).
6. Identify the basic principles of Marketing as they apply to Photography, Graphic Design and Multimedia.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

| Course | Title | Units |
|---|---|---|
| **First Year** | | |
| **Fall Semester** | | |
| GDP 110 | Media Design | 3 |
| PHOT 109 | Introduction to Photography | 3 |
| | **Units** | **6** |
| **Spring Semester** | | |
| PHOT 150 | Stock Photography | 1 |
| PHOT 180 | Digital Darkroom | 3 |
| PHOT 209 | Intermediate Photography and Lighting | 3 |
| PHOT 260 | Portfolio | 3 |
| | **Units** | **10** |
| | **Total Units** | **16** |

# Physical Education/Health Education/Dance/Athletics

Physical Education, Health Education, Dance, and Athletics provide equitable opportunities for students to gain knowledge and practices relevant to physical fitness, sports skills, healthful living, stress management, self-expression, team dynamics, leadership, and self-discipline. Through academic study and experiential learning, students develop the vital skills necessary to improve their physical literacy. Students practice effective goal setting techniques, time management, and personal responsibility strategies, and sound decision-making skills leading to academic and personal success.  The Physical Education, Health Education, Dance, and Athletics programs deliver high quality, research-based instruction in a fun, collaborative, and respectful environment that empowers and educates students to progress towards their fullest health, wellness, and athletic potential in safe and inclusive classrooms.

The profession is based on the philosophy that physical education is an academic discipline, an essential portion of the General Education process. Further, the physical education curriculum is centered on the concept that movement skills, intellectual development, physical fitness, and healthful living practices are elements of life that must be taught and reinforced. Specific knowledge, skills, and practice techniques that best benefit the student do not just happen. Instruction, analysis, and evaluation by a credentialed professional is essential for implementing this philosophy.

## Programs of Study

### Associate Degree for Transfer

- Kinesiology, Associate in Arts for Transfer (AA-T) (p. 328)

### Associate Degrees

- Dance, Associate of Arts (AA) (p. 327)
- Physical Education, Associate of Arts (AA) (p. 330)
- Physical Education, Associate of Arts (AA): Athletic/Personal Fitness Training Emphasis (p. 332)

# Dance, Associate of Arts (AA)
## Overview

Dance is a vigorous and specialized area in the performing arts, and is unique in its ability to convey emotional and cultural values. Dance is physically demanding and requires a thorough understanding of aesthetic values.

This program is primarily designed for the student who intends to transfer to University of California at Santa Barbara, or to other universities that offer baccalaureate preparation in Dance. Additionally, the program provides an excellent foundation in dance for students interested in other performing arts fields or entry level into the workforce, such as study owner/employee.

The Dance program prepares the serious dance student for university transfer  and provides dance training and enrichment for both the beginning and the advance dancer.  The program offers a comprehensive curriculum with a broad range of dance courses to nurture versatile dance artists.  The Dance Department under Physical Education encourages students to think independently, to value creative thought and diversity, and to be responsible global citizens.  The goal of the Dance program is to prepare students for future careers in performance, choreography, teaching, and related careers in dance.  The program offers a wide array of dance classes designed to cultivate technique, creativity, and performance skills while enhancing self-confidence, creative thought/expression, and critical thinking.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BMS 107 | Human Anatomy | 4 |
| HE 104 | Introduction to Athletic Injuries | 3 |
| or PE 200 | Introduction to Kinesiology | |
| PE 150B | Intermediate Ballet | 1.5 |
| PE 150C | Advanced Ballet | 1.5 |
| PE 151B | Intermediate Jazz Dance | 1.5 |

| Code | Title | Units |
|------|-------|-------|
| PE 151C | Advanced Jazz Dance | 1.5 |
| PE 152B | Intermediate Modern Dance Technique | 1.5 |
| PE 152C | Advanced Modern Dance Technique | 1.5 |
| PE 153 | Dance Concert | 2.5 |
| PE 154A | Dance Ensemble | 3 |
| PE 154B | Dance Ensemble Advance | 3 |
| PE 250 | Survey and Appreciation of Dance History | 3 |
| TA 111 | Beginning Acting | 3 |
| or TA 123 | Stage Lighting | |
| or TA 131 | Costume Technology | |
| or MUS 110 | Music Appreciation | |
| **Total Units** | | **30.50** |

## Learning Outcomes

1. Analyze literacy in dance history and appreciation
2. Assess literacy in dance technique and alignment
3. Evaluate literacy in dance theory, analysis, creativity and performance skills

# Kinesiology, Associate in Arts for Transfer (AA-T)

The goal of the Kinesiology Program at Santa Barbara City College is to prepare students to develop the fundamental understanding of the influence of human movement on the acquisition of physical skills, personal health and intellectual development. The study of Kinesiology is an academic discipline and an essential component of the general education process. Kinesiology contributes to the broader understanding of human development and the role that movement plays in cultural, social and personal expression. Students are advised to meet with an academic counselor to discuss the best combination of courses to take for their AA-T and to meet the requirements of the transfer institution to which they are intending to transfer. For example, requirements for the Baccalaureate Degree in Kinesiology vary from one institution to another. It is, therefore, essential to become familiar with the requirements of the institution a student plans to attend.

The Associate in Arts for Transfer degree in Kinesiology provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Required Core | | |
| BMS 107 | Human Anatomy | 4 |
| BMS 108 | Human Physiology | 4 |
| PE 200 | Introduction to Kinesiology | 3 |
| Movement-Based Courses - Complete a maximum of one course from any three of the six areas listed below (Aquatics, Combatives, Team Sports, Individual Sports, Fitness, Dance) [1] | | 3-7.5 |
| List A - Complete two courses from the following: [1] | | 7-10 |
| BIOL 100 | Concepts Of Biology | |
| or BIOL 140 & BIOL 141 | Principles of Biology and Biology Laboratory | |
| CHEM 101 | Introductory Chemistry | |
| or CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | |
| or CHEM 155 | General Chemistry I | |
| HE 103 | Responding to Medical Emergencies | |
| MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| PHYS 101 & 101L | Conceptual Physics and Conceptual Physics Laboratory | |
| or PHYS 102 | Introductory Physics For Science Majors | |
| or PHYS 105 | General Physics | |
| or PHYS 110 | Introductory Physics | |
| **Total Units** | | **21.00-28.50** |

[1]  Three Movement-Based Courses PLUS two courses from List A are required.

**Movement-Based Courses**
**Aquatics Area**

| Code | Title | Units |
|------|-------|-------|
| PE 132A | Novice Swimming | 1.5 |
| PE 132B | Beginning Swimming | 1.5 |
| PE 132C | Intermediate Swimming | 1.5 |
| PE 133 | Ocean Kayaking | 1.5 |
| PE 134A | Swimming For Conditioning: Beginning | 1.5 |
| PE 137 | Beginning Surfing | 1.5 |
| PE 219A | Beginning Water Polo | 1.5 |
| PE 219B | Intermediate / Advanced Water Polo | 1.5 |
| PE 220A | Ocean Swimming: Beginning | 1.5 |

## Combatives

| Code | Title | Units |
|------|-------|-------|
| PE 162A | Beginning Karate | 1.5 |
| PE 162B | Intermediate Karate | 1.5 |
| PE 163 | Beginning Self-Defense | 1.5 |
| PE 164 | Self-Defense for Women | 1 |

## Team Sports

| Code | Title | Units |
|------|-------|-------|
| PE 120C | Advanced Baseball | 1.5 |
| PE 121A | Beginning Basketball | 1.5 |
| PE 121B | Intermediate Basketball | 1.5 |
| PE 121C | Advanced Basketball | 1.5 |
| PE 122A | Beginning Flag Football | 1.5 |
| PE 122B | Intermediate Flag Football | 1.5 |
| PE 122C | Advanced Flag Football | 1.5 |
| PE 124A | Beginning Soccer | 1.5 |
| PE 124B | Intermediate Soccer | 1.5 |
| PE 124C | Advanced Soccer | 1.5 |
| PE 125A | Beginning Softball | 1.5 |
| PE 125B | Intermediate Softball | 1.5 |
| PE 125C | Advanced Softball | 1.5 |
| PE 126A | Beginning Beach Volleyball | 1.5 |
| PE 126B | Intermediate Beach Volleyball | 1.5 |
| PE 126C | Advanced Beach Volleyball | 1.5 |
| PE 127A | Beginning Volleyball | 1.5 |
| PE 127B | Intermediate Volleyball | 1.5 |
| PE 127C | Advanced Volleyball | 1.5 |
| PE 128 | Advanced Football Techniques | 1.5 |
| PE 180A | Intercollegiate Baseball - Men | 3 |
| PE 180C | Intercollegiate Baseball - Men | 1 |
| PE 181B | Intercollegiate Basketball - Women | 2 |
| PE 181C | Intercollegiate Basketball - Women | 1 |
| PE 182B | Intercollegiate Basketball - Men | 2 |
| PE 182C | Intercollegiate Basketball - Men | 1 |
| PE 184A | Intercollegiate Football - Men | 3 |
| PE 184B | Intercollegiate Football - Men | 2 |
| PE 184C | Intercollegiate Football - Men | 1 |
| PE 190A | Intercollegiate Volleyball - Women | 3 |
| PE 190B | Intercollegiate Volleyball - Women | 2 |
| PE 190C | Intercollegiate Volleyball - Women | 1 |
| PE 191A | Intercollegiate Volleyball - Men | 3 |
| PE 191B | Intercollegiate Volleyball - Men | 2 |
| PE 191C | Intercollegiate Volleyball - Men | 1 |
| PE 192A | Intercollegiate Soccer - Women | 3 |
| PE 192B | Intercollegiate Soccer - Women | 2 |
| PE 192C | Intercollegiate Soccer - Women | 1 |
| PE 193A | Intercollegiate Soccer - Men | 3 |
| PE 193B | Intercollegiate Soccer - Men | 2 |
| PE 193C | Intercollegiate Soccer - Men | 1 |
| PE 194A | Intercollegiate Softball - Women | 3 |
| PE 194B | Intercollegiate Softball - Women | 2 |
| PE 194C | Intercollegiate Softball - Women | 1 |

| | | |
|------|-------|-------|
| PE 199A | Intercollegiate Cheer/Dance | 3 |
| PE 199C | Intercollegiate Cheer/Dance Team | 1 |
| PE 221 | Advanced Soccer Techniques - Women | 1.5 |
| PE 222 | Advanced Soccer Techniques - Men | 1.5 |

## Individual Sports

| Code | Title | Units |
|------|-------|-------|
| PE 101A | Beginning Badminton | 1.5 |
| PE 101B | Intermediate Badminton | 1.5 |
| PE 103A | Beginning Golf | 1.5 |
| PE 103B | Intermediate Golf | 1.5 |
| PE 103C | Advanced Golf | 1.5 |
| PE 109A | Beginning Tennis | 1.5 |
| PE 109B | Intermediate Tennis | 1.5 |
| PE 109C | Advanced Tennis | 1.5 |
| PE 123C | Advanced Track And Field | 1.5 |
| PE 183A | Intercollegiate Cross Country for Women and Men | 3 |
| PE 183B | Intercollegiate Cross Country for Women and Men | 2 |
| PE 183C | Intercollegiate Cross Country for Women and Men | 1 |
| PE 185A | Intercollegiate Golf | 3 |
| PE 186A | Intercollegiate Tennis - Women | 3 |
| PE 186C | Intercollegiate Tennis - Women | 1 |
| PE 188A | Intercollegiate Track And Field - Women | 3 |
| PE 188B | Intercollegiate Track And Field - Women | 2 |
| PE 188C | Intercollegiate Track And Field - Women | 1 |
| PE 189A | Intercollegiate Track And Field - Men | 3 |
| PE 189B | Intercollegiate Track And Field - Men | 2 |
| PE 189C | Intercollegiate Track And Field - Men | 1 |
| PE 224 | Triathlon | 1.5 |
| PE 229 | Adapted Physical Education | 1.5 |

## Fitness

| Code | Title | Units |
|------|-------|-------|
| PE 106A | Beginning Spinning For Fitness | 1.5 |
| PE 112A | Body Conditioning Boot Camp: Beginning | 1.5 |
| PE 138A | Beginning Cardio Boxing | 1.5 |
| PE 138B | Intermediate Cardio Boxing | 1.5 |
| PE 138C | Advanced Cardio Boxing | 1.5 |
| PE 139 | Pilates Mat Fitness | 1.5 |
| PE 143A | Integrated Training: Beginning | 1.5 |
| PE 143B | Integrated Training: Intermediate | 1.5 |
| PE 144A | Weight Training: Beginning | 1.5 |
| PE 144B | Weight Training: Intermediate | 1.5 |
| PE 144C | Weight Training: Advanced | 1.5 |
| PE 148A | Beginning Walking/Jogging for Fitness | 1.5 |

| PE 148B | Intermediate Walking/Jogging for Fitness | 1.5 |
| PE 149 | Life Fitness | 1 |
| PE 166 | Life Fitness - Strength Training | 1 |
| PE 168 | Women's Fitness And Weight Training | 1.5 |
| PE 169 | Life Fitness - Weight Training for Power | 1 |
| PE 176A | Beginning Fitness Yoga | 1.5 |
| PE 176B | Intermediate Fitness Yoga | 1.5 |
| PE 177 | Life Fitness - Weight Management | 1 |
| PE 226 | Running for Conditioning | 1.5 |
| PE 227 | Hiking for Fitness | 1.5 |
| **Total Units** | | **31.00** |

### Dance

| Code | Title | Units |
| --- | --- | --- |
| PE 150A | Beginning Ballet | 1.5 |
| PE 150B | Intermediate Ballet | 1.5 |
| PE 151A | Beginning Jazz Dance | 1.5 |
| PE 151B | Intermediate Jazz Dance | 1.5 |
| PE 152A | Beginning Modern Dance Technique | 1.5 |
| PE 152B | Intermediate Modern Dance Technique | 1.5 |
| PE 153 | Dance Concert | 2.5 |
| PE 156 | Beginning Social Ballroom Dance | 1.5 |
| PE 260 | Dance Improvisation | 1.5 |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate knowledge of functional anatomy, physiology, and biomechanics consistent with proper execution of movement skills.
2. Demonstrate proficiency in a variety of physical activity skills.
3. Articulate the differences between Kinesiology and Athletics.
4. Articulate the potential for service to the individual, community, and society provided through the study and application of Kinesiology.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Physical Education, Associate of Arts (AA)

### Overview

Physical education is a study of the processes through which individuals obtain optimal health, physical skill, and fitness.  The physical educator, whether in a laboratory, school, medical or business setting, is ultimately concerned with improving the individuals health and well-being.  Santa

Barbara City College offers three areas of emphasis within the field of Physical Education: Exercise Science, Athletic Training, and Dance.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| BIOL 100 | Concepts Of Biology | 4 |
| BMS 107 | Human Anatomy | 4 |
| BMS 108 | Human Physiology | 4 |
| CHEM 101 | Introductory Chemistry | 4 |
| or CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | |
| HE 101 | Personal Health Awareness | 3 |
| HE 103 | Responding to Medical Emergencies | 3 |
| HE 104 | Introduction to Athletic Injuries | 3 |
| HE 213 | Concepts in Health and Physical Fitness | 3 |
| PE 200 | Introduction to Kinesiology | 3 |
| **Controlled Physical Education Activities** | | |
| Aquatics: | | |
| Complete one course from the following: | | 1.5 |
| PE 132A | Novice Swimming | |
| PE 132B | Beginning Swimming | |
| PE 132C | Intermediate Swimming | |
| PE 133 | Ocean Kayaking | |
| PE 134A | Swimming For Conditioning: Beginning | |
| PE 137 | Beginning Surfing | |
| PE 220A | Ocean Swimming: Beginning | |
| Fitness/Cardiovascular: | | |
| Complete one course from the following: | | 0.5-2.0 |
| PE 106A | Beginning Spinning For Fitness | |
| PE 106B | Intermediate Spinning For Fitness | |

| PE 112A | Body Conditioning Boot Camp: Beginning | |
| PE 138A | Beginning Cardio Boxing | |
| PE 138B | Intermediate Cardio Boxing | |
| PE 138C | Advanced Cardio Boxing | |
| PE 139 | Pilates Mat Fitness | |
| PE 143A | Integrated Training: Beginning | |
| PE 144A | Weight Training: Beginning | |
| PE 144B | Weight Training: Intermediate | |
| PE 144C | Weight Training: Advanced | |
| PE 146 | Stretching and Relaxation | |
| PE 147A | Conditioning for Intercollegiate Athletes | |
| PE 147B | Conditioning for Intercollegiate Athletes | |
| PE 147C | Conditioning for Intercollegiate Athletes | |
| PE 147D | Conditioning for Intercollegiate Athletes | |
| PE 148A | Beginning Walking/Jogging for Fitness | |
| PE 148B | Intermediate Walking/Jogging for Fitness | |
| PE 149 | Life Fitness | |
| PE 166 | Life Fitness - Strength Training | |
| PE 168 | Women's Fitness And Weight Training | |
| PE 169 | Life Fitness - Weight Training for Power | |
| PE 176A | Beginning Fitness Yoga | |
| PE 176B | Intermediate Fitness Yoga | |
| PE 177 | Life Fitness - Weight Management | |
| PE 179 | Life Fitness - Super Circuit Training | |
| PE 195 | Life Fitness - Functional Fitness Training | |
| PE 196 | Myofascial Release Techniques in Exercise | |
| PE 224 | Triathlon | |

| Dance: | | |
| Complete one course from the following: | | 1.5 |
| PE 150A | Beginning Ballet | |
| PE 150B | Intermediate Ballet | |
| PE 150C | Advanced Ballet | |
| PE 151A | Beginning Jazz Dance | |
| PE 151B | Intermediate Jazz Dance | |
| PE 152A | Beginning Modern Dance Technique | |
| PE 152B | Intermediate Modern Dance Technique | |
| PE 152C | Advanced Modern Dance Technique | |
| PE 153 | Dance Concert | |
| PE 156 | Beginning Social Ballroom Dance | |

| Combatives: | | |
| Complete one course from the following: | | 1.0-1.5 |
| PE 162A | Beginning Karate | |
| PE 163 | Beginning Self-Defense | |

| PE 164 | Self-Defense for Women | |
| Team Sports: | | |
| Complete three courses from the following: | | 4.5 |
| PE 120A | Beginning Baseball | |
| PE 120B | Intermediate Baseball | |
| PE 120C | Advanced Baseball | |
| PE 121A | Beginning Basketball | |
| PE 121B | Intermediate Basketball | |
| PE 121C | Advanced Basketball | |
| PE 122A | Beginning Flag Football | |
| PE 122B | Intermediate Flag Football | |
| PE 122C | Advanced Flag Football | |
| PE 124A | Beginning Soccer | |
| PE 124B | Intermediate Soccer | |
| PE 124C | Advanced Soccer | |
| PE 125A | Beginning Softball | |
| PE 125B | Intermediate Softball | |
| PE 125C | Advanced Softball | |
| PE 126A | Beginning Beach Volleyball | |
| PE 126B | Intermediate Beach Volleyball | |
| PE 126C | Advanced Beach Volleyball | |
| PE 127A | Beginning Volleyball | |
| PE 127B | Intermediate Volleyball | |
| PE 127C | Advanced Volleyball | |
| PE 219A | Beginning Water Polo | |
| PE 219B | Intermediate / Advanced Water Polo | |

| Individual Sports: | | |
| Complete two courses from the following: | | 3 |
| PE 101A | Beginning Badminton | |
| PE 101B | Intermediate Badminton | |
| PE 103A | Beginning Golf | |
| PE 103B | Intermediate Golf | |
| PE 109A | Beginning Tennis | |
| PE 109B | Intermediate Tennis | |
| PE 109C | Advanced Tennis | |
| PE 226 | Running for Conditioning | |
| **Total Units** | | **43.00-45.00** |

# Learning Outcomes

The general degree in Physical Education is intended for individuals who wish to obtain entry-level positions in health clubs, the YMCA, youth sports organizations or camps. This degree will also help prepare students to transfer into a kinesiology program at a four-year university.

1. Articulate the differences between Physical Education and Athletics.
2. Recognize the potential for service to the individual, community and society provided by Physical Education and Athletics.
3. Describe the role of PE/Kinesiology as an academic discipline and its role in health promotion and disease prevention.
4. Demonstrate knowledge of functional human anatomy, physiology and biomechanics, and demonstrate proficiency in a variety of physical activity skills.
5. Develop appropriate physical training programs for adults based on demonstrated knowledge of coronary risk factor analysis, exercise

prescription and nutritional guidelines established by industry standards

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Physical Education, Associate of Arts (AA): Athletic/Personal Fitness Training Emphasis

## Overview

The degree emphasis in Athletic/Personal Fitness Training prepares students to transfer to a four-year university and major in kinesiology, with an emphasis in Athletic Training or Sports Medicine. The practicum hours completed may count toward certification as an athletic trainer.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| BMS 107 | Human Anatomy | 4 |
| BMS 108 | Human Physiology | 4 |
| BMS 128 | Human Nutrition | 3 |
| HE 103 | Responding to Medical Emergencies | 3 |
| HE 104 | Introduction to Athletic Injuries | 3 |
| HE 108 | Advanced Assessment And Treatment Of Athletic Injuries | 3 |
| HE 213 | Concepts in Health and Physical Fitness | 3 |
| HE 220 | Fundamentals Of Exercise Testing And Fitness Instruction | 3 |
| PE 200 | Introduction to Kinesiology | 3 |
| PE 290 | Work Experience in Physical Education/Health Education | 1-4 |
| or PE 295 | Internship in Physical Education/Health Education | |
| Complete 6-8 units of Controlled Electives from the following: | | 6-8 |
| CHEM 101 | Introductory Chemistry | |
| or CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | |
| PHYS 101 | Conceptual Physics | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| Complete 3 courses of Controlled Physical Education Activities from the following: [1] | | |
| PE 143A | Integrated Training: Beginning | 1.5 |
| Aerobic Conditioning - Complete one from the following: | | 1.5 |
| PE 106A | Beginning Spinning For Fitness | |
| PE 112A | Body Conditioning Boot Camp: Beginning | |
| PE 134A | Swimming For Conditioning: Beginning | |
| PE 138A | Beginning Cardio Boxing | |
| PE 148A | Beginning Walking/Jogging for Fitness | |
| PE 148B | Intermediate Walking/Jogging for Fitness | |
| PE 220A | Ocean Swimming: Beginning | |
| PE 226 | Running for Conditioning | |
| Flexibility - Complete one from the following: | | 1.5 |
| PE 139 | Pilates Mat Fitness | |
| PE 146 | Stretching and Relaxation | |
| PE 176A | Beginning Fitness Yoga | |
| PE 176B | Intermediate Fitness Yoga | |
| **Total Units** | | **40.50-45.50** |

[1] PE 143 is required along with one course from the aerobic conditioning group and one from the flexibility group.

## Learning Outcomes

1. Articulate the differences between Physical Education and Athletics.
2. Recognize the potential for service to the individual, community and society provided by Physical Education and Athletics.
3. Demonstrate knowledge of functional anatomy, physiology and biomechanics, and properly demonstrate proficiency in a variety of physical activity skills.
4. Explain the appropriate course of treatment for each of the most common sports injuries.
5. Identify the factors that contribute to an evaluation of an injury and determine the treatment plan for safe return to sport participation.
6. Demonstrate and implement rehabilitative exercises appropriate to each sport.
7. Assess motivational readiness for client exercise and develop effective strategies for health behavior change consistent with the stages of the Transtheoretical Model of motivational readiness.

8. Develop appropriate physical training programs for children, adults and special needs populations,based on demonstrated knowledge of coronary risk factor analysis and exercise prescription standards defined by NASM / ACSM.

9. Administer appropriate practical physical fitness and muscular balance assessments.

10. Demonstrate academic competencies sufficient to pass professional certification exams consistent with entry-level positions in the health and fitness industry.

11. Demonstrate effective communication skills to lead individual and group fitness training sessions.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Physics

Physics is the foundation discipline that must be incorporated into the education of anyone preparing for a career in engineering or science. It is equally true for the non-scientist having the responsibility to make meaningful decisions in society—the citizen in politics, the business person, or social scientist who deals with problems of a society strongly linked to technology based on the application of physical principles. A truly educated person preparing for life in the 21st century can hardly afford not to be aware of the statements of contemporary physics.

There is a three-semester, calculus-based sequence for the student in Engineering, Physics, and other physical sciences.

For the Biological Sciences student, both a two-semester trigonometry-level Physics sequence and a two-semester calculus-level Physics sequence are offered.

Introductory Physics For Science Majors satisfies the needs of those requiring an introduction to physics prior to entering the Engineering/Physics sequence.

For those fulfilling a General Education science requirement, a one-semester general survey Physics course is offered.

To satisfy the needs of the Liberal Studies major, the Physics Department offers a non-mathematical one- semester Physical Science course which covers the physical basis of a number of disciplines— Physics, Chemistry, Astronomy, Geology and Meteorology.

## Programs of Study

**Associate Degree for Transfer**

• Physics, Associate in Science for Transfer (AS-T) (p. 334)

**Associate Degree**

• Physics, Associate of Arts or Science (AA/AS) (p. 333)

# Physics, Associate of Arts or Science (AA/AS)

## Overview

Physics is the foundation discipline which must be incorporated into the education of anyone preparing for a career in engineering, or science. It is equally true for the non-scientist having the responsibility to make meaningful decisions in society — the citizen in politics, the business person or social scientist who deals with problems of a society strongly linked to technology based on application of physical principles. A truly educated person preparing for life in the 21st century can hardly afford not to be aware of the statements of contemporary physics.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).

2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CHEM 155 | General Chemistry I | 5 |
| CHEM 156 | General Chemistry II | 5 |
| CS 105 | Theory and Practice I | 3-4 |
| or CS 107 | Computer Architecture and Organization | |
| or CS 137 | C Programming | |
| or CS 140 | Object-Oriented Programming Using C++ | |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 200 | Multivariable Calculus [1] | 4 |
| MATH 210 | Linear Algebra [1] | 4 |
| MATH 220 | Differential Equations [1] | 4 |
| PHYS 121 | Mechanics Of Solids And Fluids | 5 |
| PHYS 122 | Electricity and Magnetism | 5 |
| PHYS 123 | Heat, Light and Modern Physics | 5 |
| **Total Units** | | **50.00-51.00** |

[1]  MATH 250 and MATH 260 will also satisfy MATH 200 Multivariable Calculus and MATH 210 Linear Algebra and MATH 220 Differential Equations requirements.

## Learning Outcomes

1. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving static and dynamic mechanical problems involving both solids and fluids.
2. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving mechanical wave problems.
3. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving thermodynamic problems.
4. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving electric, magnetic and electromagnetic problems.
5. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving ray and wave optics problems.
6. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving modern physics problems.
7. Demonstrate proficiency in construction and assembly of experimental apparatuses; conduct and analyze measurements of physical phenomena; assess experimental uncertainty; make meaningful comparisons between experiment and theory; and interpret results.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Physics, Associate in Science for Transfer (AS-T)

The Physics department strives to provide our students with the educational background necessary to pursue a successful career and to successfully transition into a 4-year academic program. Physics is the foundation discipline which must be incorporated into the education of anyone preparing for a career in engineering, or science. It is equally true for the nonscientist having the responsibility to make meaningful decisions in society—the citizen in politics, the business person or social scientist who deals with problems of a society strongly linked to technology based on application of physical principles. A truly educated person preparing for life in the 21st century can hardly afford not to be aware of the statements of contemporary physics.

The Associate in Science for Transfer degree in Physics provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or

majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| MATH 160 | Calculus with Analytic Geometry II | 5 |
| MATH 200 | Multivariable Calculus | 4 |
| PHYS 121 | Mechanics Of Solids And Fluids | 5 |
| PHYS 122 | Electricity and Magnetism | 5 |
| PHYS 123 | Heat, Light and Modern Physics | 5 |
| **Total Units** | | **29.00** |

## Learning Outcomes

1. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving mechanical static and dynamic mechanical problems involving both solids and fluids.
2. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving mechanical wave problems.
3. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving thermodynamic problems.
4. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving electric, magnetic and electromagnetic problems.
5. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving ray and wave optics problems.
6. Demonstrate proficiency, both conceptually and mathematically with calculus, in solving modern physics problems.
7. Demonstrate proficiency in construction and assembly of experimental apparatuses; conduct and analyze measurements of physical phenomena; assess experimental uncertainty; make meaningful comparisons between experiment and theory; and interpret results.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Political Science, Economics and Global Studies

The Political Science and Economics Department is home to four different majors:  Political Science, Economics, Global and International Studies, and Middle Eastern Studies. Political Scientists aim to develop an understanding of the institutions, practices, and societal relations that constitute public life. Economists study society and the distribution of resources, including how people make decisions, how they interact, and how the economy as a whole works. Global and International Studies scholars seek to understand the multidimensional process of globalization and today's many global issues. The field of Middle East Studies focuses on the history, politics, cultures, religions and languages of one of the most complex and critical regions of the world. Please see the individual program descriptions below for more details about each area of major/ program.

## Political Science: Program Description
The study of politics is the study of how people are governed and how they govern themselves. Political Scientists examine the distribution of political power and the allocation of scarce resources. To this end, they aim to develop an understanding of the institutions, practices, and societal relations that constitute public life. As a discipline, in the West, Political Science originated with the Greeks. Today Political Scientists' study of governments includes an in-depth study of the American political experience, but also extends to other countries, both democracies and non-democracies, and the effort to understand differences and similarities between them. Furthermore, Political Scientists seek to understand the dynamics of cooperation and conflict in the international arena, by studying the interactions of states, international organizations, and non-governmental actors.

The Political Science major helps prepare students for a variety of careers.  For example, Political Science serves well as a pre-law major and for related professions, such as careers in government at the federal, state or local levels.  Political Science is also a great preparation for a number of careers at the international level, such as international diplomacy or international business, as well as other professions in non-governmental sectors both nationally and internationally.

## Political Science: AA and AA-T Degree Requirements
We offer a Political Science Associate Degree (AA), and Political Science Associate Degree for Transfer (AA-T).  Major requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is most important for a student to consult with his/her counselor and departmental adviser before planning an academic program for transfer. Information on majors and transfer requirements is available in the Counseling Center and Transfer Center.

## Political Science: Planning a Program of Study
Students should begin their study of Political Science with POLS 101 (https://catalog.sbcc.edu/search/?P=POLS%20101) American Government And Politics because many of the basic concepts of the discipline are introduced here within the familiar context of American Politics.  Thereafter, the selection of courses will, in part, depend upon the four-year school to which the student plans to transfer and the particular emphasis of the student's major. Commonly required courses include POLS 121 (https://catalog.sbcc.edu/search/?P=POLS%20121) International Politics, POLS 131 (https://catalog.sbcc.edu/search/?P=POLS%20131) Comparative Politics, POLS 132 (https://catalog.sbcc.edu/search/?P=POLS%20132) Political Thinking.  The Department offers a course in POLS 104 (https://catalog.sbcc.edu/search/?P=POLS%20104) American Government: Policy Issues/Process. Our Honors courses include POLS 121H (https://catalog.sbcc.edu/search/?P=POLS%20121H) International Politics, and POLS 134H (https://catalog.sbcc.edu/search/?P=POLS%20134H) Political Violence, Honors.

The Political Science Department also encourages students to seek out an internship, or participate in an Internship Programs, as related to POLS 295 (https://catalog.sbcc.edu/search/?P=POLS%20295) and to POLS 108, which includes a field trip  to Sacramento. More information about internship courses can be found below, in the section "Political Science (All Programs) and Economics: Internships."

## Political Science: Preparation for Transfer
Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is most important for a student to consult with a counselor and departmental adviser before planning an academic program for transfer. Information on majors and transfer requirements is available in the Counseling Center and Transfer Center.

## Political Science: Awards and Honors
Each year, the faculty selects one student as the "Outstanding Student of the Year in Political Science" on the basis of academic performance and contribution to our program. Students also have the opportunity to apply for a number of Political Science scholarships, such as the Holmes Scholarship, the Jason Davidson scholarship, the John Kay scholarship, and the Manoutchehr Eskandari-Qajar scholarship.

## Economics: Program Description
The Economics Program offers courses as part of an Associate of Arts Degree in Economics as well as other majors. Economics is also a worthwhile way to satisfy General Education requirements. Courses offer transfer students excellent preparation for further study in economics and fields such as environmental studies, global studies, and business.

Students from all disciplines benefit from taking economics courses as it helps make sense of the world in which they live. As a social science, the subject matter studied is society. This includes the study of how people make decisions, how they interact, and how the economy as a whole works. Economics addresses much more than just money, taxes, and unemployment. With an economic lens, one can analyze things such as policies that affect crime rates, the role of incentives on the decision of whether or not to drive an electric car, and how rent control can affect divorce rates. In fact, economics helps one understand nearly every aspect of human life.

Economics provides a systematic way of analyzing a wide range of societal issues. The arsenal of analytical tools students acquire by studying economics provide a foundation for lifelong problem-solving skills that are valued by employers, society, and, very likely, eventually by the student themselves.

## Economics: AA and AA-T Degree Requirements
The department offers an Economics Associate Degree (AA), and an Economics Associate Degree for Transfer (AA-T).  Major requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is most important for a student to consult with his/her counselor and departmental advisor before planning an academic program for transfer. Information on majors and transfer requirements is available in the Counseling Center and Transfer Center.

### Economics: Planning a Program of Study

As a general rule, students should begin their Economics major by taking ECON 101 (https://catalog.sbcc.edu/search/?P=ECON%20101) Microeconomics and ECON 102 (https://catalog.sbcc.edu/search/?P=ECON%20102) Macroeconomics, in either order. Additional courses should be chosen after consultation with an academic counselor to meet degree and transfer goals, as the requirements for the AA Economics degree and the AA-T Economics degree differ, and as transfer institutions may also have specific requirements. ECON 101H and ECON 102H are offered as part of the Honors Program. The department encourages students to seek out internships and register for ECON 295 (https://catalog.sbcc.edu/search/?P=ECON%20295) Internship In Economics as part of the college experience. More information about internship courses can be found below, in the section "Political Science (All Programs) and Economics: Internships."

### Economics: Preparation for Transfer

Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is most important for a student to consult with a counselor and departmental advisor before planning an academic program for transfer. Information on majors and transfer requirements is available in the Counseling Center and Transfer Center.

### Economics: Awards and Honors

Each year, the faculty selects one student as the "Outstanding Student of the Year in Economics" on the basis of academic performance and contribution to our program.

### Global and International Studies, and Global Leadership: Program Descriptions

The world seems to become "smaller" at an accelerated pace. Rise in global trade, rapid advances in technology, communication and international travel, a growing body of international law, and transnational environmental problems have been creating an increasingly connected world.  This process has become known as "globalization."

The Global and International Studies major helps students develop an understanding of how globalization continues to evolve. It also aims to provide an academic background that prepares students to enter today's many career fields, which require knowledge of global problems, connections, actors, and processes.  Examples of possible career fields include: careers in diplomacy and/ or with an international organization, careers with many types of non-governmental organizations, careers in the economics/ business field, and in the fields of journalism, research, and teaching. Many other fields, such as engineering, and health, also benefit from a global perspective.

Global Studies is an interdisciplinary major that draws from a variety of academic disciplines. These disciplines include, but are not limited to: Political Science, History, Communication, Economics, Business, Sociology, and Environmental Studies.  Combining these diverse disciplines into one interdisciplinary, colorful major - in order to understand the complex, rapidly unfolding process of globalization - is the objective of our program.

### Global and International Studies, and Global Leadership: AA and AA-T Degree Requirements

We offer a Global and International Studies Associate Degree (AA), and a Global Studies Associate Degree for Transfer (AA-T).  Furthermore, in collaboration with the Department of Communication, we offer a Global Leadership Associate Degree (AA), and a Global Leadership Certificate.
  Major requirements for transfer vary depending upon the college or

university a student wishes to attend. Therefore, it is most important for a student to consult with his/her counselor and departmental adviser before planning an academic program for transfer.  Information on majors and transfer requirements is available in the Counseling Center and Transfer Center.

### Global and International Studies, and Global Leadership: Planning a Program of Study

For the Global and International Studies Associate Degree (AA), and the Global Studies Associate Degree for Transfer (AA-T), students should begin their study of Global Studies by taking GLST 101 (https://catalog.sbcc.edu/search/?P=GLST%20101) Introduction to Global Studies, and GLST 102 (https://catalog.sbcc.edu/search/?P=GLST%20102) Global Problems (in either order).  Students should also enroll in POLS 121 (https://catalog.sbcc.edu/search/?P=POLS%20121) International Politics or POLS 121H (https://catalog.sbcc.edu/search/?P=POLS%20121H) International Politics, Honors, and/or POLS 131 (https://catalog.sbcc.edu/search/?P=POLS%20131) Comparative Politics.  Additional elective courses from various disciplines should be chosen after consultation with an academic counselor to meet degree and transfer goals. The course in international governance, POLS 122 (https://catalog.sbcc.edu/search/?P=POLS%20122) International Organizations: Global and Regional Governance is a good choice, but there are many courses from which to choose.

For the Global Leadership Associate Degree (AA), and the Global Leadership Certificate, students should enroll in GLST 101 (https://catalog.sbcc.edu/search/?P=GLST%20101) Introduction to Global Studies and in GLST 102 (https://catalog.sbcc.edu/search/?P=GLST%20102) Global Problems (in either order), as well as choose two Communication courses from the following: COMM 121 (https://catalog.sbcc.edu/search/?P=COMM%20121) Interpersonal Communication, COMM 121H (https://catalog.sbcc.edu/search/?P=COMM%20121H) Interpersonal Communication, Honors, COMM 122 (https://catalog.sbcc.edu/search/?P=COMM%20122) Mediated Interpersonal Communication, COMM 142 (https://catalog.sbcc.edu/search/?P=COMM%20142) Leadership in a Global Society, or COMM 151 (https://catalog.sbcc.edu/search/?P=COMM%20151) Intercultural Communication.  Additional elective courses from various disciplines should be chosen after consultation with an academic counselor to meet degree and transfer goals.

### Global and International Studies, and Global Leadership: Preparation for Transfer

A number of colleges and universities have transfer programs in Global and International Studies and/or International Studies, or International Relations.  Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is most important for a student to consult with a counselor and departmental adviser before planning an academic program for transfer. Information sheets for majors, outlining transfer requirements, are available in the Counseling and Transfer Centers.

### Global and International Studies: Honors and Awards

Each year, the faculty selects one outstanding student as the "Global and International Studies Student of the Year" on the basis of academic performance and contribution to our program. In addition, each Spring Semester, the Global Studies Program awards the "Peter O. Haslund Global Studies Scholarship", a scholarship made possible by a generous donation by Mrs. Margareta Jamner in honor of the founder of the Global Studies Program at SBCC, Dr. Peter Haslund is given on the basis of both academic promise and financial need. This scholarship is administered

by the SBCC Foundation. Please contact the Financial Aid Office for more information.

## Middle East Studies: Program Description

The Middle East Studies Program/major involves the study of the history, politics, cultures, religions and languages of one of the most complex and critical regions of the world. The Middle East Studies major seeks to understand the question of democratization, political violence, the role of religion, ideology, and the role of tradition and history in shaping the physical and psychological make-up of the region. While the program is of special interest to students who plan careers in government service or business, majoring in Middle East Studies meshes with and complements well other areas of study, such as International Relations, Global Studies, Political Science, History and International Business, to name a few.

Career choices include State Department area specialist, Department of Defense area specialist, Homeland Security area specialist, diplomatic service (national and international), policy adviser, policy analyst, federal, state and local government service and teaching. This major with a B.A. Degree can lead to advanced degree programs in Middle East Studies, International Relations, Comparative Politics and Global Studies.

## Middle East Studies: AA Degree Requirements

We offer a Middle East Studies Associate Degree (AA). This degree can be obtained by satisfying the department requirements in Middle East Studies and the General Education and institutional requirements for the Associate in Arts Degree.

## Middle East Studies: Planning a Program of Study

As a general rule, students should begin their Middle East Studies Program by taking one of the three core courses required for the major, either ART 216 (https://catalog.sbcc.edu/search/?P=ART%20216) Survey Of Islamic Art And Architecture, HIST 137 (https://catalog.sbcc.edu/search/?P=HIST%20137) History Of Religions Of The Middle East or HIST 138 (https://catalog.sbcc.edu/search/?P=HIST%20138) History Of The Modern Middle East, or POLS 136 (https://catalog.sbcc.edu/search/?P=POLS%20136) Middle East Government And Politics. Students should continue taking one of the core classes per semester and adding at least one of the additional classes from the list above over the course of two years to complete their 18 required units in the program for the A.A. in Middle East Studies. Students are also encouraged, but not required, to take one of the languages for the program, either Arabic or Hebrew.  Students transferring to UCSB's Middle East Studies Program should complete ART 216 (https://catalog.sbcc.edu/search/?P=ART%20216) Survey Of Islamic Art And Architecture, HIST 137 (https://catalog.sbcc.edu/search/?P=HIST%20137) History Of Religions Of The Middle East or HIST 138 (https://catalog.sbcc.edu/search/?P=HIST%20138) History Of The Modern Middle East, or POLS 136 (https://catalog.sbcc.edu/search/?P=POLS%20136) Middle East Government And Politics and ARBC 101 (https://catalog.sbcc.edu/search/?P=ARBC%20101) Beginning Modern Standard Arabic I sequence at SBCC.

## Middle East Studies: Preparation for Transfer

SBCC's Middle East Studies Program is fully articulated with the UC and CSU systems. Students in the program will have satisfied most if not all lower division requirements for the respective majors at four-year schools, such as UCSB's Islamic and Near Eastern Studies Program and major.Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is most important for a student to consult with a counselor and departmental adviser before planning an academic program for transfer. Information on majors and

transfer requirements is available in the Counseling Center and Transfer Center.

# Programs of Study

**Associate Degrees for Transfer**

- Economics, Associate in Arts for Transfer (AA-T) (p. 338)
- Global Studies, Associate in Arts for Transfer (AA-T) (p. 340)
- Political Science, Associate in Arts for Transfer (AA-T) (p. 346)

**Associate Degrees**

- Economics, Associate of Arts (AA) (p. 337)
- Global and International Studies, Associate of Arts (AA) (p. 339)
- Global Leadership, Associate of Arts (AA) (p. 214)
- Law and Society, Associate of Arts (AA) (p. 341)
- Law and Society, Associate of Arts (AA): Criminal Justice Emphasis (p. 342)
- Middle East Studies, Associate of Arts (AA) (p. 343)
- Political Science, Associate of Arts (AA) (p. 344)

**Certificates of Achievement**

- Global Leadership, Certificate of Achievement (C) (p. 217)
- Middle East Studies, Certificate of Achievement (C) (p. 344)

# Economics, Associate of Arts (AA)

## Overview

Economics is the study of people and the choices they make regarding the production, distribution and allocation of resources.  Does this dynamic world hold a special fascination for you?  Do you seek a working knowledge of the principles of modern finance, as applied to the public and private sectors of our economy? If you can answer affirmatively in each instance, SBCC's two year Economics program can be your biggest stepping stone to a four year degree and a rewarding professional career.  The program at Santa Barbara City College is designed to instill a general understanding of the economic realities of our world, with an emphasis on the mechanics of the American economy and its comparison to other economic systems.  You will study business organization and finance, national income, business cycles, competition and monopoly, distribution of income and the problems of labor.  For the Economics major, two semesters of the Principles of Economics and two semesters of Accounting can represent the needed base from which to launch a solid transfer program at a four-year college or university.  Course requirements for transfer vary depending upon the college or university a student wishes to attend; it is most important for a student to consult with his/her counselor and departmental advisor before planning an academic program for transfer.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:

    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR

    b. OPTION 2: IGETC (p. 141) Pattern OR

    c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ACCT 230 | Financial Accounting [1] | 5 |
| ACCT 240 | Managerial Accounting [1] | 4 |
| ECON 101 | Microeconomics | 3-4 |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | 3-4 |
| or ECON 102H | Macroeconomics, Honors | |
| Social Science Electives [2] | | 9 |
| **Total Units** | | **24.00-26.00** |

[1]  ACCT 210 and 220 will also satisfy these requirements.

[2]  Any Math course numbered 107 or higher may be substituted for one social science elective.

## Learning Outcomes

1. Demonstrate knowledge of key terms and core concepts of economics.

2. Examine and analyze the market and non-market processes by which scarce resources are allocated.

3. Develop enhanced analytical abilities for the understanding and critical evaluation of relevant arguments.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Economics, Associate in Arts for Transfer (AA-T)

Have the demonstrations against the World Trade Organization puzzled you? What has changed in the electric power industry? Did a Federal Reserve change in the discount rate catch your attention? How well do you feel you understand the economic events reported in the news? The Economics Program at Santa Barbara City College will provide you with a solid foundation from which you can build analytical skills. These skills will improve your decision making processes in many aspects of your life: as a consumer, an employee, an employer, a voter, etc. Courses in economics will offer the transfer student both theoretical and empirical foundations which will prepare you for further study in many fields, including environmental studies, global and international studies, sociology and history, as well as economics.

The Associate in Arts for Transfer degree in Economics provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses. The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

# Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.

2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.

3. A total of 60 CSU transferable semester units.

4. Maintain a minimum cumulative CSU transferable GPA of 2.0.

5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Required Core | | |
| ECON 101 | Microeconomics | 3 |
| ECON 102 | Macroeconomics | 3 |
| MATH 150 | Calculus with Analytic Geometry I | 5 |
| or MATH 130 | Calculus for Biological Sciences, Social Sciences and Business I | |
| PSY 150 | Statistics for the Behavioral Sciences | 4 |
| or MATH 117 | Elementary Statistics | |
| List A - Complete one course from the following: | | 3-5 |
| ACCT 110 | Introduction to Accounting | |
| ACCT 230 | Financial Accounting | |
| ACCT 240 | Managerial Accounting | |
| ARBC 101 | Beginning Modern Standard Arabic I | |
| ARBC 102 | Beginning Modern Standard Arabic II | |
| BLAW 101 | Business Law | |
| or BLAW 110 | Legal Environment of Business | |
| CHIN 101 | Beginning Chinese I | |
| CHIN 102 | Beginning Chinese II | |
| CIS 101 | Introduction to Computers and Information Systems | |
| CIS 209 | Visual Basic .Net Programming | |
| COMM 235 | Argumentation and Debate | |
| COMP 109 | Microsoft Excel | |

| | | |
|---|---|---|
| COMP 271 | Business Communications | |
| CS 101 | Computer Concepts | |
| ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| MATH 131 | Calculus For Biological Sciences, Social Sciences And Business II | |
| MATH 137 | College Algebra | |
| MATH 138 | Precalculus - College Algebra and Trigonometry | |
| MATH 160 | Calculus with Analytic Geometry II | |
| MATH 200 | Multivariable Calculus | |
| MATH 210 | Linear Algebra | |
| MATH 220 | Differential Equations | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SPAN 101 | Beginning Spanish I | |
| SPAN 102 | Beginning Spanish II | |
| SPAN 103 | Intermediate Spanish I | |
| SPAN 104 | Intermediate Spanish II | |
| SPAN 146 | Intermediate Spanish for Native Speakers I | |
| SPAN 147 | Intermediate Spanish for Native Speakers II | |
| List B - Complete one course from the following: | | 3-5 |
| Any List A course not already used | | |
| **Total Units** | | **21.00-25.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate knowledge of key terms and core concepts of economics.
2. Examine and analyze market and nonmarket processes by which scarce resources are allocated.
3. Develop enhanced analytical skills for understanding and evaluating relevant arguments.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Global and International Studies, Associate of Arts (AA)

## Overview

We live in a world that seems to become "smaller" at an accelerated pace. Rise in global trade, rapid advances in technology, unprecedented degrees of inter-cultural communication and international travel, a growing body of international law, the growing number of global non-state actors and the seriousness of many transnational problems have been creating an increasingly connected world. This process of globalization has transformed our planet, creating new opportunities and many new challenges. The mission of the Global and International Studies program is to enable students to understand how globalization continues to evolve, and to provide an academic background which prepares them for today's many career fields that require a global perspective.  Reflecting the complexity of today's world, Global Studies is an interdisciplinary major. It integrates the following disciplines:

- History, allowing us to learn about the evolution of our global civilizations;
- Anthropology and Sociology, to study the evolution of societies, societal characteristics and changes;
- Communication, to study communication between cultures and nations;
- Philosophy, to help us understand fundamental concepts such as our values and the philosophy of religions;
- Political Science, to understand the role of nation-states, international organizations, international law and private organizations in the globalization process
- Economics and business to study the growth of trade and its effects
- Environmental Studies to explore the many ecological problems related to economic growth and the dramatic rise in global population.
- Foreign languages to help us understand other people and communicate more effectively across national barriers.

Combining these academic disciplines into one interdisciplinary, colorful major -- in order to understand the rapidly unfolding process of globalization -- is the objective of our program.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Core Requirements | | 9-10 |
| GLST 101 | Introduction to Global Studies | |
| GLST 102 | Global Problems | |
| POLS 121 | International Politics | |
| or POLS 121H | International Politics, Honors | |
| or POLS 131 | Comparative Politics | |
| Complete three courses from the following Electives, from different disciplines: [1] | | 9-15 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 109 | Comparative World Cultures | |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| ART 108 | History of Asian Art | |
| ART 110 | History of Women in Art | |
| ART 111 | Survey Of Tribal Arts | |
| ART 215 | Survey Of Non-Western Art | |
| ART 216 | Survey Of Islamic Art And Architecture | |
| COMM 151 | Intercultural Communication | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| or ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| IBUS 102 | Introduction to International Business | |
| ENG 232 | World Literature: 17th Century to Present | |
| ENVS 110 | Humans And The Biological Environment | |
| ERTH 141/ GEOG 101 | Physical Geography | |
| GEOG 102 | Human Geography | |
| GEOG 105/ ERTH 142 | Economic Geography | |
| HIST 102 | History of the U.S. Since 1865 | |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| HIST 107 | World Civilization, Beginnings to 1550 | |
| HIST 108 | World Civilization, 1550 to Present | |
| HIST 110 | History of American Women | |
| or HIST 110H | History Of American Women (Honors) | |
| HIST/ENVS 112 | American Environmental History | |
| HIST 120 | Modern Europe | |
| HIST 133 | History of Latin America | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| HIST 138 | History of the Modern Middle East | |
| MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| or SOC 125 | Introduction to Statistics in Sociology | |
| MUS 118 | World Music | |
| PHIL 102 | Comparative World Religions | |
| POLS 121 | International Politics [2] | |
| or POLS 121H | International Politics, Honors | |
| POLS 122 | International Organizations: Global and Regional Governance | |
| POLS 131 | Comparative Politics [2] | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 109 | Social Problems | |
| SOC 115 | Introduction To Social Research | |
| or PSY 200 | Research Methods and Experimental Design in Psychology | |
| Any foreign language courses offered at SBCC, i.e., language acquisition courses (101, 102, 103, 104, 150, 160) | | |
| **Total Units** | | **18.00-25.00** |

[1] It is highly recommended that students intending transfer select their courses in consultation with an academic counselor to ensure that they meet the requirements of four-year institutions.

[2] POLS 121 or 121H or 131 may count toward the Electives requirement if not previously used to satisfy Core Requirements (listed above).

## Learning Outcomes

1. Describe key developments in the ongoing process of globalization

2. Analyze the concept of global interdependence with reference to various characteristics of globalization and to specific global problems

3. Connect concepts related to political, economic, cultural and ecological globalization with events discussed in contemporary news

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Global Studies, Associate in Arts for Transfer (AA-T)

We live in a world that seems to become "smaller" at an accelerated pace. Rise in global trade, rapid advances in technology, unprecedented degrees of inter-cultural communication and international travel, a growing body of international law, the growing number of global non-state actors and the seriousness of today's environmental problems have been creating an increasingly connected world. This process of globalization has transformed our planet, creating new opportunities and many new challenges. The mission of the Global Studies Program is to enable students to understand how globalization continues to evolve,

and to provide an academic background which prepares them for today's many career fields that require a global perspective.

The Associate in Arts for Transfer degree in Global Studies provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

# Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Required Core | | |
| GLST 101 | Introduction to Global Studies | 3 |
| GLST 102 | Global Problems | 3 |
| List A - Complete five courses from at least four of the following areas: | | 15-20 |
| Area 1: Culture and Society | | |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 104 | Language and Culture | |
| HIST 107 | World Civilization, Beginnings to 1550 | |
| HIST 108 | World Civilization, 1550 to Present | |
| HIST 133 | History of Latin America | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| Area 2: Geography | | |
| GEOG 101/ ERTH 141 | Physical Geography | |
| GEOG 102 | Human Geography | |
| GEOG 104 | World Regional Geography | |
| GEOG 105/ ERTH 142 | Economic Geography | |
| Area 3: Economics | | |
| ECON 101 | Microeconomics | |
| ECON 102 | Macroeconomics | |
| Area 4: Politics | | |
| POLS 121 or POLS 121H | International Politics International Politics, Honors | |
| POLS 131 | Comparative Politics | |
| Area 5: Humanities | | |
| ART 108 | History of Asian Art | |
| ART 111 | Survey Of Tribal Arts | |
| CHIN 103 | Intermediate Chinese | |
| ENG 111 or ENG 111H | Critical Thinking and Composition Through Literature Critical Thinking and Composition Through Literature, Honors | |
| ENG 231 | World Literature: Ancient Times to 16th Century | |
| ENG 232 | World Literature: 17th Century to Present | |
| FR 103 | Intermediate French I | |
| FR 104 | Intermediate French II | |
| ITAL 103 | Intermediate Italian I | |
| ITAL 104 | Intermediate Italian II | |
| JAPN 103 | Intermediate Japanese I | |
| PHIL 102 | Comparative World Religions | |
| SPAN 103 | Intermediate Spanish I | |
| SPAN 104 | Intermediate Spanish II | |
| **Total Units** | | **21.00-26.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Describe key developments in the ongoing process of globalization.
2. Explain the nature and reasons for various global problems and the actions taken to address them.
3. Analyze the concept of global interdependence with reference to various characteristics of globalization and to specific global problems.
4. Connect events discussed in contemporary news with concepts related to political, economic, cultural and ecological globalization and global problems.

## Recommended Course Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Law and Society, Associate of Arts (AA)

## Overview

The Law and Society Program involves the study of law and legal systems as they relate to the larger societies of which they are a part. While the program is of special interest to students who plan careers in

government service or law, many of the majors simply share a desire to understand the role of law in society.

Some of the questions students will encounter in courses in this program include: Do all societies have law? Why do legal systems develop? What purposes are served by the law? Why do different societies develop different types of law? How are legal resources distributed within societies? How does one determine if a law is constitutional? How does one know if a law is just? While these are only examples of the issues addressed by the program, they do suggest the breadth of the concerns involved.

The Law and Society major seeks to understand the nature of law and legal institutions from a variety of perspectives. The program is interdisciplinary, with courses offered in the following fields: Justice Studies, Anthropology, Economics, History, Philosophy, Political Science, Psychology and Sociology. The program is designed to benefit both the student who desires a liberal education and the student who intends to enter graduate or law school.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| PHIL 205 | Introduction to Logic | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 151 | Law And Society | 3 |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |
| Complete three courses from the following: | | 9-12 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| HIST 101 | History of the U.S. to 1877 | |
| HIST 102 | History of the U.S. Since 1865 | |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 103 | History of Western Civilization | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| POLS 104 | American Government: Policy Issues/Process | |
| POLS 121 | International Politics | |
| or POLS 121H | International Politics, Honors | |
| POLS 131 | Comparative Politics | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| PSY 150 | Statistics for the Behavioral Sciences | |
| **Total Units** | | **21.00-25.00** |

## Learning Outcomes

1. Demonstrate knowledge of the interrelationships among various legal institutions and actors.
2. Analyze law and legal systems as they relate to the larger societies of which they are part.
3. Understand the various sources of laws and how the different components of the legal system operate to settle both criminal and civil conflicts.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Law and Society, Associate of Arts (AA): Criminal Justice Emphasis

## Overview

The law and society major seeks to understand the nature of law and legal institutions from a variety of perspectives. The major is interdisciplinary with major responsibility in the Political Science Department and electives offered from the Administration of Justice Department. The program is designed to benefit both those who desire a liberal education and the student who intends to enter graduate or law school. The major provides preparation for transfer into four-year colleges and universities, especially the University of California at Santa Barbara.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:

a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
b. OPTION 2: IGETC (p. 141) Pattern OR
c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 107 | Concepts Of Criminal Law | 3 |
| ECON 101 | Microeconomics | 3-4 |
| or ECON 101H | Microeconomics, Honors | |
| or ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| PHIL 205 | Introduction to Logic | 3 |
| POLS 101 | American Government And Politics | 3 |
| POLS 151 | Law And Society | 3 |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| PSY 150 | Statistics for the Behavioral Sciences | 4 |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |
| **Total Units** | | **28.00-31.00** |

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Middle East Studies, Associate of Arts (AA)

## Overview

The Middle East Studies Program involves the study of the history, politics, cultures, religions and languages of one of the most complex and critical regions of the world. Some of the questions which students will encounter in courses in this program include: What are the main tenets of the major religions of the area? What is the history of the peoples of this region? What are the political systems of these countries like? Why is the region so critical to world politics? What are the cultural differences in Middle Eastern cultures, within the Middle East and between the Middle East and the West and the East.

The Middle East Studies major also seeks to understand the question of democratization, political violence, the role of religion and ideology, the role of tradition and history in shaping the physical and psychological make-up of the region. The Program will be complemented with a Study Abroad component offering students a hands-on experience of life and culture and tradition and history of the Middle East.

The Associate in Arts in Middle East Studies degree (AA in Middle East Studies) is an interdisciplinary program that provides students with a solid foundation to transition to a Baccalaureate Degree in Middle East Studies at UCSB or at any of the other UC or CSU campuses offering a similar major.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Courses: | | |
| ART 216 | Survey Of Islamic Art And Architecture | 3 |
| GEOG 107 | Geography of The Middle East/North Africa and Southwest Asia | 3 |
| HIST 138 | History of the Modern Middle East | 3 |
| POLS 136 | Middle East Government And Politics | 3 |
| Complete 9 units of electives from the following: | | 9-10 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| or ANTH 109 | Comparative World Cultures | |
| ARBC 101 | Beginning Modern Standard Arabic I | |
| ARBC 102 | Beginning Modern Standard Arabic II | |
| GLST 101 | Introduction to Global Studies | |
| GLST 102 | Global Problems | |
| PHIL 102 | Comparative World Religions | |
| POLS 121 | International Politics | |
| or POLS 121H | International Politics, Honors | |
| POLS 131 | Comparative Politics | |
| **Total Units** | | **21.00-22.00** |

## Learning Outcomes

1. Distinguish between the main tenets of the major religions of the Middle East
2. Explain the differences and similarities between the political systems of the Middle East
3. Correlate the role of religion, ideology and culture to the notions of modernization and democratization in the Middle East

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Middle East Studies, Certificate of Achievement (C)

## Overview

The Middle East Studies Program involves the study of the history, politics, cultures, religions and languages of one of the most complex and critical regions of the world. Some of the questions which students will encounter in courses in this program include: What are the main tenets of the major religions of the area? What is the history of the peoples of this region? What are the political systems of these countries like? Why is the region so critical to world politics? What are the cultural differences in Middle Eastern cultures, within the Middle East and between the Middle East and the West and the East.

The Middle East Studies major also seeks to understand the question of democratization, political violence, the role of religion and ideology, the role of tradition and history in shaping the physical and psychological make-up of the region. The Program will be complemented with a Study Abroad component offering students a hands-on experience of life and culture and tradition and history of the Middle East.

The Associate in Arts in Middle East Studies degree (AA in Middle East Studies) is an interdisciplinary program that provides students with a solid foundation to transition to a Baccalaureate Degree in Middle East Studies at UCSB or at any of the other UC or CSU campuses offering a similar major.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a C or better in each course.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Courses | | |
| ART 216 | Survey Of Islamic Art And Architecture | 3 |
| GEOG 107 | Geography of The Middle East/North Africa and Southwest Asia | 3 |
| HIST 138 | History of the Modern Middle East | 3 |
| POLS 136 | Middle East Government And Politics | 3 |
| Complete 9 units from the following: | | 9-10 |
| ANTH 103 or ANTH 109 | Introduction To Cultural Anthropology Comparative World Cultures | |
| ARBC 101 | Beginning Modern Standard Arabic I | |
| ARBC 102 | Beginning Modern Standard Arabic II | |
| GLST 101 | Introduction to Global Studies | |
| GLST 102 | Global Problems | |
| PHIL 102 | Comparative World Religions | |
| POLS 121 or POLS 121H | International Politics International Politics, Honors | |
| POLS 131 | Comparative Politics | |
| **Total Units** | | **21.00-22.00** |

## Learning Outcomes

1. Distinguish between the main tenets of the major religions of the Middle East.
2. Explain the differences and similarities between the political systems of the Middle East.
3. Correlate the role of religion, ideology and culture to the notions of modernization and democratization in the Middle East.

# Political Science, Associate of Arts (AA)

## Overview

The study of politics in our contemporary world is the study of how people govern themselves.  We examine the process by which scarce resources are allocated to an expanding population with ever-increasing demands.  We look at American politics as an experience in "self-government" and realize that our system is quite different, for example, from the political system developed by the People's Republic of China -- and also different from other Western democracies.  We examine these differences and attempt to understand something about the degree to which one system works better than another.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| POLS 101 | American Government And Politics | 3 |
| POLS 121 | International Politics | 3-4 |
| or POLS 121H | International Politics, Honors | |
| POLS 131 | Comparative Politics | 3 |
| POLS 132 | Political Thinking | 3 |
| Complete two courses from the following: | | 6-8 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 109 | Comparative World Cultures | |
| ANTH 113 | Witchcraft, Magic, Science And Religion | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ASAM 102 | Contemporary Asian-American History | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | |
| CHST 103 | Mexican-American (Chicano) Culture | |
| CHST 121 | The Chicana And Other Latina Women | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| ERTH 142/ GEOG 105 | Economic Geography | |
| ETHS 101 | The Immigrant Experience in the U.S. | |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| ETHS/SOC 107 | Racism In America | |
| ETHS 109 | U.S.-Mexico And Other Borderlands | |
| ETHS 121 | Women of Color In The U.S. | |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | |
| GEOG 102 | Human Geography | |
| GLST 101 | Introduction to Global Studies | |
| GLST 102 | Global Problems | |
| MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| or SOC 125 | Introduction to Statistics in Sociology | |
| NATA 102 | The Native American In 20th Century Society | |
| NATA 103 | Native American Cultural Heritage | |
| NATA 104 | California Indians | |
| HIST 101 | History of the U.S. to 1877 | |
| HIST 102 | History of the U.S. Since 1865 | |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 103 | History of Western Civilization | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| HIST 120 | Modern Europe | |
| HIST 121 | History Of Great Britain | |
| HIST 122 | History Of Great Britain | |
| HIST 127 | History Of Russia | |
| HIST 133 | History of Latin America | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| HIST 135 | History of Mexico | |
| HIST 138 | History of the Modern Middle East | |
| PHIL 100 | Introduction to Philosophy | |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| PHIL 101 | Introduction to Ethics | |
| or PHIL 101H | Introduction To Ethics, Honors | |
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| POLS 104 | American Government: Policy Issues/ Process | |
| POLS 110 | Politics, Society And The Mass Media | |
| POLS 122 | International Organizations: Global and Regional Governance | |
| POLS 134H | Political Violence, Honors | |
| POLS 136 | Middle East Government And Politics | |
| POLS 151 | Law And Society | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| PSY 145 | Human Development | |
| PSY 170 | Abnormal Psychology | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 104 | Social Psychology | |
| or PSY 175 | Social Psychology: Psychological Perspective | |
| SOC 113 | Sociology Of Sex and Gender | |
| **Total Units** | | **18.00-21.00** |

## Learning Outcomes

Students majoring in Political Science should, at the end of their two years of study at the college, be able to achieve the following level of proficiency in this field. This measure is referred to as Student Learning Outcomes, and they are as follows for the Political Science Department:

1. Demonstrate knowledge of how people are governed and how they govern themselves

2. Analyze the role of government institutions in contemporary society

3. Demonstrate knowledge of key terms and core concepts of political systems

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Political Science, Associate in Arts for Transfer (AA-T)

The goal of the Political Science Program at Santa Barbara City College is to prepare students to develop the fundamental understanding of the American political experience as a unique experiment in "self-government," going beyond studying how America is governed to look at other political systems with a view to realizing the differences and commonalities between these political systems. The program examines these differences in an attempt to understand something about the degree to which one system is better suited to a country than another, and whether or not one can indeed speak of one type of political arrangement as the "best." Our discipline also seeks to understand the causes, dynamics and possibilities of conflict and conflict resolution in the international arena, by studying the interactions of states, international organizations, non-governmental organizations, and non-state actors on the global scene.

The Associate in Arts for Transfer degree in Political Science provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Required Core | | |
| POLS 101 | American Government And Politics | 3 |
| List A - Complete three courses from the following: | | 9-11 |
| POLS 121 | International Politics | |
| or POLS 121H | International Politics, Honors | |
| POLS 131 | Comparative Politics | |
| POLS 132 | Political Thinking | |
| PSY 150 | Statistics for the Behavioral Sciences | |
| or MATH 117 | Elementary Statistics | |
| List B - Complete two courses from the following: | | 6-9 |
| Any List A course not used above | | |
| ACCT 230 | Financial Accounting | |
| ANTH 102 | Introduction To Archaeology | |
| or ANTH 102H | Introduction to Archaeology, Honors | |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 109 | Comparative World Cultures | |
| ANTH 113 | Witchcraft, Magic, Science And Religion | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ASAM 102 | Contemporary Asian-American History | |
| BLST 101 | The African-American In U.S. History To World War II | |
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present | |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors | |
| BLST 103 | African-American Culture | |
| BLAW 101 | Business Law | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | |
| CHST 103 | Mexican-American (Chicano) Culture | |
| CHST 121 | The Chicana And Other Latina Women | |
| COMM 101 | Introduction to Communication | |
| COMM 151 | Intercultural Communication | |
| COMM 171 | Mass Media and Society | |
| ERTH 142/ GEOG 105 | Economic Geography | |
| ECON 101 | Microeconomics | |
| or ECON 101H | Microeconomics, Honors | |
| ECON 102 | Macroeconomics | |
| or ECON 102H | Macroeconomics, Honors | |
| ENVS/HIST 112 | American Environmental History | |
| ETHS 101 | The Immigrant Experience in the U.S. | |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| ETHS/SOC 107 | Racism In America | |
| ETHS 121 | Women of Color In The U.S. | |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. | |
| GEOG 102 | Human Geography | |
| GEOG 104 | World Regional Geography | |
| GLST 101 | Introduction to Global Studies | |
| GLST 102 | Global Problems | |
| HIST 101 | History of the U.S. to 1877 | |
| HIST 102 | History of the U.S. Since 1865 | |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |
| HIST 103 | History of Western Civilization | |
| HIST 104 | History of Western Civilization | |

| | |
|---|---|
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors |
| HIST 107 | World Civilization, Beginnings to 1550 |
| HIST 108 | World Civilization, 1550 to Present |
| HIST 120 | Modern Europe |
| HIST 121 | History Of Great Britain |
| HIST 122 | History Of Great Britain |
| HIST 127 | History Of Russia |
| HIST 134 | History Of Latin America: 1800'S To Modern Period |
| HIST 135 | History of Mexico |
| HIST 137 | History of Religions of The Middle East |
| HIST 138 | History of the Modern Middle East |
| NATA 101 | American Indian: Past and Present |
| NATA 102 | The Native American In 20th Century Society |
| NATA 103 | Native American Cultural Heritage |
| NATA 104 | California Indians |
| POLS 104 | American Government: Policy Issues/ Process |
| POLS 110 | Politics, Society And The Mass Media |
| POLS 122 | International Organizations: Global and Regional Governance |
| POLS 134H | Political Violence, Honors |
| POLS 136 | Middle East Government And Politics |
| POLS 151 | Law And Society |
| PSY 100 | General Psychology |
| or PSY 100H | General Psychology, Honors |
| PSY 120 | Introduction To Psychology |
| PSY 140 | Child Development |
| PSY 145 | Human Development |
| PSY 170 | Abnormal Psychology |
| PSY 175 | Social Psychology: Psychological Perspective |
| PSY 200 | Research Methods and Experimental Design in Psychology |
| SOC 101 | Introduction To Sociology |
| or SOC 101H | Introduction to Sociology, Honors |
| SOC 103 | Marriage, Family and Intimacy |
| SOC 104 | Social Psychology |
| SOC 106 | Sociology of Deviance |
| SOC 109 | Social Problems |
| SOC 113 | Sociology Of Sex and Gender |
| **Total Units** | **18.00-23.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate knowledge of how people are governed and how they govern themselves.

2. Analyze the role of government institutions in contemporary society.
3. Demonstrate knowledge of key terms and core concepts of political systems.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Professional Development Studies

The Professional Development Studies Department is embedded in the Career Skills Institute, a program under the School of Extended Learning (http://www.sbcc.edu/extendedlearning/) with classes occurring at Wake Campus. This tuition-free program offers short and targeted professional development courses in areas such as soft-skills business communication, design, technology and career education. The topics have been carefully selected to provide timely training for individuals looking to enter, re-enter, upskill, or transform within the job market.

# Psychology
## Program Description

Psychology is the scientific, multidisciplinary study of behavior, mental processes, growth, and well-being. Psychologists investigate how biological, cognitive, and sociocultural factors affect our experiences and actions and, furthermore, apply this knowledge to optimize our mental health and performance. The Psychology Associates Degree (AA) offers courses important for general education, while the AA-T curriculum offers transfer-oriented courses as preparation for upper-division study. Students who complete the AA/AA-T explore a variety of career fields and/or graduate programs, including industrial/organizational psychology; business administration; sales, advertising, marketing; law; recreation; social work; education; counseling; clinical psychology; forensic science; neuroscience; communications; health psychology; sports psychology, and others. The AA-T degree complies with the Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code Sections 66746-66749) and guarantees admission to a California State University (CSU) for any community college student who completes the AA-T. Students will receive priority consideration when applying to a program that is similar to a student's community college area of emphasis. Please note: most professional Psychology careers require training beyond the undergraduate level. Students should discuss their plans with a counselor or department adviser as early as possible. For the latest information about transfer degrees, visit www.sb1440.org.

## Programs of Study

**Associate Degrees for Transfer**

- Child and Adolescent Development, Associate in Arts for Transfer (AA-T) (https://catalog.sbcc.edu/academic-departments/psychology/child-and-adolescent-development-aat/)
- Psychology, Associate in Arts for Transfer (AA-T) (p. 349)

**Associate Degree**

# Psychology, Associate of Arts (AA)

## Overview

Psychology represents an extremely broad discipline, ranging from the study of behavior of the simplest of organisms to the behavior of humans and groups of humans in complicated situations.  There is probably no other field that has as many direct and practical applications to human activities.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Core Courses | | |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| PSY 150 | Statistics for the Behavioral Sciences | 4 |
| PSY 200 | Research Methods and Experimental Design in Psychology | 4 |
| Social/Behavioral Science Electives: Complete Option A or Option B below | | 9-11 |
| **Total Units** | | **20.00-23.00** |

### Option A

| Code | Title | Units |
| --- | --- | --- |
| Complete 9-10 units from the following: | | |
| PSY 110 | Introduction to Physiological Psychology | |
| PSY 125 | Psychology Of Human Sexuality | |
| PSY 130 | Personality Dynamics And Effective Behavior | |
| PSY 140 | Child Development | |
| PSY 145 | Human Development | |
| PSY 170 | Abnormal Psychology | |
| PSY 175 | Social Psychology: Psychological Perspective | |

### Option B

| Code | Title | Units |
| --- | --- | --- |
| **Psychology Electives** | | |
| Complete 6-7 units from the following: | | |
| PSY 110 | Introduction to Physiological Psychology | |
| PSY 125 | Psychology Of Human Sexuality | |
| PSY 130 | Personality Dynamics And Effective Behavior | |
| PSY 140 | Child Development | |
| PSY 145 | Human Development | |
| PSY 170 | Abnormal Psychology | |
| PSY 175 | Social Psychology: Psychological Perspective | |
| **Social/Behavioral Sciences Electives** | | |
| Complete 3-4 units from the following: | | |
| ANTH 101 | Physical Anthropology | |
| or ANTH 101H | Physical Anthropology, Honors | |
| ANTH 103 | Introduction To Cultural Anthropology | |
| COMM 101 | Introduction to Communication | |
| PHIL 100 | Introduction to Philosophy | |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |

## Learning Outcomes

1. *Theory and Content of Psychology:* Students will demonstrate comprehension of the major concepts, theoretical perspectives, empirical findings, and historical and contemporary trends in psychology.
2. *Research Methods in Psychology:* Students will demonstrate comprehension of scientifically-based research methods in psychology.
3. *Statistical Methods in Psychology:* Students will identify, understand and apply statistical analyses appropriate for specific research problems in psychology.
4. *Information Technology:* Students will demonstrate competence with information technology.
5. *Critical Thinking:* Students will use logic and empirical evidence to evaluate claims made about behavior.
6. *Communication:* Students will clearly express thoughts, ideas and arguments, using appropriate tone, focus, grammar and organization in their communications.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

# Psychology, Associate in Arts for Transfer (AA-T)

Psychology is the social science discipline most concerned with studying the behavior, mental processes, growth and well-being of individuals. Psychological inquiry also examines the roles played by biological and sociocultural factors that affect behavior and mental processes. It is a broad discipline and profession, having both scientific and applied branches, with practical applications for personal growth and well-being. Students should consult with a departmental adviser and/or counselor when choosing both controlled and general electives in order to develop a program of study that is best suited to their specific needs. For example, requirements for the baccalaureate degree in Psychology vary from one institution to another. It is, therefore, essential to become familiar with the requirements of the institution a student plans to attend.

The Associate in Arts for Transfer degree in Psychology provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Required Core | | |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| PSY 150 | Statistics for the Behavioral Sciences | 4 |
| or MATH 117 | Elementary Statistics | |
| PSY 200 | Research Methods and Experimental Design in Psychology | 4 |
| List A - Complete one course from the following: | | 3-4 |
| BIOL 100 | Concepts Of Biology | |
| BIOL 140 | Principles of Biology | |
| PSY 110 | Introduction to Physiological Psychology | |
| List B - Complete one course from the following: | | 3-4 |
| Any course not taken in List A | | |
| BMS 107 | Human Anatomy | |
| COMM 121 | Interpersonal Communication | |
| or COMM 121H | Interpersonal Communication, Honors | |
| COMM 141 | Small Group Communication | |
| ECE 120 | Child Growth and Development/Educators | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| PSY 140 | Child Development | |
| PSY 145 | Human Development | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 104 | Social Psychology | |
| SOC 109 | Social Problems | |
| List C - Complete one course from the following: | | 3-5 |
| Any course not taken in List A or List B | | |
| ANTH 101 | Physical Anthropology | |
| or ANTH 101H | Physical Anthropology, Honors | |
| ANTH 103 | Introduction To Cultural Anthropology | |
| BIOL 110 | Natural Science | |
| BIOL 112 | Evolution and Adaptation | |
| BMS 100 | The Human Body | |
| BMS 108 | Human Physiology | |
| CHEM 101 | Introductory Chemistry | |
| CHEM 104 | Fundamentals Of General, Organic And Biological Chemistry | |
| CHEM 155 | General Chemistry I | |
| ERTH 101 | Introductory Astronomy | |
| or ERTH 101H | Introductory Astronomy, Honors | |
| GEOG 101/ ERTH 141 | Physical Geography | |
| GEOG 102 | Human Geography | |
| PHIL 100 | Introduction to Philosophy | |
| or PHIL 100H | Introduction to Philosophy, Honors | |
| PHIL 101 | Introduction to Ethics | |
| or PHIL 101H | Introduction To Ethics, Honors | |
| PHIL 200 | History Of Philosophy: Ancient | |
| PHIL 201 | History of Philosophy: Modern | |
| PHIL 203 | History Of Philosophy: Contemporary | |
| PHIL 205 | Introduction to Logic | |
| PHYS 101 | Conceptual Physics | |
| PHYS 102 | Introductory Physics For Science Majors | |
| PHYS 105 | General Physics | |
| PHYS 110 | Introductory Physics | |
| POLS 101 | American Government And Politics | |
| POLS 131 | Comparative Politics | |
| PSY 106 | Positive Psychology | |

| | | |
|---|---|---|
| PSY 115 | Psychology Of Health And Effective Behavior | |
| PSY 125 | Psychology Of Human Sexuality | |
| PSY 130 | Personality Dynamics And Effective Behavior | |
| PSY 135 | Psychology of Film | |
| PSY 170 | Abnormal Psychology | |
| PSY 175 | Social Psychology: Psychological Perspective | |
| ZOOL 122 | Animal Diversity | |
| **Total Units** | | **20.00-25.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. *Theory and Content of Psychology:* Students will demonstrate comprehension of the major concepts, theoretical perspectives, empirical findings, and historical and contemporary trends in psychology.
2. *Research Methods in Psychology:* Students will demonstrate comprehension of scientifically-based research methods in psychology.
3. *Statistical Methods in Psychology:* Students will identify, understand and apply statistical analyses appropriate for specific research problems in psychology.
4. *Information Technology:* Students will demonstrate competence with information technology.
5. *Critical Thinking:* Students will use logic and empirical evidence to evaluate claims made about behavior.
6. *Communication:* Students will clearly express thoughts, ideas and arguments, using appropriate tone, focus, grammar and organization in their communications.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## School of Justice Studies

## Program Description

The School of Justice Studies (SoJS) prepares students for entry into the criminal justice system and related professions, as well as those transferring to the California State University (CSU) system, other four-year universities, or law school. Full college credit is granted for each course successfully completed, and an Associate in Science (A.S.) Degree or Certificate of Achievement is awarded upon completion of the respective program chosen.

The School of Justice Studies offers four A.S. degrees and three Certificates of Achievement.

1. A.S. Degree or Certificate of Achievement: **Criminology Emphasis** - Ideally suited for students interested in understanding the nature, extent, causes, and control of criminal behavior in both the individual and society.
2. A.S. Degree or Certificate of Achievement: **Law Enforcement Emphasis** - Ideally suited for students interested in understanding the nature of law enforcement as it pertains to enforcing and detecting crime, investigations, apprehending law violators, preparing a case for trial, and crime prevention.
3. A.S. Degree or Certificate of Achievement: **Legal Studies Emphasis** - Ideally suited for students interested in understanding the history, philosophy, ethics, and practice of the American legal system.
4. A.S.-T. Degree: **Administration of Justice for Transfer** - Designed for students who want to earn a Baccalaureate Degree in Criminal Justice. Students successfully completing an A.S.-T degree are guaranteed admission to a Criminal Justice program with junior standing at one of the California State University (CSU) campuses.

## Programs of Study

**Associate Degree for Transfer**

**Associate Degrees**

**Certificates of Achievement**

# Administration of Justice, Associate of Arts or Science (AA/AS): Law Enforcement Emphasis

## Overview

This course of study is designed to prepare students for entry level positions in municipal and county law enforcement agencies (i.e. police or sheriffs departments), and/or to transfer to Bachelor's degree programs in Criminal Justice or related fields to prepare for federal or state-level law enforcement positions (i.e., FBI, DEA, INS, etc.)

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 105 | Diversity, Law and Justice | 3 |
| AJ 107 | Concepts Of Criminal Law | 3 |
| AJ 111 | Criminal Investigation | 3 |
| AJ 113 | Community Relations | 3 |
| Complete two courses from the following: | | 6 |
| AJ 103 | Legal Aspects Of Evidence and Procedure | |
| AJ 104 | Introduction to Corrections | |
| AJ 110 | Introduction To Forensics | |
| AJ 125 | Introduction To Criminology | |
| AJ 245 | Constitutional Law | |
| AJ 250 | The Study of Murder | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 265 | Crime and Human Behavior | |
| AJ 271 | The Study of Evil | |
| **Total Units** | | **24.00** |

## Learning Outcomes

1. Demonstrate an understanding of the American criminal justice system and the scope of responsibilities of the various local, state and federal law enforcement agencies beginning with arrest through parole.
2. Articulate the system's objectives, the crime problem, and role expectations of criminal justice personnel, and describe the various agencies and each subsystem within the system.
3. Describe the system's responsibilities to the community, factors in crime causation, the social implications of crime and communication barriers between the system and the community.
4. Articulate the differences between the major criminological theories of the causes of crime and how those theories relate to policies toward crime and criminal behavior.
5. Analyze legal concepts and make rational decisions about case processing.
6. Demonstrate knowledge of the rules of evidence, legal definitions and concepts of evidentiary law. Apply basic investigative proficiencies. Demonstrate critical thinking and analytical skills acquired in the

social sciences in preparation for continuance of college-level education.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Administration of Justice, Associate of Science (AS): Criminology Emphasis

## Overview

The School of Justice Studies Program is designed to qualify students for entry into the field of law, law enforcement, or corrections directly from Santa Barbara City College, as well as for those who desire two years of criminal justice study for transfer to a four-year university or law school.

California certificated instructors, with criminal justice and/or legal experience, teach all School of Justice Studies courses offered at Santa Barbara City College. Full college credit is granted for each course successfully completed, and a Certificate of Achievement or Associate in Science Degree is awarded upon completion of the respective program chosen.

The criminal justice system is a diversified occupational area with available employment opportunities on the federal, state, county and local levels: These include the Federal Bureau of Investigation, Department of Homeland Security, U.S. Border Patrol, California Highway Patrol, municipal police departments, county sheriff's departments, federal and state departments of correction, probation and parole, and forensics.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 125 | Introduction To Criminology | 3 |
| AJ 250 | The Study of Murder | 3 |
| AJ 265 | Crime and Human Behavior | 3 |
| Complete two courses from the following: | | 6 |
| AJ 103 | Legal Aspects Of Evidence and Procedure | |
| AJ 104 | Introduction to Corrections | |
| AJ 105 | Diversity, Law and Justice | |
| AJ 107 | Concepts Of Criminal Law | |
| AJ 110 | Introduction To Forensics | |
| AJ 111 | Criminal Investigation | |
| AJ 113 | Community Relations | |
| AJ 245 | Constitutional Law | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 271 | The Study of Evil | |
| PSY 170 | Abnormal Psychology | |
| SOC 106 | Sociology of Deviance | |
| SOC 109 | Social Problems | |
| **Total Units** | | **21.00** |

## Learning Outcomes

1. Explain the American criminal justice system and the scope of responsibilities of the various local, state, and federal law enforcement agencies.
2. Identify and describe the different methods used in measuring crime and criminal behavior patterns.
3. Articulate the differences between the major criminological theories of the causes of crime and how those theories relate to policies toward crime and criminal behavior.
4. Identify and discuss the legal, social, and political contexts of crime and punishment.
5. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Administration of Justice, Associate of Science (AS): Legal Studies Emphasis

## Overview

This course of study is designed to prepare students for entry level positions in municipal and county law enforcement agencies (i.e. police or sheriffs departments), and/or to transfer to Bachelor's degree programs in Criminal Justice or related fields to prepare for federal or state-level law enforcement positions (i.e., FBI, DEA, INS, etc.)

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (p. 70) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 103 | Legal Aspects Of Evidence and Procedure | 3 |
| AJ 105 | Diversity, Law and Justice | 3 |
| AJ 107 | Concepts Of Criminal Law | 3 |
| AJ 245 | Constitutional Law | 3 |
| Complete two courses from the following: | | 6-7 |
| AJ 104 | Introduction to Corrections | |
| AJ 110 | Introduction To Forensics | |
| AJ 111 | Criminal Investigation | |
| AJ 250 | The Study of Murder | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 265 | Crime and Human Behavior | |
| AJ 271 | The Study of Evil | |
| BLAW 101 | Business Law | |
| POLS 151 | Law And Society | |
| **Total Units** | | **24.00-25.00** |

## Learning Outcomes

1. Demonstrate an understanding of the American Criminal Justice system and the scope of responsibilities of the various local, state, and federal law enforcement agencies beginning with arrest through parole.
2. Articulate the system's objectives, the crime problem, and role expectations of criminal justice personnel, and describe the various agencies and each subsystem within the system.
3. Analyze legal concepts and make rational decisions about case processing. Demonstrate knowledge of the rules of evidence, legal definitions, and concepts of evidentiary law. Apply basic investigative proficiencies.
4. Analyze the role of the Constitution and judiciary in shaping society, the criminal justice system, and our system of government.
5. Examine the issues of judicial review and incorporation of the Bill of Rights and evaluate and assess the effect of the political process on Supreme Court interpretations.
6. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Administration of Justice, Associate in Science for Transfer (AS-T)

The School of Justice Studies (which houses the Administration of Justice Program) strives to provide our students with the legal, ethical, and educational background necessary to pursue a career in a criminal justice-related field and to successfully transition into a 4- year academic program. The criminal justice system is a diversified occupational area with available employment opportunities on the federal, state and county levels: Federal Bureau of Investigation, Department of Homeland Security, U.S. Border Patrol, California Highway Patrol, municipal police departments, county sheriff's departments, federal and state departments of correction, probation and parole.

The Associate in Science for Transfer degree in Administration of Justice provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| Required Core Courses | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 107 | Concepts Of Criminal Law | 3 |
| List A - Complete two courses from the following: | | 6 |
| AJ 103 | Legal Aspects Of Evidence and Procedure | |
| AJ 104 | Introduction to Corrections | |
| AJ 110 | Introduction To Forensics | |
| AJ 111 | Criminal Investigation | |
| AJ 113 | Community Relations | |
| List B - Complete two courses from the following: | | 6-9 |
| | Any course not taken in List A | |
| AJ 102 | Ethics In The Criminal Justice System | |
| AJ 105 | Diversity, Law and Justice | |
| AJ 125 | Introduction To Criminology | |
| AJ 245 | Constitutional Law | |
| AJ 250 | The Study of Murder | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 265 | Crime and Human Behavior | |
| AJ 271 | The Study of Evil | |
| ACCT 230 | Financial Accounting | |
| CIS 101 | Introduction to Computers and Information Systems | |
| ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| ERTH 141 & 141L | Physical Geography and Physical Geography Laboratory [1] | |
| or GEOG 101 & 101L | Physical Geography and Physical Geography Laboratory | |
| ERTH 171 & ERTH 172 | Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications [2] | |
| or GEOG 171 & GEOG 172 | Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications | |
| GEOG 102 | Human Geography | |
| MATH 114 | Mathematics for Liberal Arts Majors | |

| | | |
|---|---|---|
| MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| PHIL 205 | Introduction to Logic | |
| POLS 101 | American Government And Politics | |
| PSY 100 | General Psychology | |
| or PSY 100H | General Psychology, Honors | |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 109 | Social Problems | |
| SOC 115 | Introduction To Social Research | |
| **Total Units** | | **18.00-21.00** |

1   ERTH 141 & 141L are the same as GEOG 101 & 101L.
2   ERTH 171 & 172 are the same as GEOG 171 & 172.

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate an understanding of the American criminal justice system and the scope of responsibilities of the various local, state, and federal criminal justice agencies.
2. Analyze legal concepts and demonstrate knowledge of legal definitions and concepts of evidentiary law.
3. Demonstrate critical thinking and analytical skills acquired in the social/behavioral sciences in preparation for continuance of college-level education.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Administration of Justice, Certificate of Achievement (C): Criminology Emphasis

## Overview

This course of study is designed to prepare students for a career in law enforcement-related field (i.e., police officer, deputy sheriff, probation officer) and/or to transfer to Bachelor's degree programs in Criminology, Criminal Justice, or related fields.

## Requirements

### Certificate of Achievement Requirements

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 125 | Introduction To Criminology | 3 |
| AJ 250 | The Study of Murder | 3 |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |
| Complete two courses from the following: | | 6-7 |
| AJ 103 | Legal Aspects Of Evidence and Procedure | |
| AJ 104 | Introduction to Corrections | |
| AJ 105 | Diversity, Law and Justice | |
| AJ 107 | Concepts Of Criminal Law | |
| AJ 111 | Criminal Investigation | |
| AJ 113 | Community Relations | |
| AJ 245 | Constitutional Law | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 265 | Crime and Human Behavior | |
| AJ 271 | The Study of Evil | |
| PSY 170 | Abnormal Psychology | |
| SOC 104 | Social Psychology | |
| or PSY 175 | Social Psychology: Psychological Perspective | |
| SOC 106 | Sociology of Deviance | |
| SOC 109 | Social Problems | |
| SOC 115 | Introduction To Social Research | |
| or PSY 200 | Research Methods and Experimental Design in Psychology | |
| **Total Units** | | **24.00-27.00** |

## Learning Outcomes

1. Demonstrate an understanding of the American Criminal Justice system and the scope of responsibilities of the various local, state, and federal law enforcement agencies beginning with arrest through parole.
2. Describe the system's responsibilities to the community, factors in crime causation, the social implications of crime and communication barriers between the system and the community.
3. Articulate the differences between the major criminological theories of the causes of crime and how those theories relate to policies toward crime and criminal behavior.
4. Identify and describe the different methods used in measuring crime and criminal behavior patterns.
5. Identify and discuss the legal, social, and political contexts of crime and punishment.

6. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Administration of Justice, Certificate of Achievement (C): Law Enforcement Emphasis

## Overview

This course of study is designed to prepare students for entry level positions in municipal and county law enforcement agencies (i.e. police or sheriff departments), and/or to transfer to Bachelor's degree programs in Criminal Justice or related fields to prepare for federal or state-level law enforcement positions (i.e., FBI, DEA, INS, etc.)

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 105 | Diversity, Law and Justice | 3 |
| AJ 107 | Concepts Of Criminal Law | 3 |
| AJ 111 | Criminal Investigation | 3 |
| AJ 113 | Community Relations | 3 |
| Complete two courses from the following: | | 6 |
| AJ 103 | Legal Aspects Of Evidence and Procedure | |
| AJ 104 | Introduction to Corrections | |
| AJ 110 | Introduction To Forensics | |
| AJ 125 | Introduction To Criminology | |
| AJ 245 | Constitutional Law | |
| AJ 250 | The Study of Murder | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 265 | Crime and Human Behavior | |
| AJ 271 | The Study of Evil | |
| **Total Units** | | **24.00** |

## Learning Outcomes

1. Demonstrate an understanding of the American criminal justice system and the scope of responsibilities of the various local, state and federal law enforcement agencies beginning with arrest through parole.
2. Articulate the system's objectives, the crime problem, and role expectations of criminal justice personnel, and describe the various agencies and each subsystem within the system.
3. Describe the system's responsibilities to the community, factors in crime causation, the social implications of crime and communication barriers between the system and the community.
4. Articulate the differences between the major criminological theories of the causes of crime and how those theories relate to policies toward crime and criminal behavior.
5. Analyze legal concepts and make rational decisions about case processing. Demonstrate knowledge of the rules of evidence, legal definitions and concepts of evidentiary law. Apply basic investigative proficiencies.
6. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Administration of Justice, Certificate of Achievement (C): Legal Studies Emphasis

## Overview

This course of study is designed to prepare students for a career in law (i.e. legal assistant, court reporter) or a law enforcement-related field and/or to transfer to Bachelor's degree programs in Law, Criminal Justice or related fields and/or to qualify for admission to law school.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| AJ 101 | Introduction To The Administration Of Justice | 3 |
| AJ 102 | Ethics In The Criminal Justice System | 3 |
| AJ 103 | Legal Aspects Of Evidence and Procedure | 3 |
| AJ 105 | Diversity, Law and Justice | 3 |
| AJ 107 | Concepts Of Criminal Law | 3 |

| AJ 245 | Constitutional Law | 3 |
| --- | --- | --- |
| Complete two courses from the following: | | 6-7 |
| AJ 104 | Introduction to Corrections | |
| AJ 110 | Introduction To Forensics | |
| AJ 111 | Criminal Investigation | |
| AJ 250 | The Study of Murder | |
| AJ 255 | Terrorism And The Criminal Justice System | |
| AJ 265 | Crime and Human Behavior | |
| AJ 271 | The Study of Evil | |
| BLAW 101 | Business Law | |
| POLS 151 | Law And Society | |
| **Total Units** | | **24.00-25.00** |

# Learning Outcomes

1. Demonstrate an understanding of the American Criminal Justice system and the scope of responsibilities of the various local, state, and federal law enforcement agencies beginning with arrest through parole.
2. Articulate the system's objectives, the crime problem, and role expectations of criminal justice personnel, and describe the various agencies and each subsystem within the system.
3. Analyze legal concepts and make rational decisions about case processing. Demonstrate knowledge of the rules of evidence, legal definitions, and concepts of evidentiary law. Apply basic investigative proficiencies.
4. Analyze the role of the Constitution and judiciary in shaping society, the criminal justice system, and our system of government.
5. Examine the issues of judicial review and incorporation of the Bill of Rights and evaluate and assess the effect of the political process on Supreme Court interpretations.
6. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# School of Modern Languages

Languages are the key to the understanding and appreciation of value systems and social attitudes of different cultures. Furthermore, acquiring communication skills in other languages facilitates the exchange of ideas and transactions, and increases awareness, appreciation and understanding of cultural diversity.

The need for skills in other languages is evident on a daily basis. The global community has reached a level of human relations where languages skills are required for communication in all aspects of life. Whether for recreational purposes, business, or other endeavors such as politics, health, science, education, art, or government, learning another language is imperative.

On a practical level, learning a new language is an intellectual stimulus that helps the learner develop critical thinking and creative skills, while enhancing the individual's participation in traveling, reading of literature, appreciation of music, fashion, cuisine, cinema, and even sporting events. And last, but not least, opportunities for employment and higher salaries increase when another language is mastered because it gives a bilingual or multilingual person an edge to compete in the global economy.

# American Sign Language Courses

American Sign Language, or ASL, is the dominant sign language of Deaf Americans, including Deaf communities in the United States and in some regions of Canada and Mexico. It contains phonology, morphology, semantics, syntax and pragmatics just like spoken languages. It is both a manual and a visual language; the information is encoded with the shape and movement of the hands and other parts of the body and also with facial expressions, including mouth morphemes.

# French Program

The French Program offers a sequence of courses in the basic language skills of listening, speaking, reading and writing. On the intermediate level, courses are designed for specific needs: conversation, grammar review and literature. The Associate in Arts Degree may be obtained through French major.

# Spanish Program

The Spanish language courses, as an integral part of the humanities program, prepare students for transfer to a university with strong second language skills and knowledge about the Spanish speaking culture.

In addition to careers in education and business, Spanish provides occupational opportunities in all areas in which it is advantageous to be bilingual in English and Spanish. This skill is especially useful in California. Knowledge of Spanish may complement careers such as foreign service officer, foreign correspondent, travel agent, teacher, international banker, lawyer, export and import employee, legal secretary, receptionist, nurse, interpreter, social worker, government employee and medical doctor.

# Programs of Study

**Associate Degree for Transfer**

- Spanish, Associate in Arts for Transfer (AA-T) (p. 358)

**Associate Degrees**

- American Sign Language, Associate of Arts (AA) (p. 356)
- French, Associate of Arts (AA) (p. 357)
- Spanish, Associate of Arts (AA) (p. 358)

# American Sign Language, Associate of Arts (AA)
## Overview

The Associate in Arts in American Sign Language degree (A.A in American Sign Language) provides students with the foundational knowledge in ASL to prepare them for transfer to four-year universities that offer a baccalaureate program.

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| ASL 101 | Beginning American Sign Language I | 5 |
| ASL 102 | Beginning American Sign Language II | 5 |
| ASL 103 | Intermediate American Sign Language I | 5 |
| ASL 104 | Intermediate American Sign Language II | 5 |
| ASL 125 | American Deaf Culture and History | 4 |
| ASL 130 | Intermediate ASL Conversation I | 2 |
| Complete one course from the following: | | 2 |
| ASL 115 | Classifiers | |
| ASL 140 | Intermediate ASL Conversation II | |
| **Total Units** | | **28.00** |

## Learning Outcomes

1. Demonstrate competency in ASL expressive and receptive skills.
2. Demonstrate competency in visual gestural communication and finger-spelling.
3. Recognize what is required to support ASL as the visual language of the Deaf community.
4. Demonstrate a knowledge of the culture and cultural practices of the Deaf community.
5. Display appropriate sociolinguistic behaviors as proficient users of American Sign Language.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# French, Associate of Arts (AA)

## Overview

A study of French expands individual consciousness, contributes to understanding the history and development of many countries and provides the communication skills necessary for a variety of careers.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| FR 101 | Beginning French I | 5 |
| FR 102 | Beginning French II | 5 |
| FR 103 | Intermediate French I | 5 |
| FR 104 | Intermediate French II | 5 |
| FR 130 | Intermediate Conversation | 2 |
| or FR 140 | Intermediate Conversation | |
| Complete one course from the following or 4 units of another foreign language: | | 3-4 |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| HIST 104 | History of Western Civilization | |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors | |
| IBUS 102 | Introduction to International Business | |
| PHIL 201 | History of Philosophy: Modern | |
| PHIL 203 | History Of Philosophy: Contemporary | |
| POLS 121 | International Politics | |
| or POLS 121H | International Politics, Honors | |
| **Total Units** | | **25.00-26.00** |

## Learning Outcomes

1. Demonstrate high command of oral, visual and written communication skills in the target language.

2. Exchange ideas and interact effectively with speakers of the target language.

3. Discern and uphold the relevancy of cultural and linguistic diversity lived and expressed by the speakers of the target language.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Spanish, Associate of Arts (AA)
## Overview

Spanish, as an integral part of the humanities, prepares students for transfer to a university by teaching them new modes of expression and cultural attitudes.  It also perfects their knowledge and understanding of the structure of English.  A foreign language is a basic element of general education because it provides an opening to understanding and participating in the cultures of the world.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).

2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| SPAN 103 | Intermediate Spanish I | 5 |
| SPAN 104 | Intermediate Spanish II | 5 |
| SPAN 150 | Advanced Spanish | 4 |
| SPAN 160 | Advanced Spanish | 4 |
| Complete one course from the following: | | 3-5 |
| SPAN 132 | Introduction to Literary Analysis | |
| SPAN 139 | Contemporary Cultures Of Spain | |
| SPAN 146 | Intermediate Spanish for Native Speakers I | |
| SPAN 147 | Intermediate Spanish for Native Speakers II | |
| Complete one course from the following or one semester of another foreign language: | | 3-5 |
| ART 104 | History of Art, Renaissance to Modern | |
| or ART 104H | History Of Art, Renaissance To Modern, Honors | |
| IBUS 102 | Introduction to International Business | |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | |
| CHST 103 | Mexican-American (Chicano) Culture | |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | |
| CHST 114 | Borderlands Literature: U.S.-Mexico | |
| CHST 115 | Introduction To Mexican Literature | |
| HIST 133 | History of Latin America | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| PHIL 201 | History of Philosophy: Modern | |
| PHIL 203 | History Of Philosophy: Contemporary | |
| POLS 121 | International Politics | |
| or POLS 121H | International Politics, Honors | |
| **Total Units** | | **24.00-28.00** |

## Learning Outcomes

1. Demonstrate high command of oral, visual and written communication skills in the target language.

2. Exchange ideas and interact effectively with speakers of the target language.

3. Discern and uphold the relevancy of cultural and linguistic diversity lived and expressed by the speakers of the target language.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Spanish, Associate in Arts for Transfer (AA-T)

We live in a world of economic, industrial, technological and political interrelationships where skills in languages other than English are useful and needed. Languages are the key to the understanding and appreciation of value systems and social attitudes of different cultures. Furthermore, acquiring communication skills in other languages facilitates the exchange of ideas and transactions, and increases awareness, appreciation and understanding of cultural diversity. The need for skills in other languages is evident on a daily basis. The global community has reached a level of human relations where languages skills are required for communication in all aspects of life. Whether for recreational purposes, business, or other endeavors such as politics, health, science, education, art, or government, learning another language is imperative.

The Associate in Arts for Transfer degree in Spanish provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

# Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Required Core [1] | | |
| SPAN 101 | Beginning Spanish I | 5 |
| SPAN 102 | Beginning Spanish II | 5 |
| SPAN 103 | Intermediate Spanish I | 5 |
| or SPAN 146 | Intermediate Spanish for Native Speakers I | |
| SPAN 104 | Intermediate Spanish II | 5 |
| or SPAN 147 | Intermediate Spanish for Native Speakers II | |
| List A - Complete one course from the following: | | 3-5 |
| ACCT 230 | Financial Accounting | |
| CHST 115 | Introduction To Mexican Literature | |
| CIS 101 | Introduction to Computers and Information Systems | |
| COMM 101 | Introduction to Communication | |
| COMM 121 | Interpersonal Communication | |
| or COMM 121H | Interpersonal Communication, Honors | |
| COMM 235 | Argumentation and Debate | |
| ENG 111 | Critical Thinking and Composition Through Literature | |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors | |
| ENG 232 | World Literature: 17th Century to Present | |
| HIST 134 | History Of Latin America: 1800'S To Modern Period | |
| PHIL 111 | Critical Thinking And Writing In Philosophy | |
| SPAN 132 | Introduction to Literary Analysis | |
| SPAN 139 | Contemporary Cultures Of Spain | |
| SPAN 150 | Advanced Spanish | |
| SPAN 160 | Advanced Spanish | |
| **Total Units** | | **23.00-25.00** |

[1]  Refer to Substitution Courses for a list of approved course substitutions if a student places out of any core course(s).

**Substitution Courses**
If a student places out of any core course(s) and is not awarded units for that course, the student will need to take additional units to compensate for the course/units required to reach at least 18 total units in the major. Approved substitutions include courses in List A.  Additional approved course substitutions include the following:

| Code | Title | Units |
|------|-------|-------|
| **Substitution Courses** | | |
| ANTH 103 | Introduction To Cultural Anthropology | 3 |
| ANTH 104 | Language and Culture | 3 |
| CHST 101 | Mexican-American (Chicano) History In The U.S. | 3 |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present | 3 |
| CHST 103 | Mexican-American (Chicano) Culture | 3 |
| CHST 113 | Introduction to Chicano/Mexican-American Literature | 3 |
| CHST 114 | Borderlands Literature: U.S.-Mexico | 3 |
| COMM 151 | Intercultural Communication | 3 |
| ETHS 101 | The Immigrant Experience in the U.S. | 3-4 |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors | |
| ETHS/SOC 107 | Racism In America | 3 |
| GEOG 102 | Human Geography | 3 |
| HIST 135 | History of Mexico | 3 |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 113 | Sociology Of Sex and Gender | 3 |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Demonstrate high command of oral, visual and written communication skills in the target language.
2. Exchange ideas and interact effectively with speakers of the target language.
3. Discern and uphold the relevancy of cultural and linguistic diversity lived and expressed by the speakers of the target language.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# School of Nursing

The School of Nursing offers three programs that prepare students for various levels of nursing practice and nursing licensure.

**The Associate Degree in Nursing Program** prepares students to become competent entry-level professional registered nurses, lifelong learners and active community members. This program is approved by California State Board of Registered Nursing and accredited by Accreditation Commission for Education in Nursing. Graduates of this program are qualified to take the state board examination for licensure as registered nurses.

Visit the ADN Program website for more information: sbcc.edu/nursing/adn (https://www.sbcc.edu/nursing/adn/)

**The Vocational Nursing program** is a 3-semester course of study designed to provide the student with knowledge and skills to function as a Licensed Vocational Nurse (LVN) under the direction of a licensed registered nurse or a physician. The combined academic and clinical training prepares vocational nursing students to take the National Council Licensure Examination (NCLEX-PN) for licensure as a vocational nurse meeting the standards set by the California Board of Vocational Nursing and Psychiatric Technicians.

Licensed Vocational Nurses provide skilled nursing care in various healthcare settings such as skilled nursing facilities, assisted living facilities, residential care facilities, memory care units, home health agencies, schools, jails, clinics, outpatient surgery centers, and physicians' offices. Upon successful completion of the program, graduates receive a Certificate of Achievement in Vocational Nursing and are eligible to receive an Associate of Science Degree in Vocational Nursing if all college AS degree requirements are complete. articulation.sbcc.edu/uforms/fsbcc/sbccge.pdf (http://articulation.sbcc.edu/uforms/fsbcc/sbccge.pdf)

The Vocational Nursing program website contains further information about the course of study, program requirements, costs, application procedure, and information meetings sbcc.edu/nursing/vn/ (https://www.sbcc.edu/nursing/vn/)

**The Certified Nursing Assistant Program**: These program prepare students to give basic nursing care and learn how to care for the elderly through classroom and clinical experience.  Learn how to apply here. This program meets the requirements for the California

Certified Nursing Assistant and graduates are qualified to take the State Certification Exam.

Visit the CNA Program website for more information: sbcc.edu/nursing/cna/ (https://www.sbcc.edu/nursing/cna/)

# Programs of Study

### Associate Degrees

- Nursing (ADN), Associate of Science (AS) (p. 362)
- Vocational Nursing (VN), Associate of Science (AS) (p. 364)

### Certificate of Achievement

- Vocational Nursing (LVN), Certificate of Achievement (C) (p. 365)

### Skills Competency Awards

- Acute Care (CNA), Skills Competency Award (SCA) (p. 361)
- Certified Nursing Assistant (CNA), Skills Competency Award (SCA) (p. 361)
- Home Health Aide, Skills Competency Award (SCA) (p. 362)

# Acute Care (CNA), Skills Competency Award (SCA)

## Overview

The Dorothy D. Rupe CNA/HHA Program prepares men and women to give basic nursing care under the direction of a licensed nurse. The focus of this program is on care of the elderly, including both classroom and clinical experiences. This program meets the requirements for the California Certified Nursing Assistant. Upon successful completion of CNA 101, the student is qualified to take the California State Certification Exam.

In addition to the policies and standards of Santa Barbara City College, the Health Technologies programs have policies and requirements based on professional standards and guidelines of their individual regulating state and national accrediting boards. These additional policies and requirements are in the handbooks for the individual programs.

## Requirements

### Skills Competency Award Requirements

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| CNA 103 | Acute Care Skills For The CNA | 1.5 |
| **Total Units** | | **1.50** |

## Learning Outcomes

1. Recognize deviations from normal and report to RN.
2. Care for patients who have various "tubes" into and out of the body.
3. Assist patients who have had surgical procedures.
4. Recognize life-compromising conditions and report to RN.

# Certified Nursing Assistant (CNA), Skills Competency Award (SCA)

### Prerequisites

- Applicants must take the SBCC Assessment Test in English and qualify for eligibility for English 70 and 80. Students should make an appointment with program coordinator if they are not eligible for English 70 and 80.
- Each student must have a current CPR for health care provider or professional rescuer certificate.
- Physical Exam and proof of immunizations required.
- Social security card (copied by staff) per Department of Social Services.

### Application Procedure

- Obtain an application from the Santa Barbara City College Health Technologies Office (Room A-218).
- Complete assessment testing at SBCC.
- Submit completed Application and Assessment test results to the Health Technologies Office.

### Acceptance Procedure

- Before the first class, turn in to the Health Technologies Office the required PHYSICAL EXAM (on the SBCC form) with all immunizations up to date.

Students will be accepted on a first come, first served basis after the following items are received: physical exam, CPR, social security card, completed fingerprint card and criminal clearance, if applicable. Once a class is full, students are placed on a wait list.

*NOTICE: Nurse Assistants might NOT be certified by the state of California if convicted of a Penal Code Violation. Prior clearance must be obtained before entering the program if the student has had a Penal Code Violation. Additional information will be given at the scheduled information meeting. Fingerprinting is required.*

## Requirements

### Skills Competency Award Requirements

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| CNA 101 | Certified Nursing Assistant | 6 |
| **Total Units** | | **6.00** |

## Learning Outcomes

1. Identify the ethical and legal behavior required of the Certified Nursing Assistant.
2. Demonstrate principles of infection control in the Long Term Care setting.
3. Verbalize understanding of normal and abnormal ranges of vital signs.

4. Verbalize importance of accurate documentation of food and fluid intake.

# Home Health Aide, Skills Competency Award (SCA)

## Overview

The Dorothy D. Rupe CNA/HHA Program prepares men and women to give basic nursing care under the direction of a licensed nurse. The focus of this program is on care of the elderly, including both classroom and clinical experiences. This program meets the requirements for the California Certified Nursing Assistant. Upon successful completion of CNA 101, the student is qualified to take the California State Certification Exam.

In addition to the policies and standards of Santa Barbara City College, the Health Technologies programs have policies and requirements based on professional standards and guidelines of their individual regulating state and national accrediting boards. These additional policies and requirements are in the handbooks for the individual programs.

## Requirements

**Skills Competency Award Requirements**

Complete all department requirements with a "C" or higher or "P" in each course. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| CNA 102 | Home Health Aide | 1.8 |
| **Total Units** | | **1.80** |

## Learning Outcomes

1. Communicate clearly with other staff members and patients
2. Work effectively with families.
3. Follow nursing and physician care directions.
4. Clearly record pertinent information.
5. Identify health and safety issues and report to nursing supervisor.

# Nursing (ADN), Associate of Science (AS)

## Overview

The Registered Nursing Program is offered for qualified men and women to prepare for staff nurse positions in hospitals and similar health agencies. It is approved by the California State Board of Registered Nursing (BRN) and is accredited by the Accreditation Commission for Education in Nursing (ACEN). Graduation from SBCC with an Associate Degree and a major in Nursing qualifies graduates to take the State Board Examination for licensure as a registered nurse.

The program includes progression through a four semester course of study in preparation for RN licensure. Nursing courses offered on campus are integrated with clinical nursing experience in community hospitals and health agencies. Advanced placement is dependent on past experience, clinical competence and knowledge of nursing content. A nursing course may be challenged based on a student's prior education

or experience in accordance with college policy. Completion of the program requires a "C" minimum in all required and support courses, and a 2.0 average in all coursework taken at SBCC.

A separate application to the ADN program is required. Applications are available on the SBCC School of Nursing web page. Official High School transcripts or GED results, official college transcripts showing completion of program prerequisites, and official college transcripts from all colleges attended must be submitted to the Health Technologies Office. Information meetings regarding application, curriculum, etc. are held one time each month during the school year. Please see the SBCC ADN website for dates and times.

## Requirements ADN

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 50% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (https://drive.google.com/file/d/1jfSXTkKl7ddiQRvmp03JwvyNjwWZ3YkR/view/?usp=sharing) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (https://drive.google.com/file/d/1aKzb7xffuzt3yGKpI3PD2dOpz_Sa27H2/view/?usp=sharing) Pattern OR
   c. OPTION 3: CSU GE Breadth (https://drive.google.com/file/d/11e2MtfgMR5VEY6v157zSMWDLXzhnYQZn/view/?usp=sharing) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

**Program Prerequisites:** Required before admission

- Overall grade point average (GPA) of 2.0
- English 110 or 110H with a "C" or better
- Biomedical Sciences 107 with a "C" or better within 7 years
- Biomedical Sciences 108 with a "C" or better within 7 years
- Biomedical Sciences 127 or 157 with a "C" or better within 7 years (Note: Chemistry 101 or 104 is a prerequisite for BMS 127 – Medical Microbiology and for BMS 157 – General Microbiology)
- A minimum composite score of 62% on the Test of Essential Academic Skills (TEAS)
- Once accepted, satisfactory physical examination and current immunizations must be submitted

| Code | Title | Units |
|---|---|---|
| **Department Requirements**[**] | | |
| Semester 1 | | |
| NURS 161 | Pharmacology Nursing | 1.5 |

| NURS 162 | Introduction to Medical-Surgical Nursing I | 8 |
|---|---|---|
| Semester 2 | | |
| NURS 163 | Beginning Medical Surgical II | 6 |
| NURS 165 | Mental Health Nursing | 2.5 |
| Semester 3 | | |
| NURS 166 | Intermediate Medical-Surgical Nursing III | 5.5 |
| NURS 167 | Maternal Newborn and Pediatric Nursing | 4 |
| Semester 4 | | |
| NURS 168 | Advanced Medical-Surgical Nursing IV | 5 |
| NURS 169 | Gerontology-Community Nursing | 1.5 |
| NURS 172 | Transition to Professional Nurse Practice | 2 |
| **Total Units** | | **36.00** |

** For students entering the ADN program without LVN license.

| Code | Title | Units |
|---|---|---|
| **Other Course Requirements for Graduation from the Nursing program [RN]** | | |
| COMM 121 | Interpersonal Communication [BSN, 1] | 3 |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| or COMM 131 | Fundamentals Of Public Speaking | |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| SOC 101 | Introduction To Sociology [BSN, 2] | 3 |
| or SOC 101H | Introduction to Sociology, Honors | |
| or SOC 113 | Sociology Of Sex and Gender | |

RN   These courses must be completed with a C or better to graduate and to qualify to take the California State Board Exam for RN (N-CLEX)

BSN  For transfer to a BSN program, the following courses are recommended: COMM 131 or 131H and SOC 101 or 101H or check individual BSN program for options.

[1]   COMM 141 was approved by Nursing as a substitute to meet the Communication requirement in lieu of COMM 121, 121H, 122, 131 or 131H.

[2]   ANTH 103 was approved by Nursing as a substitute to meet the Sociology requirement in lieu of SOC 101 or 101H or 113.

Note: Students who earned a bachelor's degree from a regionally accredited institution AND who are following the SBCC General Education Option (not IGETC or CSU GE) are exempt from taking the following general education areas: Area C (Humanities), Area E2 (American Institutions), Area E3 (Physical/Health Education), Area E5 (Multicultural/Gender Studies), Area F (Information Competency).

# Requirements LVN to ADN

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 50% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (https://drive.google.com/file/d/1jfSXTkKl7ddiQRvmp03JwvyNjwWZ3YkR/view/?usp=sharing) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (https://drive.google.com/file/d/1aKzb7xffuzt3yGKpI3PD2dOpz_Sa27H2/view/?usp=sharing) Pattern OR
   c. OPTION 3: CSU GE Breadth (https://drive.google.com/file/d/11e2MtfgMR5VEY6v157zSMWDLXzhnYQZn/view/?usp=sharing) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

**Program Prerequisites:** Required before admission

- Overall grade point average (GPA) of 2.0
- English 110 or 110H with a "C" or better
- Biomedical Sciences 107 with a "C" or better within 7 years
- Biomedical Sciences 108 with a "C" or better within 7 years
- Biomedical Sciences 127 or 157 with a "C" or better within 7 years (Note: Chemistry 101 or 104 is a prerequisite for BMS 127 – Medical Microbiology and for BMS 157 – General Microbiology)
- A minimum composite score of 62% on the Test of Essential Academic Skills (TEAS)
- Once accepted, satisfactory physical examination and current immunizations must be submitted

| Code | Title | Units |
|---|---|---|
| **Department Requirements [**] | | |
| Semester 1 | | |
| NURS 119 | Introduction to RN for the LVN | 4 |
| NURS 165 | Mental Health Nursing | 2.5 |
| Semester 2 | | |
| NURS 166 | Intermediate Medical-Surgical Nursing III | 5.5 |
| NURS 167 | Maternal Newborn and Pediatric Nursing | 4 |
| Semester 3 | | |
| NURS 168 | Advanced Medical-Surgical Nursing IV | 5 |
| NURS 169 | Gerontology-Community Nursing | 1.5 |
| NURS 172 | Transition to Professional Nurse Practice | 2 |
| **Total Units** | | **24.50** |

** For students entering the ADN program with LVN license.  LVN to ADN students start the program with the Semester 2 ADN cohort. During their first semester in the program, LVN to ADN students complete NURS 119 and NURS 165. During their second and third semesters in the program,

LVN to ADN students complete the same courses as the students in Semesters 3 and 4 of the ADN cohort .

| Code | Title | Units |
|---|---|---|
| **Other Course Requirements for Graduation from the Nursing program** [RN] | | |
| COMM 121 | Interpersonal Communication [BSN, 1] | 3 |
| or COMM 121H | Interpersonal Communication, Honors | |
| or COMM 122 | Mediated Interpersonal Communication | |
| or COMM 131 | Fundamentals Of Public Speaking | |
| or COMM 131H | Fundamentals Of Public Speaking, Honors | |
| PSY 100 | General Psychology | 3-4 |
| or PSY 100H | General Psychology, Honors | |
| SOC 101 | Introduction To Sociology [BSN, 2] | 3 |
| or SOC 101H | Introduction to Sociology, Honors | |
| or SOC 113 | Sociology Of Sex and Gender | |

RN   These courses must be completed with a C or better to graduate and to qualify to take the California State Board Exam for RN (N-CLEX).

BSN   For transfer to a BSN program, the following courses are recommended: COMM 131 or 131H and SOC 101 or 101H or check individual BSN program for options.

1    COMM 141 was approved by Nursing as a substitute to meet the Communication requirement in lieu of COMM 121, 121H, 122, 131 or 131H.

2    ANTH 103 was approved by Nursing as a substitute to meet the Sociology requirement in lieu of SOC 101 or 101H or 113.

Note: Students who earned a bachelor's degree from a regionally accredited institution AND who are following the SBCC General Education Option (not IGETC or CSU GE) are exempt from taking the following general education areas: Area C (Humanities), Area E2 (American Institutions), Area E3 (Physical/Health Education), Area E5 (Multicultural/ Gender Studies), Area F (Information Competency).

## Learning Outcomes

1. Evaluate nursing care provided to patients, families, groups, populations, and communities from diverse backgrounds in a variety of settings to ensure that it is compassionate, age and culturally appropriate and based on a patient's preferences, values and needs.

2. Collaborate with members of the inter-professional health care team to manage and coordinate the provision of safe, quality care for patients, families, and groups.

3. Demonstrate use of best current evidence and clinical expertise when making clinical decisions in the provision of patient-centered care.

4. Utilize evidence-based quality improvement processes to effect change in the delivery of patient- centered care.

5. Demonstrate effective use of strategies to mitigate errors and reduce the risk of harm to patients, self, and others in healthcare, home, and community settings.

6. Utilize evidence-based information and patient care technology to communicate relevant patient information, manage care and mitigate error in the provision of safe, quality patient-centered care.

7. Assimilate integrity and accountability into practices that uphold established regulatory, legal, and ethical principles while providing patient-centered, standard-based nursing care.

8. Utilize leadership, management and priority-setting skills in the provision and management of safe, quality patient-centered care.

9. Utilize verbal and nonverbal communication strategies with patients, families, and groups from diverse backgrounds that promote an effective exchange of information and the development of therapeutic relationships.

# Vocational Nursing (LVN), Associate of Science (AS)

## Overview

The Vocational Nursing program prepares applicants to practice as competent, compassionate and ethical Licensed Vocational Nurses (LVNs). The program provides a high quality vocational education program which is sensitive to the diverse needs of our students and our community. We facilitate educational access and academic excellence through a learner-centered nursing program, and prepare students to successfully pass the National Licensing Exam (NCLEX PN) and to practice Vocational Nursing in a variety of health-related settings: skilled nursing facilities, assisted living facilities, Residential care facilities, memory-care units, sub-acute care units, hospice and home health agencies, school districts, jails, clinics, surgery centers and physician's offices.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 35% of the department requirements must be completed through SBCC).

2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern

3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).

4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.

5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.

6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Prior to first semester | | |
| BMS 100 | The Human Body | 4-8 |
| or BMS 107 & BMS 108 | Human Anatomy and Human Physiology | |
| Qualifying score on TEAS reading exam | | |
| Qualifying score on TEAS math exam or | | 0-5 |
| MATH 107 | Intermediate Algebra | |
| First Semester | | |
| VN 161 | Fundamentals for Nursing Practice [1] | 5 |
| VN 162 | Care of the Older Adult | 1.5 |
| VN 163 | Pharmacology for Nurses | 3 |

| VN 164 | Nursing Practicum I | 6 |
| Second Semester | | |
| VN 165 | Medical Surgical Nursing I | 3 |
| VN 166 | Medical Surgical Nursing II | 3.5 |
| VN 167 | Nursing Care of Children | 2 |
| VN 168 | Mental Health Nursing | 1 |
| VN 169 | Nursing Practicum II | 6 |
| Third Semester | | |
| VN 170 | Medical Surgical Nursing III | 3.5 |
| VN 171 | Medical Surgical Nursing IV | 3.5 |
| VN 172 | Maternal Newborn Nursing | 1.5 |
| VN 173 | Preparation for Professional Vocational Nursing Practice | 1.5 |
| VN 174 | Nursing Practicum III | 6 |
| **Total Units** | | **51.00-60.00** |

[1]  CNA 101 (Certified Nursing Assistant) is a prerequisite to VN 161.

## Learning Outcomes

1. Function within the scope of practice of the LVN, as outlined by the California Board of Vocational Nurses and Psychiatric Technicians.
2. Apply the nursing process to practice by collaboratively assessing, planning, implementing and evaluating nursing care.
3. Practice within professional and legal standards, ethical principles and demonstrate sensitivity to the cultural differences of patients.
4. Apply principles of oral, written and verbal communication to convey relevant, accurate and complete information.
5. Demonstrate the art and science of professional caring incorporating professional values and client advocacy.
6. Be prepared to take the NCLEX-PN licensing examination

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Vocational Nursing (LVN), Certificate of Achievement (C)

## Overview

The Vocational Nursing program prepares applicants to practice as competent, compassionate and ethical Licensed Vocational Nurses (LVNs). The program provides a high quality vocational education program which is sensitive to the diverse needs of our students and our community. We facilitate educational access and academic excellence through a learner-centered nursing program, and prepare students to successfully pass the National Licensing Exam (NCLEX PN) and to practice Vocational Nursing in a variety of health-related settings: skilled nursing facilities, assisted living facilities, Residential care facilities, memory-care units, sub-acute care units, hospice and home health agencies, school districts, jails, clinics, surgery centers and physician's offices.

# Requirements

### Certificate of Achievement Requirements

Students must earn a "C" or better or "P" in all courses required for the major.  Candidates for a Certificate of Achievement are required to complete at least 35% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements:** | | |
| Prior to first semester | | |
| BMS 100 | The Human Body | 4-8 |
| or BMS 107 & BMS 108 | Human Anatomy and Human Physiology | |
| Qualifying score on TEAS reading exam | | |
| Qualifying score on TEAS math exam or | | 0-5 |
| MATH 107 | Intermediate Algebra | |
| First Semester | | |
| VN 161 | Fundamentals for Nursing Practice [1] | 5 |
| VN 162 | Care of the Older Adult | 1.5 |
| VN 163 | Pharmacology for Nurses | 3 |
| VN 164 | Nursing Practicum I | 6 |
| Second Semester | | |
| VN 165 | Medical Surgical Nursing I | 3 |
| VN 166 | Medical Surgical Nursing II | 3.5 |
| VN 167 | Nursing Care of Children | 2 |
| VN 168 | Mental Health Nursing | 1 |
| VN 169 | Nursing Practicum II | 6 |
| Third Semester | | |
| VN 170 | Medical Surgical Nursing III | 3.5 |
| VN 171 | Medical Surgical Nursing IV | 3.5 |
| VN 172 | Maternal Newborn Nursing | 1.5 |
| VN 173 | Preparation for Professional Vocational Nursing Practice | 1.5 |
| VN 174 | Nursing Practicum III | 6 |
| **Total Units** | | **51.00-60.00** |

[1]  CNA 101 (Certified Nursing Assistant) is a prerequisite to VN 161.

## Learning Outcomes

1. Function within the scope of practice of the LVN, as outlined by the California Board of Vocational Nurses and Psychiatric Technicians.
2. Apply the nursing process to practice by collaboratively assessing, planning, implementing and evaluating nursing care.
3. Practice within professional and legal standards, ethical principles and demonstrate sensitivity to the cultural differences of patients.
4. Apply principles of oral, written and verbal communication to convey relevant, accurate and complete information.
5. Demonstrate the art and science of professional caring incorporating professional values and client advocacy.
6. Be prepared to take the NCLEX-PN licensing examination

# Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Sociology

Sociology is the scientific study of society and social life, and as such, looks at a diverse range of topics concerning the social causes and consequences of human behavior. Sociologists examine the structure of groups, organizations and societies as a whole, as well as how people act and interact within those social contexts. Sociology is a rapidly evolving discipline that is particularly well suited to addressing issues and problems in a complex contemporary world.

Sociology can help students to gain a better understanding of themselves and the society of which they are a part. The field features a range of theoretical approaches that can generate new ideas, stimulate debate and challenge taken-for-granted notions about the nature of social reality and the status quo. The field also offers a range of research methodologies that allow for systematic and scientific investigation of social phenomena, rather than using common sense, propaganda, opinion or other such subjective explanations for human behavior.

Sociological theories and methods can be applied to studying virtually any aspect of social life: culture and technology; crime and deviance; politics and economics; the self and socialization; family and group dynamics; class, race and gender; social movements and social change.

## Programs of Study

**Associate Degree for Transfer**

- Sociology, Associate in Arts for Transfer (AA-T) (p. 367)

**Associate Degree**

- Sociology, Associate of Arts (AA) (p. 366)

# Sociology, Associate of Arts (AA)

## Overview

Sociology is the study of society and everyday life, and as such, looks at a wide range of topics concerning social structure and human behavior. Sociological theories and methods can be applied to studying virtually any aspect of social life: culture and technology; crime and deviance; politics and economics; the self and socialization; family and group dynamics; class, race and gender; social movements and social change.

Sociology is a dynamic discipline that is particularly well suited to understanding the nature of social reality, and addressing issues in an evolving and complex contemporary world. The Sociology major is designed to provide a strong foundation for students interested in learning the basic tools of sociology, including social theories and research methods, and how to apply them to an analysis of practically any area of social life. Sociology provides a broad foundation that prepares students for a variety of career paths

# Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| SOC 101 | Introduction To Sociology | 3-4 |
| or SOC 101H | Introduction to Sociology, Honors | |
| Complete two courses from the following: | | 6 |
| SOC 104 | Social Psychology | |
| SOC 106 | Sociology of Deviance | |
| SOC 109 | Social Problems | |
| Complete three courses not used above from the following: | | 9-11 |
| ANTH 103 | Introduction To Cultural Anthropology | |
| GEOG 102 | Human Geography | |
| SOC 103 | Marriage, Family and Intimacy | |
| SOC 104 | Social Psychology | |
| SOC 106 | Sociology of Deviance | |
| SOC 107 | Racism in America | |
| or ETHS 107 | Racism In America | |
| SOC 109 | Social Problems | |
| SOC 113 | Sociology Of Sex and Gender | |
| SOC 115 | Introduction To Social Research | |
| SOC 118 | Media, Culture and Society | |
| SOC 120 | Introduction to Social Work | |
| SOC 125 | Introduction to Statistics in Sociology | |
| or MATH 117 | Elementary Statistics | |
| or PSY 150 | Statistics for the Behavioral Sciences | |
| SOC 127 | Introduction to Women's Studies | |
| PHIL 101 | Introduction to Ethics | |
| or PHIL 101H | Introduction To Ethics, Honors | |
| HIST 101 | History of the U.S. to 1877 | |
| HIST 102 | History of the U.S. Since 1865 | |
| or HIST 102H | History Of The U.S. Since 1865, Honors | |

| POLS 101 | American Government And Politics | |
| --- | --- | --- |
| **Total Units** | | **18.00-21.00** |

## Learning Outcomes

1. Explain the major theoretical perspectives in sociology and apply them to the analysis of social phenomena.
2. Describe the key concepts associated with one or more substantive areas of the discipline, and apply them to an analysis of social phenomena.
3. Analyze the role of social forces in shaping the individual.
4. Explain how individuals create and sustain society through collective action.
5. Define the role of social institutions in society.
6. Explain how structures and processes of social inequality across such dimensions as class, race and gender influence the life experiences of individuals.
7. Utilize a variety of research methods to collect data and to produce original written work, according to social scientific standards.
8. Discuss the ethical standards that guide research in the social sciences.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

## Sociology, Associate in Arts for Transfer (AA-T)

Sociology is the study of society and social life, and as such, looks at a diverse range of topics concerning the social causes and consequences of human behavior. Sociologists examine the structure of groups, organizations and societies as a whole, as well as how people act and interact within those social contexts. Sociology is a rapidly evolving and ever expanding discipline that is particularly well suited to addressing issues and problems in a fast-paced and complex contemporary world. Sociology provides many distinctive perspectives on the social world that can help students to gain a better understanding of themselves and the society of which they are a part. The field features a range of theoretical approaches that can generate new ideas, stimulate debate and challenge taken-for-granted notions about the nature of social reality and the status quo. The field also offers a range of research methodologies that allow for systematic and scientific investigation of social phenomena, rather than using common sense, propaganda, opinion or other such subjective explanations for human behavior. Sociological theories and methods can be applied to studying virtually any aspect of social life: culture and technology; crime and deviance; politics and economics; the self and socialization; family and group dynamics; class, race and gender; social movements and social change.

The Associate in Arts for Transfer degree in Sociology provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| Required Core | | 10-11 |
| SOC 101 | Introduction To Sociology | |
| or SOC 101H | Introduction to Sociology, Honors | |
| SOC 109 | Social Problems | |
| PSY 150 | Statistics for the Behavioral Sciences | |
| or MATH 117 | Elementary Statistics | |
| or SOC 125 | Introduction to Statistics in Sociology | |
| List A - Complete two courses from the following: | | 6-7 |
| ETHS/SOC 107 | Racism In America | |
| SOC 103 | Marriage, Family and Intimacy | |
| SOC 104 | Social Psychology | |
| or PSY 175 | Social Psychology: Psychological Perspective | |
| SOC 106 | Sociology of Deviance | |
| SOC 113 | Sociology Of Sex and Gender | |
| SOC 115 | Introduction To Social Research | |
| SOC 127 | Introduction to Women's Studies | |
| List B - Complete one course from the following: | | 3-5 |
| Any List A course not used above | | |
| ACCT 230 | Financial Accounting | |
| AJ 105 | Diversity, Law and Justice | |
| ANTH 103 | Introduction To Cultural Anthropology | |
| ANTH 109 | Comparative World Cultures | |
| ANTH 113 | Witchcraft, Magic, Science And Religion | |
| ASAM 101 | Comparative Asian-American History, 1849-1965 | |
| ASAM 102 | Contemporary Asian-American History | |
| ASL 125 | American Deaf Culture and History | |
| BLAW 101 | Business Law | |
| BLAW 110 | Legal Environment of Business | |
| BLST 101 | The African-American In U.S. History To World War II | |

| | |
|---|---|
| BLST 102 | The African-American In U.S. History, From Civil Rights Movement To Present |
| or BLST 102H | The African-American in U.S. History, from Civil Rights to Present, Honors |
| BLST 103 | African-American Culture |
| BUS 101 | Introduction To Business |
| CHST 101 | Mexican-American (Chicano) History In The U.S. |
| CHST 102 | The Chicano And Latino In U.S. History, From The 1960's To The Present |
| CHST 103 | Mexican-American (Chicano) Culture |
| CHST 115 | Introduction To Mexican Literature |
| CHST 121 | The Chicana And Other Latina Women |
| CIS 101 | Introduction to Computers and Information Systems |
| COMM 151 | Intercultural Communication |
| COMM 161 | Communication in Organizations |
| ECE 102 | Child, Family and Community |
| ECON 102 | Macroeconomics |
| or ECON 102H | Macroeconomics, Honors |
| ENG 111 | Critical Thinking and Composition Through Literature |
| or ENG 111H | Critical Thinking and Composition Through Literature, Honors |
| or PHIL 111 | Critical Thinking And Writing In Philosophy |
| or COMM 235 | Argumentation and Debate |
| ENG 226 | American Literature: 1865-present |
| or ENG 226H | American Literature, Honors |
| ENVS/HIST 112 | American Environmental History |
| ENVS/ERTH 115 | Environmental Geology |
| ETHS 101 | The Immigrant Experience in the U.S. |
| or ETHS 101H | The Immigrant Experience in the U.S., Honors |
| ETHS 103 | The American Ethnic Cultural Experience |
| ETHS 109 | U.S.-Mexico And Other Borderlands |
| ETHS 110 | Contemporary Ethnic Communities |
| ETHS 120 | Race, Ethnicity and Social Movements in the United States |
| ETHS 121 | Women of Color In The U.S. |
| ETHS 122 | Arab-American/Middle Eastern Women In The U.S. |
| GEOG 102 | Human Geography |
| GEOG 105/ ERTH 142 | Economic Geography |
| GEOG 106 | Geography Of California |
| GLST 101 | Introduction to Global Studies |
| GLST 102 | Global Problems |
| HIST 101 | History of the U.S. to 1877 |
| HIST 102 | History of the U.S. Since 1865 |
| or HIST 102H | History Of The U.S. Since 1865, Honors |
| HIST 103 | History of Western Civilization |
| or HIST 107 | World Civilization, Beginnings to 1550 |

| | |
|---|---|
| HIST 104 | History of Western Civilization |
| or HIST 113H | History Of Western Civilization: 1600 To Present, Honors |
| HIST 108 | World Civilization, 1550 to Present |
| HIST 110 | History of American Women |
| or HIST 110H | History Of American Women (Honors) |
| HIST 133 | History of Latin America |
| NATA 101 | American Indian: Past and Present |
| NATA 102 | The Native American In 20th Century Society |
| NATA 103 | Native American Cultural Heritage |
| NATA 104 | California Indians |
| NATA 105 | California Tribes: The Chumash |
| PHIL 101 | Introduction to Ethics |
| or PHIL 101H | Introduction To Ethics, Honors |
| PHIL 102 | Comparative World Religions |
| PHIL 205 | Introduction to Logic |
| POLS 101 | American Government And Politics |
| POLS 104 | American Government: Policy Issues/ Process |
| POLS 110 | Politics, Society And The Mass Media |
| POLS 121 | International Politics |
| or POLS 121H | International Politics, Honors |
| POLS 122 | International Organizations: Global and Regional Governance |
| POLS 131 | Comparative Politics |
| POLS 132 | Political Thinking |
| POLS 134H | Political Violence, Honors |
| POLS 151 | Law And Society |
| PSY 100 | General Psychology |
| or PSY 100H | General Psychology, Honors |
| PSY 110 | Introduction to Physiological Psychology |
| PSY 120 | Introduction To Psychology |
| PSY 140 | Child Development |
| PSY 145 | Human Development |
| PSY 170 | Abnormal Psychology |
| SOC 110 | Culture and Society Through Cartoons |
| or ANTH 110 | Culture and Society Through Cartoons |
| SOC 118 | Media, Culture and Society |
| SOC 120 | Introduction to Social Work |
| SS 101 | Introduction to the Social Sciences |

| | |
|---|---|
| **Total Units** | **19.00-23.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

*\* Updated on October 10, 2018. Due to an error, this degree was updated after the original catalog publication.*

## Learning Outcomes

1. Explain the major theoretical perspectives in sociology and apply them to the analysis of social phenomena.

2. Describe the key concepts associated with one or more substantive areas of the discipline, and apply them to an analysis of social phenomena.
3. Analyze the role of social forces in shaping the individual.
4. Explain how individuals create and sustain society through collective action.
5. Define the role of social institutions in society.
6. Explain how structures and processes of social inequality across such dimensions as class, race and gender influence the life experiences of individuals.
7. Utilize a variety of research methods to collect data and to produce original written work, according to social scientific standards.
8. Discuss the ethical standards that guide research in the social sciences.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Theatre Arts

The Theatre Arts Department offers a variety of programs of study suited to the needs of the serious theatre student, as well as for students wishing to include theatre arts as part of their college education. With classes in Acting/Directing, Design/Lighting, Costuming/Make-up and Technical Production, the program provides an intensive two-year course of study that prepares Theatre Arts majors for transfer to a four-year university or immediate entry into the entertainment industry. No audition, experience or special application is required for admission to the program, and courses are offered at all levels of expertise.

Theatre is an art form embodying the idea of human stories communicated by actors and supported by light, sound and physical elements including sets and costumes performed before a live audience. Theatre provides an emotionally affecting and transformative experience for participants and audience alike.  Studying the art of theatre promotes creativity, a nimble mindset, collaboration, and the ability to complete significant projects. The skills taught translate to jobs in a variety of fields including in the theatre, film, television, event industries and any career that involves teamwork and creative collaboration. Hands-on practical experience is stressed through a wide-ranging production program. Students have the opportunity of working in all phases of production and performance.

## Programs of Study

**Associate Degree for Transfer**

• Theatre Arts, Associate in Arts for Transfer (AA-T) (p. 375)

**Associate Degrees**

• Theatre Arts, Associate of Arts (AA): Acting (p. 372)
• Theatre Arts, Associate of Arts (AA): Design/Lighting and/or Costuming/Makeup (p. 373)
• Theatre Arts, Associate of Arts (AA): General (p. 374)

• Note: SBCC also offers and Dance, Associate of Arts (AA) through the Physical Education/Dance/Athletics (p. 327) department

**Certificates of Achievement**

• Acting Level One, Certificate of Achievement (C) (p. 369)
• Acting Level Two, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/theatre-arts/acting-level-ii-certificate-achievement/)
• Costume Crafts and Design, Certificate of Achievement (C) (p. 370)
• Technical Production, Certificate of Achievement (C) (p. 371)
• Theatre Arts, Certificate of Achievement (C) (https://catalog.sbcc.edu/academic-departments/art/theatre-arts-certificate-achievement/)

# Acting Level One, Certificate of Achievement (C)

The Certificate of Achievement in Acting Level One is awarded to a student who has completed a beginning level series of acting and related courses in preparation for a career in theatre and related entertainment industries. This Certificate of Achievement will better prepare a student secure a job in the professional theatre industry. Acting opportunities exist on the stage, in film, television, themed entertainment, commercials, industrials, corporate business theatre and the video game industry. After successfully completing this certificate a student could be hired as a stage manager, actor, playwright, crew member in the film and/or television industry, production assistant, casting assistant or general theatre technician.

# Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
| --- | --- | --- |
| **Department Requirements** | | |
| TA 103 | Theatre Appreciation | 3 |
| or TA 106 | Development of Drama - Musical Theatre | |
| or TA 107 | Development Of Drama: Greek to Renaissance | |
| or TA 108 | Development Of Drama II: Restoration To Contemporary | |
| TA 111 | Beginning Acting | 3 |
| TA 112 | Intermediate Acting A | 3 |
| TA 114 | Voice and Diction | 3 |
| TA 136 | Theatrical Makeup Techniques | 3 |
| Complete a minimum of one unit from the following: | | 1-6 |
| TA 110 | Improvisation | |
| TA 141 | Theatre Workshop | |
| TA 142 | Theatre Workshop II | |
| TA 143 | Theatre Workshop III | |
| TA 144 | Theatre Workshop IV | |
| TA 151 | Theatre Production I | |
| TA 152 | Theatre Production II | |

| | | |
|---|---|---|
| TA 153 | Theatre Production III | |
| TA 154 | Theatre Production IV | |
| TA 155A | Stage Costumer Workshop | |
| TA 155B | Specialty Costume Dresser in Production | |
| TA 155C | Costume Crew Technician in Production | |
| TA 155D | Costume Crew Head in Production | |
| TA 175 | Summer Theatre Workshop | |
| TA 256A | Contemporary Comedy in Performance | |
| TA 256B | Contemporary Comedy in Performance | |
| TA 256C | Contemporary Comedy in Performance | |
| TA 256D | Contemporary Comedy in Performance | |
| TA 262A | Modern American Drama in Performance | |
| TA 262B | Modern American Drama in Performance | |
| TA 262C | Modern American Drama in Performance | |
| TA 262D | Modern American Drama in Performance | |
| **Total Units** | | **16.00-21.00** |

## Learning Outcomes

1. Speak in front of a live audience so that you are clearly heard and understood.
2. Move on stage in a way that is appropriate to the moment and character and that creates an effective live presentation.
3. Analyze a play text in terms of dramatic structure, production and performance.
4. Effectively use vocabulary, techniques and processes to act in or direct an affecting public performance of a play.
5. Demonstrate at a beginning level of mastery the skills necessary to successfully compete in actor auditions.

# Costume Crafts and Design, Certificate of Achievement (C)

## Overview

This Certificate of Achievement is awarded to a student who has completed a basic series of technical production courses in preparation for a costume and/or make-up career in theatre and related entertainment technology.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| TA 103 | Theatre Appreciation | 3 |
| or TA 106 | Development of Drama - Musical Theatre | |
| or TA 107 | Development Of Drama: Greek to Renaissance | |
| or TA 108 | Development Of Drama II: Restoration To Contemporary | |
| TA 120 | Understanding Scenography | 3 |
| TA 123 | Stage Lighting | 3 |
| or TA 134 | Costume Design | |
| or TA 227 | Scenic Design | |
| TA 131 | Costume Technology | 3 |
| TA 136 | Theatrical Makeup Techniques | 3 |
| Complete a minimum of 1 unit from the following: | | 1 |
| TA 151 | Theatre Production I | |
| TA 152 | Theatre Production II | |
| TA 153 | Theatre Production III | |
| TA 154 | Theatre Production IV | |
| TA 155A | Stage Costumer Workshop | |
| TA 155B | Specialty Costume Dresser in Production | |
| TA 156A | Stage Make-up Workshop | |
| TA 156B | Make-up and Hair Assistant in Production | |
| TA 175 | Summer Theatre Workshop | |
| **Total Units** | | **16.00** |

## Learning Outcomes

1. Assess the function of costuming as manifest in theatrical production.
2. Demonstrate basic skills in sewing construction using critical thinking and creativity.
3. Identify space needs, tools, equipment and personnel needed for a costume shop operation.
4. Demonstrate work habits that are safe, efficient and effective.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Introductory Costume Crafts and Design, Certificate (C)

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Core Courses | | |
| TA 103 | Theatre Appreciation | 3 |
| or TA 106 | Development of Drama - Musical Theatre | |
| or TA 107 | Development Of Drama: Greek to Renaissance | |
| or TA 108 | Development Of Drama II: Restoration To Contemporary | |
| TA 120 | Understanding Scenography | 3 |
| TA 131 | Costume Technology | 3 |
| TA 136 | Theatrical Makeup Techniques | 3 |
| TA 134 | Costume Design | 3 |
| or TA 123 | Stage Lighting | |
| or TA 227 | Scenic Design | |
| Complete a minimum of 1 unit from the following: | | |
| TA 151 | Theatre Production I | 0.5 |
| TA 152 | Theatre Production II | 1 |
| TA 153 | Theatre Production III | 1.5 |
| TA 154 | Theatre Production IV | 2 |
| TA 155A | Stage Costumer Workshop | 0.5 |
| TA 155B | Specialty Costume Dresser in Production | 1 |
| TA 156A | Stage Make-up Workshop | 0.5 |
| TA 156B | Make-up and Hair Assistant in Production | 1 |
| TA 175 | Summer Theatre Workshop | 1-6 |
| **Total Units** | | **24.00-29.00** |

## Learning Outcomes

1. Assess the function of costuming as manifest in theatrical production.

2. Demonstrate basic skills in sewing construction using critical thinking and creativity by completing assigned projects. The more experienced sewer will advance their skills.

3. Identify space needs, tools, equipment and personnel needed for a costume shop operation.

4. Demonstrate work habits that are safe, efficient and effective.

# Technical Production, Certificate of Achievement (C)

## Overview

This Certificate of Achievement is awarded to a student who has completed a basic series of technical production courses in preparation for a career in theatre and related entertainment technology.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates

for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| TA 103 | Theatre Appreciation | 3 |
| or TA 106 | Development of Drama - Musical Theatre | |
| or TA 107 | Development Of Drama: Greek to Renaissance | |
| or TA 108 | Development Of Drama II: Restoration To Contemporary | |
| TA 120 | Understanding Scenography | 3 |
| TA 121 | Introduction to Stagecraft | 3 |
| TA 123 | Stage Lighting | 3 |
| or TA 227 | Scenic Design | |
| Complete a minimum of 4 units from the following: | | 4 |
| TA 131 | Costume Technology | |
| TA 136 | Theatrical Makeup Techniques | |
| TA 145A | Stage Electrician | |
| TA 145B | Light Board Operator | |
| TA 146A | Theatrical Stage Carpentry Deck Crew | |
| TA 146B | Fly and Scenery Systems Operator | |
| TA 149A | Production Assistant | |
| TA 149B | Assistant Stage Manager | |
| TA 150A | Stage Audio Technician Workshop | |
| TA 150B | Audio Mixing Board Operator in Production | |
| TA 151 | Theatre Production I | |
| TA 152 | Theatre Production II | |
| TA 153 | Theatre Production III | |
| TA 154 | Theatre Production IV | |
| TA 175 | Summer Theatre Workshop | |
| **Total Units** | | **16.00** |

## Learning Outcomes

1. Knowledgeably discuss what constitutes an effective scenic and lighting design for a play.

2. Demonstrate the proper application of technical theatre vocabulary.

3. Identify scenic construction tools and use appropriately.

4. Demonstrate scenic construction techniques by building a scenic flat.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Theatre Arts, Associate of Arts (AA): Acting

## Overview

The Theatre Arts Department offers a variety of programs of study and experience suited to the needs of the serious theatre student as well as those who wish to include theatre as a part of their liberal arts education. With curricula in Acting, Design/Lighting, Costuming and Technical Production, the program provides an intensive two-year course of study that prepares Theatre Arts majors for transfer to a four-year college or university — ready to do advanced upper-division work. Students have the opportunity of working in all phases of production and performance, and are encouraged to take on increasing levels of responsibility as stage managers or directors.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
   a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
   b. OPTION 2: IGETC (p. 141) Pattern OR
   c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Core Courses | | |
| TA 111 | Beginning Acting | 3 |
| TA 112 | Intermediate Acting A | 3 |
| TA 114 | Voice and Diction | 3 |
| TA 121 | Introduction to Stagecraft | 3 |
| or TA 131 | Costume Technology | |
| TA 136 | Theatrical Makeup Techniques | 3 |
| Complete 6 units from the following: | | 6 |
| TA 103 | Theatre Appreciation | |
| TA 104 | Script Analysis | |
| TA 106 | Development of Drama - Musical Theatre | |
| TA 107 | Development Of Drama: Greek to Renaissance | |
| TA 108 | Development Of Drama II: Restoration To Contemporary | |

| Code | Title | Units |
|------|-------|-------|
| Complete 3 units of Controlled Electives from the following, not including courses taken to satisfy requirements above: | | 3 |
| ENG 242 | Contemporary Dramatic Literature | |
| ENG 262 | Shakespeare | |
| TA 110 | Improvisation | |
| TA 120 | Understanding Scenography | |
| TA 121 | Introduction to Stagecraft | |
| TA 123 | Stage Lighting | |
| or TA 134 | Costume Design | |
| TA 131 | Costume Technology | |
| TA 175 | Summer Theatre Workshop [1] | |
| TA 213 | Intermediate Acting B | |
| TA 214 | Advanced Acting | |
| TA 215 | Fundamentals of Directing | |
| TA 218 | Acting for the Camera | |
| TA 267A | Acting Styles: Shakespeare | |
| Complete a minimum of 1 unit from the following: | | 1 |
| TA 141 | Theatre Workshop | |
| TA 142 | Theatre Workshop II | |
| TA 143 | Theatre Workshop III | |
| TA 144 | Theatre Workshop IV | |
| TA 145A | Stage Electrician | |
| TA 146A | Theatrical Stage Carpentry Deck Crew | |
| TA 149A | Production Assistant | |
| TA 150A | Stage Audio Technician Workshop | |
| TA 151 | Theatre Production I | |
| TA 152 | Theatre Production II | |
| TA 153 | Theatre Production III | |
| TA 154 | Theatre Production IV | |
| TA 175 | Summer Theatre Workshop [1] | |
| TA 255A | Classical Comedy in Performance | |
| TA 255B | Classical Comedy in Performance | |
| TA 255C | Classical Comedy in Performance | |
| TA 255D | Classical Comedy in Performance | |
| TA 256A | Contemporary Comedy in Performance | |
| TA 256B | Contemporary Comedy in Performance | |
| TA 256C | Contemporary Comedy in Performance | |
| TA 256D | Contemporary Comedy in Performance | |
| TA 262A | Modern American Drama in Performance | |
| TA 262B | Modern American Drama in Performance | |
| TA 262C | Modern American Drama in Performance | |
| TA 262D | Modern American Drama in Performance | |
| TA 263A | Classical Drama In Performance | |
| TA 263B | Classical Drama in Performance | |
| TA 263C | Classical Drama in Performance | |

| | | |
|---|---|---|
| TA 263D | Classical Drama In Performance | |
| **Total Units** | | **25.00** |

[1] A maximum of 3 units from TA 175 Summer Theatre Workshop may be applied toward AA Degree.

## Learning Outcomes

1. Analyze a play text in terms of dramatic structure, production and performance.
2. Effectively use vocabulary, techniques and processes to act in or direct an affective public performance of a play.
3. Effectively use basic technical theatre vocabulary and apply foundational theatre craft skills.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Theatre Arts, Associate of Arts (AA): Design/Lighting and/or Costuming/Makeup

## Overview

The Theater Arts Department offers a variety of programs of study and experience suited to the needs of the serious theater student as well as those who wish to include theater as a part of their liberal arts education. With curricula in Acting/Directing, Design/Lighting, Costuming and Technical Production, the program provides an intensive two-year course of study that prepares Theater Arts majors for transfer to a four-year college or university - ready to do advanced upper-division work. Students have the opportunity of working in all phases of production and performance, and are encouraged to take on increasing levels of responsibility.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| TA 103 | Theatre Appreciation | 3 |
| TA 111 | Beginning Acting | 3 |
| TA 120 | Understanding Scenography | 3 |
| TA 121 | Introduction to Stagecraft | 3 |
| TA 131 | Costume Technology | 3 |
| TA 136 | Theatrical Makeup Techniques | 3 |
| TA 151 | Theatre Production I | 0.5-2 |
| or TA 152 | Theatre Production II | |
| or TA 153 | Theatre Production III | |
| or TA 154 | Theatre Production IV | |
| Area A - Complete a minimum of 1 unit from the following: | | 1-2 |
| TA 145A | Stage Electrician | |
| TA 146A | Theatrical Stage Carpentry Deck Crew | |
| TA 149A | Production Assistant | |
| TA 150A | Stage Audio Technician Workshop | |
| TA 151 | Theatre Production I | |
| TA 152 | Theatre Production II | |
| TA 153 | Theatre Production III | |
| TA 154 | Theatre Production IV | |
| TA 155A | Stage Costumer Workshop | |
| TA 156A | Stage Make-up Workshop | |
| Area B - Complete 6 units from the following - not including courses taken to satisfy requirements above: | | 6 |
| ART 120 | Fundamentals Of Drawing | |
| ART 122 | Advanced Drawing | |
| ENG 242 | Contemporary Dramatic Literature | |
| TA 103 | Theatre Appreciation | |
| TA 106 | Development of Drama - Musical Theatre | |
| TA 107 | Development Of Drama: Greek to Renaissance | |
| TA 108 | Development Of Drama II: Restoration To Contemporary | |
| TA 112 | Intermediate Acting A | |
| TA 123 | Stage Lighting | |
| TA 134 | Costume Design | |
| TA/CHST 160 | Chicano Theatre | |
| TA 175 | Summer Theatre Workshop [1] | |
| TA 213 | Intermediate Acting B | |
| TA 214 | Advanced Acting | |
| TA 215 | Fundamentals of Directing | |
| TA 227 | Scenic Design | |
| **Total Units** | | **25.50-28.00** |

[1] A maximum of 3 units from TA 175 Summer Theatre Workshop may be applied toward AA Degree.

## Learning Outcomes

1. Analyze a play text in terms of dramatic structure, production and performance.
2. Demonstrate the proper application of theatre crafts' terminology pertaining to production challenges.
3. Demonstrate proficient use of theatre crafts' tools and technology in the creation of theatrical productions.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Theatre Arts, Associate of Arts (AA): General

## Overview

The Theatre Arts Department offers a variety of programs of study and experience suited to the needs of the serious theatre student as well as those who wish to include theater as a part of their liberal arts education. With curricula in Acting, Design/Lighting, Costuming and Technical Production, the program provides an intensive two-year course of study that prepares Theatre Arts majors for transfer to a four-year college or university - ready to do advanced upper-division work or to enter one of the many related professions. Students have the opportunity of working in all phases of production and performance, and are encouraged to take on increasing levels of responsibility in the role of stage manager. director or other leadership positions.

## Requirements

**Associate Degree Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (p. 70) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (p. 141) Pattern OR
    c. OPTION 3: CSU GE Breadth (p. 152) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| Core Course | | |
| TA 111 | Beginning Acting | 3 |
| Complete two courses from the following: | | 6 |
| TA 103 | Theatre Appreciation | |
| TA 104 | Script Analysis | |
| TA 106 | Development of Drama - Musical Theatre | |
| TA 107 | Development Of Drama: Greek to Renaissance | |
| TA 108 | Development Of Drama II: Restoration To Contemporary | |
| Complete two courses from the following: | | 6 |
| TA 120 | Understanding Scenography | |
| TA 121 | Introduction to Stagecraft | |
| TA 123 | Stage Lighting | |
| TA 131 | Costume Technology | |
| TA 227 | Scenic Design | |
| Complete 9 units of Controlled Electives from the following, not including courses taken to satisfy requirements above: | | 9 |
| ENG 242 | Contemporary Dramatic Literature | |
| ENG 262 | Shakespeare | |
| TA 112 | Intermediate Acting A | |
| TA 114 | Voice and Diction | |
| TA 121 | Introduction to Stagecraft | |
| TA 123 | Stage Lighting | |
| TA 131 | Costume Technology | |
| TA 136 | Theatrical Makeup Techniques | |
| TA/CHST 160 | Chicano Theatre | |
| TA 175 | Summer Theatre Workshop [1] | |
| TA 213 | Intermediate Acting B | |
| TA 214 | Advanced Acting | |
| TA 215 | Fundamentals of Directing | |
| Complete a minimum of 1 unit from the following: | | 1 |
| TA 141 | Theatre Workshop | |
| TA 142 | Theatre Workshop II | |
| TA 143 | Theatre Workshop III | |
| TA 144 | Theatre Workshop IV | |
| TA 145A | Stage Electrician | |
| TA 146A | Theatrical Stage Carpentry Deck Crew | |
| TA 149A | Production Assistant | |
| TA 150A | Stage Audio Technician Workshop | |
| TA 151 | Theatre Production I | |
| TA 152 | Theatre Production II | |
| TA 153 | Theatre Production III | |
| TA 154 | Theatre Production IV | |
| TA 175 | Summer Theatre Workshop [1] | |
| TA 256A | Contemporary Comedy in Performance | |
| TA 256B | Contemporary Comedy in Performance | |
| TA 256C | Contemporary Comedy in Performance | |
| TA 256D | Contemporary Comedy in Performance | |

| Code | Title | Units |
|------|-------|-------|

| TA 262A | Modern American Drama in Performance | |
| TA 262B | Modern American Drama in Performance | |
| TA 262C | Modern American Drama in Performance | |
| TA 262D | Modern American Drama in Performance | |
| **Total Units** | | **25.00** |

[1] A maximum of 3 units from TA 175 Summer Theatre Workshop may be applied toward AA Degree.

## Learning Outcomes

1. Analyze a play text in terms of dramatic structure, production and performance.
2. Knowledgeably critique a theatrical performance in terms of relevant techniques applied and aesthetic choices made.
3. Articulate the evolution of theatre and its various styles and genres and relate them to contemporary issues, values and concerns.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Theatre Arts, Associate in Arts for Transfer (AA-T)

The Theatre Arts Department at Santa Barbara City College offers a variety of programs of study and experience suited to the needs of the serious theatre student, as well as those students who wish to include theatre arts as part of their liberal arts education. With curricula in Acting/Directing, Design/Lighting, Costuming and Technical Production, the program provides an intensive two-year course of study that prepares Theatre Arts majors for transfer to a four-year college or university—ready to do advanced, upper-division work.

The Associate in Arts for Transfer degree in Theatre Arts provides students with the foundational knowledge necessary to make a successful transition into a Baccalaureate Degree at any of the CSU campuses.  The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit https://adegreewithaguarantee.com/ for more information about these degrees.

## Requirements

**Associate Degree for Transfer Graduation Requirements**

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU (p. 141) or the CSU GE Breadth (p. 152) pattern.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

| Code | Title | Units |
|------|-------|-------|
| **Department Requirements** | | |
| Required Core | | |
| TA 103 | Theatre Appreciation | 3 |
| or TA 107 | Development Of Drama: Greek to Renaissance | |
| TA 111 | Beginning Acting | 3 |
| Complete 3 units from the following Rehearsal and Performance Production or Technical Theatre in Production courses: | | 3 |
| TA 141 | Theatre Workshop | |
| TA 142 | Theatre Workshop II | |
| TA 143 | Theatre Workshop III | |
| TA 144 | Theatre Workshop IV | |
| TA 145A | Stage Electrician | |
| TA 146A | Theatrical Stage Carpentry Deck Crew | |
| TA 149A | Production Assistant | |
| TA 150A | Stage Audio Technician Workshop | |
| TA 151 | Theatre Production I | |
| TA 152 | Theatre Production II | |
| TA 153 | Theatre Production III | |
| TA 154 | Theatre Production IV | |
| TA 155A | Stage Costumer Workshop | |
| TA 156A | Stage Make-up Workshop | |
| TA 256A | Contemporary Comedy in Performance | |
| TA 256B | Contemporary Comedy in Performance | |
| TA 256C | Contemporary Comedy in Performance | |
| TA 256D | Contemporary Comedy in Performance | |
| TA 262A | Modern American Drama in Performance | |
| TA 262B | Modern American Drama in Performance | |
| TA 262C | Modern American Drama in Performance | |
| TA 262D | Modern American Drama in Performance | |
| List A - Complete 9 units from List A OR 6 units from List A and an additional 3 units from the Rehearsal and Performance Production or Technical Theatre in Production courses, not being used to satisfy the Required Core: | | 9 |

| | | |
|---|---|---|
| TA 112 | Intermediate Acting A | |
| TA 120 | Understanding Scenography | |
| TA 121 | Introduction to Stagecraft | |
| TA 123 | Stage Lighting | |
| TA 134 | Costume Design | |
| TA 136 | Theatrical Makeup Techniques | |
| **Total Units** | | **18.00** |

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AA-T and to meet the requirements of the transfer institution to which they are intending to transfer.

## Learning Outcomes

1. Analyze a play text in terms of dramatic structure, production and performance.
2. Knowledgeably critique a theatrical performance in terms of relevant techniques applied and aesthetic choices made.
3. Articulate the evolution of theatre and its various styles and genres and relate them to contemporary issues, values and concerns.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Water Science

The Water Science Certificate Program is designed to serve those people employed or interested in employment in the water and/or wastewater fields and those who desire to upgrade their skills and/or receive certification from the State of California, the American Water Works Association, or the California Water Environment Association.

For further information, contact Dr. Alan Price, Dean, Educational Programs, aprice3@sbcc.edu.

## Programs of Study

**Certificates of Achievement**

- Wastewater Technology Education, Certificate of Achievement (C) (p. 376)
- Water Technology Education, Certificate of Achievement (C) (p. 377)

# Wastewater Technology Education, Certificate of Achievement (C)
## Overview

The Water Science Certificate Program is designed to serve those people employed or interested in employment in the water and/or wastewater fields and those who desire to upgrade their skills and/or receive certification from the State of California, the American Water Works Association, or the California Water Environment Association.

For further information, students should contact the Counseling Center at 965-0581, ext. 2285, or the Career Technical Education Office, ext. 2721.

To receive the Certificate of Achievement in any of the program options, students must complete the required core courses for that option, one additional course from the Water Science elective list and one course from the elective support course list.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| WTRS 100 | Basic Wastewater Treatment | 3 |
| WTRS 103 | Pumps And Motors; Operation And Maintenance | 3 |
| WTRS 105 | Water Science Chemistry And Bacteriology | 3 |
| WTRS 113 | Water And Wastewater Hydraulics | 3 |
| WTRS 117 | Water and Wastewater Calculations | 3-5 |
| or MATH 095 | Elementary Algebra | |
| Complete two courses from the following: | | 5-6 |
| ERTH/GEOG 171 | Introduction To Geographic Information Systems And Maps | |
| WTRS 102 | Water Systems Instrumentation And Controls | |
| WTRS 111 | Wastewater Collection | |
| WTRS 116 | Water And Wastewater Management/Supervision | |
| **Total Units** | | **24.00-27.00** |

## Learning Outcomes

1. Become familiar with state and federal regulations for water and wastewater treatment
2. Apply mathematical problem solving techniques to water/wastewater problems.
3. Use scientific methods to discover, analyze and resolve water/wastewater issues.
4. Become knowledgeable about processes and equipment used in water treatment, water distribution, waste water treatment and waste water collection.
5. Learn the principles of managing a water/wastewater utility.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Water Technology Education, Certificate of Achievement (C)

## Overview

The Water Science Certificate Program is designed to serve those people employed or interested in employment in the water and/or wastewater fields and those who desire to upgrade their skills and/or receive certification from the State of California, the American Water Works Association, or the California Water Environment Association.

For further information, students should contact the Counseling Center at 965-0581, ext. 2285, or the Career Technical Education Office, ext. 2721.

To receive the Certificate of Achievement in any of the program options, students must complete the required core courses for that option, one additional course from the Water Science elective list and one course from the elective support course list.

## Requirements

**Certificate of Achievement Requirements**

Complete all Department Requirements for the Certificate of Achievement with a cumulative grade point average (GPA) of 2.0 or better.  Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

| Code | Title | Units |
|---|---|---|
| **Department Requirements** | | |
| COMP 101 | Introduction to Computer Applications | 4 |
| WTRS 101 | Water Distribution Systems | 3 |
| or WTRS 110 | Basic Water Treatment | |
| WTRS 103 | Pumps And Motors; Operation And Maintenance | 3 |
| WTRS 105 | Water Science Chemistry And Bacteriology | 3 |
| WTRS 113 | Water And Wastewater Hydraulics | 3 |
| WTRS 117 | Water and Wastewater Calculations | 3-5 |
| or MATH 095 | Elementary Algebra | |
| Complete two courses from the following: | | 5-6 |
| ERTH/GEOG 171 | Introduction To Geographic Information Systems And Maps | |
| WTRS 101 | Water Distribution Systems [1] | |
| WTRS 102 | Water Systems Instrumentation And Controls | |
| WTRS 106 | Groundwater Production And Protection | |
| WTRS 110 | Basic Water Treatment [1] | |
| WTRS 112 | Water Quality Protection And Cross Connection Control | |
| WTRS 114 | Advanced Wastewater Treatment | |
| WTRS 116 | Water And Wastewater Management/ Supervision | |
| **Total Units** | | **24.00-27.00** |

[1] WTRS 101 Water Distribution Systems and WTRS 110 Basic Water Treatment can only satisfy the core requirement or the elective requirement, not both.

## Learning Outcomes

1. Become familiar with state and federal regulations for water and wastewater treatment
2. Apply mathematical problem solving techniques to water/wastewater problems.
3. Use scientific methods to discover, analyze and resolve water/ wastewater issues.
4. Become knowledgeable about processes and equipment used in water treatment, water distribution, waste water treatment and waste water collection.
5. Learn the principles of managing a water/wastewater utility.

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (http://www.sbcc.edu/starfish/howtos/starfish_appt_how_to.pdf).

# Work Experience

Santa Barbara City College offers two types of Work Experience:

- General Work Experience

- Occupational Work Experience

## General Work Experience

General Work Experience 290 provides opportunities for students to practice effective work habits, attitudes, and career awareness in actual job settings. Units are based on the number of hours worked throughout the semester. A student may earn 1-4 college units. A maximum of 16 units may be applied as electives toward an AA or AS Degree.
For each semester of Work Experience 290, the student is required to create job-oriented objectives that guide new or expanded responsibilities or learning opportunities beyond those experienced during previous employment.

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Instructional Material Fees

## ART

| Code | Title | Units |
|------|-------|-------|
| Special Fee: $15 for Wood and Canvas materials | | |
| ART 132 | Fundamentals of Painting | 3 |
| ART 133 | Intermediate Painting | 3 |
| ART 134 | Theory and Application in Painting | 3 |
| ART 137 | Advanced Painting | 3 |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| Special Fee: $30 for Plaster ad other materials | | |
| ART 151 | Intermediate Ceramics | 3 |
| ART 152 | Advanced Ceramics | 3 |
| ART 154 | Ceramic Sculpture | 3 |
| ART 155 | Glaze Formulation | 3 |
| Special Fee: $35 Clay, Glaze and other materials | | |
| ART 141 | Studio Art Foundations 3D | 3 |
| ART 150 | Fundamentals of Ceramics | 3 |
| ART 170 | Introduction to Sculpture | 3 |
| Special Fee: $40 for Plaster and other materials | | |
| ART 171 | Intermediate Sculpture | 3 |
| ART 172 | Advanced Sculpture | 3 |
| ART 173 | Beginning Casting | 3 |
| ART 180 | Sculpture Fabrication | 3 |
| ART 181 | Intermediate Sculpture Fabrication | 3 |
| ART 182 | Advanced Sculpture Fabrication | 3 |
| Special Fee: $35 for Copper Plates and Wood Material | | |
| ART 190 | Introduction to Printmaking | 3 |
| ART 191 | Intermediate Printmaking | 3 |
| ART 192 | Advanced Printmaking | 3 |
| ART 193 | Beginning Printmaking: Silkscreen | 3 |
| ART 194 | Intermediate Printmaking: Silkscreen | 3 |
| ART 195 | Printmaking, Theory and Application | 3 |

## Marine Diving Technologies

| Code | Title | Units |
|------|-------|-------|
| MDT 105 | Advanced Scuba Techniques (Special fee: Includes Certification for $20) | 1.7 |
| MDT 106 | Open Water Navigation And Rescue (Special fee: Includes Certification for $25) | 0.7 |
| MDT 107 | Hyperbaric Chamber Operations (Special fee: Includes Certification for $25) | 1.5 |
| MDT 111 | First Aid For The Diving Professional | 1.4 |
| MDT 179 | Nitrox Diving (Special fee: Includes Certification for $25) | 0.8 |

## Physical Education, Dance and Athletics

| Code | Title | Units |
|------|-------|-------|
| special Fee: Includes Folf Course Access for $25 | | |
| PE 103A | Beginning Golf | 1.5 |
| PE 103B | Intermediate Golf | 1.5 |
| PE 103C | Advanced Golf | 1.5 |

## Radiological and Imaging Sciences

| Code | Title | Units |
|------|-------|-------|
| RT 102 | Fundamentals of Radiographic Positioning and Procedures I (Special fee: Includes dosimeters for $50) | 4 |
| RT 103 | Fundamentals Of Radiographic Positioning And Procedures II (Special fee: Includes dosimeters for $40) | 4 |

## Instructional Field Trips
## Earth and Planetary Sciences

| Code | Title | Units |
|------|-------|-------|
| ERTH 131 | Geologic Field Studies - Eastern Sierra Nevada (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |

| ERTH 132 | Geologic Field Studies - Death Valley (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 133 | Introductory Geologic Field Seminar - Colorado Plateau (Special Fee: Field Trip fee of $215.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4 |
| ERTH 134 | Geologic Field Studies - Western Sierra Nevada (Special Fee: Field Trip fee of $140.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2.5 |
| ERTH 137 | Introductory Field Geology (Special Fee: Field Trip fee of $80.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4.5 |
| ERTH 138 | Geology Field Camp (Special Fee: Field Trip fee of $275.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4.5 |
| ERTH 231A | Field Study - Mineralogy and Mineral Resources of the Eastern Sierra Nevada (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 231B | Field Study - Energy Resources of the Eastern Sierra Nevada (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 232A | Field Study - Petrology of the Death Valley Region (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 232B | Field Study - Mineral Resources and Plate Tectonic History of the Death Valley Region (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 233 | Advanced Geologic Field Seminar - Colorado Plateau (Special Fee: Field Trip fee of $215.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4 |
| ERTH 130V | Geologic Field Studies - Hawaii Volcanology (Special Fee: Field Trip fee of $910 will cover facility use, lodging, meals, incidentals and instructional materials. Scholarships are available.) | 2.5 |

| GEOG 123 | Geography field studies- Death Valley (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |

## Marine Diving Technologies

| Code | Title | Units |
| --- | --- | --- |
| MDT 105 | Advanced Scuba Techniques (Mandatory Field Trip for $120.00 including transportation and incidentals. Scholarships are available.) | 1.7 |
| MDT 142 | Surface-Supplied Ocean Diving (Special Fee: Field Trip fee of $95 for transportation and incidentals. Scholarships are available.) | 1.8 |
| MDT 152 | Underwater Tools And Inspection (Special Fee: Field Trip fee of $65 for transportation and incidentals. Schoalrships are available.) | 1.7 |
| MDT 179 | Nitrox Diving (Special Fee: Mandatory Field Trip fee of $120 for transportation and incidentals. Scholarships are available.) | 0.8 |

## Political Science

| Code | Title | Units |
| --- | --- | --- |
| POLS 108 | California Government and Politics (Special Fee: Field Trip fee of $900.00 will cover lodging, meals and incidentals. Scholarships are available.) | 2 |

# Accounting (ACCT)

## Credit Courses

**ACCT 110 Introduction to Accounting (4 Units)**
Hours: 72 (72 lecture)
Basic theory of accounts. Principles of sole proprietorship, including concepts of how to keep manual or computerized financial records for small businesses.
Transfer Information: CSU Transferable

**ACCT 120 Accounting for Nonprofit Organizations (2 Units)**
Hours: 36 (36 lecture)
Practical information to accountants and non-accountants alike. Focuses on fundamental nonprofit accounting principles with step-by-step introduction to keeping accounting (manual and Quickbooks) records. Covers more advanced topics including budgets, internal controls, fund accounting, functional accounting, direct and indirect cost allocations, generating financial statements, basic overview of auditing preparation and tax filing requirements.
Transfer Information: CSU Transferable

### ACCT 130 Payroll Accounting (4 Units)
Prerequisites: ACCT 110 or ACCT 230.
Hours: 72 (72 lecture)
Study and application of payroll accounting concepts, procedures, and related internal controls. Specialized areas: Federal and state payroll taxes, withholdings, preparation and filing of governmental forms, record keeping systems and procedures.
Transfer Information: CSU Transferable

### ACCT 150 Introduction To Accounting Software And Systems (4 Units)
Prerequisites: ACCT 110 or ACCT 230.
Hours: 72 (72 lecture)
Review of computer application software programs used in financial and managerial accounting. Topics include implementing and using computerized accounting programs, spreadsheet software, and managerial systems relating to corporate culture and business ethics.
Transfer Information: CSU Transferable

### ACCT 160 Accounting With Quickbooks (3 Units)
Prerequisites: ACCT 110 or ACCT 230 or ACTV NC101 and ACTV NC102.
Hours: 54 (54 lecture)
Review and application of accounting principles using QuickBooks Desktop and QuickBooks Online software. Topics include setting up business books and working with inventory, accounts receivable, accounts payable, payroll, financial statements and reports.
Transfer Information: CSU Transferable

### ACCT 215 Fundamentals Of Income Tax (4 Units)
Hours: 72 (72 lecture)
Study and application of federal income tax law as it relates to individuals and small businesses (proprietorships). Partnerships, corporation and fiduciary tax principles. Differences between federal and state laws noted.
Transfer Information: CSU Transferable

### ACCT 230 Financial Accounting (5 Units)
Course Advisories: ACCT 110.
Hours: 90 (90 lecture)
Application of financial accounting principles and procedures for corporations. Preparation, use and analysis of financial statements. Includes internal controls of an accounting system, accounting for cash, receivables, inventories, property and equipment, intangibles, investments, current and long-term liabilities, contributed capital and retained earnings.
Transfer Information: CSU Transferable, UC Transferable

### ACCT 240 Managerial Accounting (4 Units)
Prerequisites: ACCT 230.
Course Advisories: ACCT 110.
Hours: 72 (72 lecture)
Study and application of managerial accounting concepts and procedures. Includes various costing systems, cost behavior analysis, cost-volume-profit analysis, budgeting, variance analysis, relevant costs, capital budgeting decisions.
Transfer Information: CSU Transferable, UC Transferable

### ACCT 280 Accounting Ethics and Leadership (3 Units)
Prerequisites: ACCT 230.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Regulatory review of accounting civil law, regulations, and standards specific to the practice of accounting in the state of California. Leadership skills needed to be leaders in the accounting community with a commitment to ethics, excellence, and best practices.
Transfer Information: CSU Transferable

# Addictive Disorders Counseling (ADC)
## Credit Courses

### ADC 111 Substance Abuse and Society (2 Units)
Prerequisites: ADC 120.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Study of the impact of substance abuse on American society and governmental and community responses, including reducing crime, promoting education, prevention, treatment and rehabilitation. Topics include the cost of substance abuse, failure of the War on Drugs, current trends in diversion and treatment-based specialty courts, efficacy of different treatment modalities, and the effects on minorities.
Transfer Information: CSU Transferable, UC Transferable

### ADC 120 Alcohol and Other Drugs (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Study of psychoactive substance use, abuse and dependence from social, historical and current perspectives, including biological, psychological and socio-cultural models of addiction and dependence. Explores the impact of alcohol and drugs on American society and the dynamics of chemical dependency. Other topics include the cost of substance abuse, different treatment modalities and philosophies, and the effects of substance abuse on minorities, seniors and women.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

### ADC 121 Basic Interviewing And Counseling Skills (3 Units)
Hours: 54 (54 lecture)
Presents skills fundamental to effective interviewing and counseling, including how to deal constructively with clients whose behavior is unpleasant. Students learn dynamics of behavior and relationships and develop a conceptual model for observing and assessing patterns of personal interactions. Skills learned may be applied in counseling, mediation, negotiation and interpersonal settings.
Transfer Information: CSU Transferable

### ADC 122 Pharmacological And Physiological Effects Of Alcohol And Other Drugs (3 Units)
Hours: 54 (54 lecture)
Survey of the medical and pharmacological aspects of alcohol and psychoactive substances. Includes theories and research pertaining to chemical dependency, pharmacological actions of drugs, drug classifications, medical and physical effects of alcohol and other drugs, the potential for abuse and dependency, and how psychoactive substances affect the mind and body.
Transfer Information: CSU Transferable

### ADC 123 Group Treatment (3 Units)
Corequisites: prior or concurrent enrollment in ADC 121.
Hours: 54 (54 lecture)
Examines the theory and practice of group therapy as a primary modality in the treatment of substance abuse/dependency and explores group structures and compositions that work best for different populations in successive stages of recovery, stages of group process, and effective group leader skills.
Transfer Information: CSU Transferable

**ADC 124 Chemical Dependency and the Family (3 Units)**
Course Advisories: ADC 120 and ADC 121.
Hours: 54 (54 lecture)
Presents theory and clinical practice designed to provide a basic understanding of the family dynamics involved when a member has a chemical dependency problem. Therapeutic techniques to facilitate effective intervention strategies for the family as a system and individuals within that system.
Transfer Information: CSUGE Area E, CSU Transferable

**ADC 125 Co-Occurring Disorders I: Recognition and Referral (3 Units)**
Course Advisories: ADC 120 and ADC 121.
Hours: 54 (54 lecture)
Explores historical and current theories dealing with clients who have both a substance abuse and co-existing psychiatric disorder. Includes concepts, definitions, epidemiology, historical divisions of the fields of substance abuse and psychiatry, funding, clinical implications, recognition, and assessment and referral of clients.
Transfer Information: CSU Transferable

**ADC 126 Treatment And Case Management Of Chemically-Dependent Individual (4 Units)**
Prerequisites: ADC 121.
Hours: 72 (72 lecture)
Theories, skills, techniques, and legal/ethical practices fundamental to bio-psycho-social therapy for chemically-dependent individuals. Includes eliciting an appropriate case history; assessment and diagnosis; implementing effective intervention; case management skills; treatment plan development; and a review of legal and ethical issues governing the alcohol and drug counselor's responsibilities.
Transfer Information: CSU Transferable

**ADC 129 Emotional Balance and Mindfulness in Recovery (3 Units)**
Hours: 54 (54 lecture)
Introduces bio-psychological approaches to treatment of trauma and addiction, engaging dynamics between the brain and the mind. Presents research demonstrating the efficacy of meditation, mindfulness, Emotional Freedom Technique (EFT), neurofeedback, and physical/emotional lifestyle choices as transformative practices which lead to increased and lasting emotional balance.
Transfer Information: CSUGE Area E, CSU Transferable

**ADC 130 Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction (3 Units)**
Hours: 54 (54 lecture)
Examines the importance of diversity and culture in determining an individual's reality as applied to the prevention and treatment of alcohol and other drug abuse or dependence. Explores both dependence and codependence from different cultural perspectives, with emphasis on increasing the student's awareness of the social and economic factors that influence substance abuse among ethnic populations.
Transfer Information: CSUGE Area E, CSU Transferable

**ADC 131 Attitudes, Motivation and Behavior Change (3 Units)**
Prerequisites: ADC 120.
Hours: 54 (54 lecture)
Explores and contrasts models of motivation and behavior change in substance-abusing clients. Students examine and practice motivational-enhancing techniques, with emphasis on learning therapeutic skills to create conditions which facilitate an individual's motivation to change, enlisting the cooperation in developing a plan of change and helping the client to maintain a positive attitude.
Transfer Information: CSU Transferable

**ADC 132 Substance Abuse and Adolescents (3 Units)**
Course Advisories: ADC 120 and ADC 124.
Hours: 54 (54 lecture)
Focuses on the treatment needs and challenges of substance-abusing adolescents. Includes screening and assessment; developing effective prevention and treatment approaches; levels and types of care; case management; detoxification; individual, group and family therapy; peer-driven treatment; treatment in the juvenile justice system; and why adolescent treatment has been so unsuccessful.
Transfer Information: CSU Transferable

**ADC 133 Anger Management and Family Violence (3 Units)**
Prerequisites: ADC 120.
Hours: 54 (54 lecture)
Examines anger, aggression and violence, particularly domestic violence, and their connection to substance abuse. Explores screening for domestic violence and the creation of effective treatment plans.
Transfer Information: CSUGE Area E, CSU Transferable

**ADC 135 Chemical Dependency Counseling Case Management and Treatment (3 Units)**
Prerequisites: ADC 121.
Hours: 54 (54 lecture)
Theories, skills and techniques fundamental to bio-psycho-social counseling for chemically-dependent individuals, including eliciting an appropriate case history; assessment and diagnosis; treatment plan development; implementing effective interventions, and case management skills.

**ADC 139 Introduction to Process Addictions (3 Units)**
Hours: 54 (54 lecture)
Presents the psychological and physiological aspects of process addictions within a meta-pattern called Addiction Interaction Disorder (AID). Explores how addictions, compulsions and deprivations combine, interact and become part of one another and how these packages can be unbundled and approached separately or in whole.
Transfer Information: CSU Transferable

**ADC 140 Recovery Through Movement (2 Units)**
Hours: 36 (36 lecture)
Explores how daily physical practice can build conscious awareness and transform negative self-perception patterns and interpretations, resulting from addictive conditioned tendencies, through the use of building an awareness of how the body and the mind are connected, developing an awareness of how the body takes on the shape of our experience.
Transfer Information: CSU Transferable

**ADC 146 Substance Abuse Prevention (3 Units)**
Course Advisories: ADC 120 and ADC 121.
Hours: 54 (54 lecture)
Provides training from evidence-based prevention initiatives and practices; the application, effective planning and evaluation of those practices from research that validates the advantages of prevention; and the creation of new opportunities for expansion in the field of substance abuse.
Transfer Information: CSU Transferable

### ADC 147 Tobacco Addiction and Treatment (3 Units)
Hours: 54 (54 lecture)
Explores the nature and severity of tobacco addiction and effective interventions and strategies to promote using cessation, personal awareness and wellness, modeling these strategies. Topics include, but are not limited to, managing symptoms of stress, diet, physical movement, goal setting, habit change, resistance and fear of change regarding cessation.
Transfer Information: CSU Transferable

### ADC 148 Legal and Ethical Issues in Addictive Disorders Counseling (3 Units)
Prerequisites: ADC 121.
Hours: 54 (54 lecture)
Theories of legal/ethical practices fundamental to counseling for chemically-dependent individuals, including a review of legal and ethical issues governing the addictive disorders counselor's responsibilities.
Transfer Information: CSU Transferable

### ADC 152 Clinical Process (3 Units)
Prerequisites: ADC 148 and ADC 135.
Corequisites: ADC 126 and ADC 290.
Hours: 54 (54 lecture)
Prerequisite or Through the use of case presentations, clinical process and supervision, this course further develops and integrates specific skills and competencies central to the entry-level alcohol and drug counselor's professional and clinical efficacy.
Transfer Information: CSU Transferable

### ADC 290 Work Experience in Alcohol and Drug Counseling (1-4 Units)
Prerequisites: ADC 126.
Hours: 300 (300 lab)
Provides certificate and degree students in Alcohol and Drug Counseling with fieldwork at an agency offering counseling and/or case management services to individuals and families with alcohol or other drug problems. Experiential Learning consists of 220 hours of supervised fieldwork over a 16-week semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Allied Health (Healthcare Interpreting and Medical Terminology) (AH)
## Credit Courses

### AH 120 Medical Terminology (1 Unit)
Hours: 18 (18 lecture)
Provides a basic foundation for those working in health-related fields with medical vocabulary, including words associated with common laboratory, X-ray and surgical procedures, medical abbreviations, medical illnesses, and signs and symptoms of disease. Required for Radiographic/Imaging Sciences majors.
Transfer Information: CSU Transferable

# American Ethnic Studies (ETHS)
## Credit Courses

### ETHS 101 The Immigrant Experience in the U.S. (3 Units)
Hours: 54 (54 lecture)
Comparative study of foreign immigrants in the United States from the mid-19th century to the present. Examines ethnic identity and nativist resistance to newcomers. Particular attention is paid to Hispanic and Asian immigrants, as compared to European immigrants. Analyzes the social and economic conditions as well as cultural factors that shape immigrant adjustment patterns.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area D6, CSUGE Area F, CSU US-1, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 4F, IGETC Area 7, CSU Transferable, UC Transferable

### ETHS 101H The Immigrant Experience in the U.S., Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Hours: 72 (72 lecture)
Comparative study of foreign immigrants in the United States from the mid-19th century to the present. Examines ethnic identity and nativist resistance to newcomers. Particular attention is paid to Hispanic and Asian immigrants, as compared to European immigrants. Analyzes the social and economic conditions as well as cultural factors that shape immigrant adjustment patterns.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area D6, CSUGE Area F, CSU US-1, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 4F, IGETC Area 7, CSU Transferable, UC Transferable

### ETHS 103 The American Ethnic Cultural Experience (3 Units)
Hours: 54 (54 lecture)
Examines the interdisciplinary study of art, architecture, music, literature, history and philosophy which reflects the cultural identity of American racial and ethnic minorities. We also will examine the experiences of people of diverse ethnic, racial, and cultural identities in American society, past and present.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable

### ETHS 107 Racism In America (3 Units)
Same as: SOC 107
Hours: 54 (54 lecture)
This course examines race and ethnicity and the impacts of racism upon selected racial and ethnic groups in American society. Covers major theories on the development of racial attitudes and behavior. Attention is also given to relationship between racism, sexism and class oppression.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, CSUGE Area F, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**ETHS 109 U.S.-Mexico And Other Borderlands (3 Units)**
Hours: 54 (54 lecture)
Analysis of the Mexico-U.S. and other borderlands. Discussions focus on international, regional, community and personal contexts, as they concern intercultural relations. Attention is given to all of the ethnic groups present in these borderland areas.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D, CSUGE Area F, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**ETHS 110 Contemporary Ethnic Communities (3 Units)**
Hours: 54 (54 lecture)
Designed to introduce and familiarize students with contemporary urban ethnic communities. Surveys distinctive historical, cultural and economic experiences that shape community social formation. Examines the role that immigration and the global economy play in family, religion, language and community organizational structure.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

**ETHS 117 Cultural Diversity In Film (3 Units)**
Hours: 54 (54 lecture)
Introduction to images of and by Women, African Americans, Latino-as, Asian Americans, and Native Americans on film. Covers the evolution of racial, ethnic, and gender stereotypes in film and the effort to more accurately and fairly portray gender, racial, and ethnic diversity in cinema.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ETHS 120 Race, Ethnicity and Social Movements in the United States (3 Units)**
Hours: 54 (54 lecture)
Social movements pervade the history of the United States. Many social movements feature prominently in the national imagination and memory, and many communities lay claim to one version or another of a specific movement. This course will use a social movement perspective to discuss racial and ethnic movements and conflict in the United States.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

**ETHS 121 Women of Color In The U.S. (3 Units)**
Hours: 54 (54 lecture)
Interdisciplinary, multi-perspective, comparative study of women of color in the United States. Includes African/African-American, Asian/Asian-American/Pacific Islander, Chicana/Hispanic/Latina, Caribbean, Middle Eastern, Native American and other non-white, non-Western European women. Traces and analyzes the historical and contemporary participation, contributions and relationships of women of color in U.S. society.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area D4, CSUGE Area F, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 4D, IGETC Area 7, CSU Transferable, UC Transferable

**ETHS 122 Arab-American/Middle Eastern Women In The U.S. (3 Units)**
Hours: 54 (54 lecture)
Comparative study of women of Arab/Middle Eastern descent living in the United States. Focus on the contributions of and participation by women in American society.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area D4, IGETC Area 3B, IGETC Area 4C, IGETC Area 4D, CSU Transferable, UC Transferable

**ETHS 295 Internship In Ethnic Studies (2-4 Units)**
Limitations on Enrollment: Completion of two courses (in applicable discipline) at SBCC prior to enrolling in an internship course.
Hours: 216 (216 lab)
Structured internship program in which students gain experience with community organizations related to the discipline.
Transfer Information: CSU Transferable

**ETHS 299 Independent Study In Ethnic Studies (1-4 Units)**
Limitations on Enrollment: Six units of Ethnic Studies courses completed with a 3.0 or higher G.P.A.; minimum of 12 units of course work completed at SBCC with a G.P.A. of at least 2.5.
Hours: 192 (192 lab)
Student works under guidance and direction of sponsoring faculty member on project consistent with interests and abilities. Minimal weekly meetings with faculty sponsor required. Course may be taken for one to four units of credit, with each unit of credit requiring student to devote approximately three hours per week to his/her project. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# American Sign Language (ASL)
## Credit Courses

**ASL 101 Beginning American Sign Language I (5 Units)**
Hours: 90 (90 lecture)
Introduces the use of American Sign Language (ASL), its grammatical rules, and cultural aspects of the deaf community. Emphasis is on building beginning receptive and expressive sign vocabulary, appropriate grammatical and affective facial expressions, syntax, and body modifiers. Study group participation and attendance at deaf events required.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**ASL 102 Beginning American Sign Language II (5 Units)**
Prerequisites: ASL 101 or two years of high school ASL or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continues the basic foundations established in ASL 101. Covers the appropriate use of American Sign Language linguistic parameters, syntax, sentence types, facial expression and body language, sign space, pronominalization, nouns/verbs, time line, classifiers/SASSes, pluralizations, deaf culture, fingerspelling and cardinal and ordinal numbers. Study group work and attendance at deaf events is required.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**ASL 103 Intermediate American Sign Language I (5 Units)**
Prerequisites: ASL 102 or three years of high school ASL, or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continues the study of American Sign Language, with expanded information on ASL grammar, syntax, spatial referencing, and vocabulary development. Dialogues, short stories, narratives and short conversations focus on discussion of deaf culture and descriptions of people and surroundings. Study group participation and attendance at deaf events required.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ASL 104 Intermediate American Sign Language II (5 Units)**
Prerequisites: ASL 103 or four years of high school ASL, or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Builds on ASL grammatical, syntactical, temporal, spatial, numerical, conversational, dialogic and narrative skills acquired in ASL 103. Incorporates complex ASL grammatical features, contextual vocabulary building, comprehension, and original generation of medium-length stories, narratives, dialogues and presentations. Discussion of cultural topics and issues relevant to deaf community. Study group participation and attendance at deaf events required.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ASL 110 Introduction to American Sign Language/English Interpretation (2 Units)**
Prerequisites: ASL 101 or two years of high school ASL, or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Introduction to the field of American Sign Language/English interpretation and cultural mediation. Designed to be of specific interest to those who are considering becoming interpreters or those who use, purchase, or schedule interpreting services.
Transfer Information: CSU Transferable

**ASL 111 Fingerspelling and Numbers I (2 Units)**
Prerequisites: ASL 101 or 120 or 2 years of high school ASL, or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Introduction to numerical and fingerspelling systems in American Sign Language.
Transfer Information: CSU Transferable

**ASL 112 Fingerspelling and Numbers II (2 Units)**
Prerequisites: ASL 111 or ASL 102 or ASL 130 or 3 years of high school ASL or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Advanced practice and application of fingerspelling and numbers in American Sign Language.
Transfer Information: CSU Transferable

**ASL 115 Classifiers (2 Units)**
Prerequisites: ASL 103 or ASL 140 or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Introduction to and application of classifier use in American Sign Language.
Transfer Information: CSU Transferable

**ASL 120 Beginning Conversational American Sign Language (2 Units)**
Prerequisites: ASL 101 or 2 years of high school ASL.
Hours: 36 (36 lecture)
Creates natural contexts to generate and engage in conversational American Sign Language. Students apply and expand their knowledge and use of ASL through real world application. Conducted without spoken English, requires field trips and interaction with the local deaf community.
Transfer Information: CSU Transferable

**ASL 125 American Deaf Culture and History (4 Units)**
Hours: 72 (72 lecture)
Introductory overview of American Deaf culture and history. Identifies Deaf Americans as a linguistic and cultural minority group with a rich and diverse history, culture and language.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ASL 130 Intermediate ASL Conversation I (2 Units)**
Prerequisites: ASL 102 or 120 or three years of high school ASL or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Vocabulary and grammar introduced in ASL 102 or 120 are used in conversational discourse. Conducted in ASL. Requires field trips and interaction with the local deaf community.
Transfer Information: CSU Transferable, UC Transferable

**ASL 140 Intermediate ASL Conversation II (2 Units)**
Prerequisites: ASL 103 or ASL 130 or four years of high school ASL or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Students discuss everyday routines in academic, work and social contexts and present short debates, medium-length stories, and short lectures. Emphasis on role shifting. Conducted in ASL.
Transfer Information: CSU Transferable, UC Transferable

**ASL 150 American Sign Language: Individual Skills Development (5 Units)**
Corequisites: ASL104.
Hours: 90 (90 lecture)
A supervised individual/small group activity designed to provide feedback on comprehension and production skills in American Sign Language. Designed primarily for students whose individual performance after completing ASL IV or equivalent indicates the need for additional support from a fluent ASL sign language model/tutor.
Transfer Information: CSU Transferable, UC Transferable

# Anthropology (ANTH)
## Credit Courses

**ANTH 101 Physical Anthropology (3 Units)**
Hours: 54 (54 lecture)
Biological aspects of human characteristics and behavior, the relationship of humans to other animals, the origins and evolutionary adaptations of human populations, and the biological basis for the diversity of human groups.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**ANTH 101H Physical Anthropology, Honors (4 Units)**
Limitations on Enrollment: Honors course.
Hours: 72 (72 lecture)
Biological aspects of human characteristics and behavior, the relationship of humans to other animals, the origins and evolutionary adaptations of human populations, and the biological basis for the diversity of human groups. Emphasis on reading and discussing selections from classic and contemporary research, and producing original research projects.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**ANTH 101L Physical Anthropology Laboratory (1 Unit)**
Corequisites: ANTH 101.
Hours: 54 (54 lab)
Prerequisite or Laboratory approach to topics covered in ANTH 101, with emphasis on population genetics, human osteology, biological classification, primate behavior and fossil hominids.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ANTH 102 Introduction To Archaeology (3 Units)**
Hours: 54 (54 lecture)
Introduction to the methods and theories of anthropological archaeology, as well as a review of significant data and models that contribute to knowledge of the human past. Includes the history and interdisciplinary nature of archaeological research; dating techniques; field and laboratory methods; CRM; ethical considerations; and selected cultural sequences.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable

**ANTH 102H Introduction to Archaeology, Honors (4 Units)**
Limitations on Enrollment: Honors course.
Hours: 72 (72 lecture)
Introduction to the methods and theories of anthropological archaeology, as well as a review of significant data and models that contribute to knowledge of the human past. Includes the history and interdisciplinary nature of archaeological research; dating techniques; field and laboratory methods; CRM; ethical considerations; and selected cultural sequences.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable

**ANTH 103 Introduction To Cultural Anthropology (3 Units)**
Hours: 54 (54 lecture)
Introductory survey course which explores humankind's cultural diversity through the application of contemporary anthropological theories and perspectives. Based on the premise that studying others enables us to see ourselves better. Culture is analyzed, and the basic principles of the discipline are examined critically.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable

**ANTH 104 Language and Culture (3 Units)**
Hours: 54 (54 lecture)
Examines the study of language in real-life socio-cultural contexts around the world through the contemporary theory and practice of linguistic anthropology.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable

**ANTH 109 Comparative World Cultures (3 Units)**
Hours: 54 (54 lecture)
In-depth comparison of two or more of the world's cultures. Emphasizes the cultural and ethnic diversity of the areas. Focuses on a comparison and contrast of traditional cultural complexes, cultures in transition, and contemporary and/or historic patterns.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable

**ANTH 110 Culture and Society Through Cartoons (3 Units)**
Same as: SOC 110
Limitations on Enrollment: 12 units at SBCC with 2.5gpa, and 6 units in department with 3.0 gpa.
Hours: 54 (54 lecture)
Investigates ideas and themes related to culture, society, and media using episodes and excerpts from The Simpsons and South Park. Sociological and anthropological theories and methodologies will be discussed, specifically examining elements of culture, the development of the self, and contemporary American society.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D0, CSUGE Area D1, IGETC Area 4A, IGETC Area 4J, CSU Transferable, UC Transferable

**ANTH 113 Witchcraft, Magic, Science And Religion (3 Units)**
Hours: 54 (54 lecture)
Introductory course designed to examine belief systems of a wide variety of cultures around the world.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable

**ANTH 295 Internship In Anthropology (2-4 Units)**
Limitations on Enrollment: Completion of two courses in the Anthropology Department at SBCC prior to enrolling in an Internship course.
Hours: 273 (273 lab)
Five to 10 hours weekly on-the-job experience. Structured internship program in which students gain experience in community organizations related to the discipline.
Transfer Information: CSU Transferable

**ANTH 299 Independent Study In Anthropology (1-4 Units)**
Hours: 192 (192 lab)
Directed study, topic chosen by student, 1-3 hours of conference with faculty member, according to the number of units in which a student enrolls.
Transfer Information: CSU Transferable

# Arabic (ARBC)
## Credit Courses

**ARBC 101 Beginning Modern Standard Arabic I (5 Units)**
Hours: 90 (90 lecture)
Essentials of spoken and written Modern Standard Arabic for the beginner. Provides an introduction to the culture of Arabic speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**ARBC 102 Beginning Modern Standard Arabic II (5 Units)**
Prerequisites: ARBC 101 or two years of high school Arabic or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continuation of Modern Standard Arabic 101. Focuses on the essentials of the spoken and written language for the beginner. Provides an introduction to the culture of Arabic speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

# Art (ART)
## Credit Courses

**ART 100 Art in Culture (3 Units)**
Hours: 54 (54 lecture)
A selection of significant works of art are studied in an expanded cultural context. Each of the works is contextualized within its own history, politics, economics, philosophy, technology, music and literary traditions to offer the fullest appreciation of art in culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 101 Visual Literacy (3 Units)**
Hours: 54 (54 lecture)
Study of the language, methods, materials and meaning of visual imagery, as found in the visual arts. Role and meaning of visual images in society, both historical and contemporary, are surveyed.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 102A Early Twentieth Century Art, 1900-1945 (3 Units)**
Hours: 54 (54 lecture)
Survey of major styles and innovations in art during the first half of the 20th century. Emphasis is on the historical, cultural, and ideological context of modernism. Focus is also on awareness of the sequence and significance of modern art.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 102B Late Twentieth Century Art (3 Units)**
Hours: 54 (54 lecture)
Introduction to developments in art of the late 20th century and their theoretical basis. Exploration of the historical, social, cultural and ideological context of art made after World War II to the end of the century.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 103 History of Art, Prehistoric to Gothic (3 Units)**
Hours: 54 (54 lecture)
Survey of art from prehistoric times through the Gothic period, and an examination of its cultural and conceptual context.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 103H History of Art, Prehistoric to Gothic, Honors (3 Units)**
Limitations on Enrollment: Honors course.
Hours: 54 (54 lecture)
Survey of art from prehistoric times through the Gothic period, and an examination of its cultural and conceptual context.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 104 History of Art, Renaissance to Modern (3 Units)**
Hours: 54 (54 lecture)
Survey of art from 1300 to the end of the 20th century (the Renaissance to Post-Modernism), and an examination of its cultural and conceptual context.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 104H History Of Art, Renaissance To Modern, Honors (3 Units)**
Limitations on Enrollment: Acceptance into the Honors Program.
Hours: 54 (54 lecture)
Survey of the history of Western art, its styles and cultural context, from the Renaissance to the present.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 106 History Of American Art (3 Units)**
Hours: 54 (54 lecture)
Study of American painting, sculpture, architecture, decorative arts and photography from Colonial times to the present. Traces the influences on American art from European sources, and surveys the variety of styles which the United States has experienced.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 108 History of Asian Art (3 Units)**
Hours: 54 (54 lecture)
Introduction to the painting, sculpture, architecture and crafts of India, Southeast Asia, China, Korea, and Japan. Overview of the relationship of artistic, cultural and historical events in both East and West, stressing exchange of influences and ideas.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 110 History of Women in Art (3 Units)**
Hours: 54 (54 lecture)
History of women in art. The study of the roles and contributions of women in art as artists, patrons and subjects of the male gaze.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 111 Survey Of Tribal Arts (3 Units)**
Hours: 54 (54 lecture)
Overview of the traditional arts of African tribes and kingdoms of Oceania and Australia, and of Native Americans located north of Rio Grande River; their painting, sculpture, masks, ritual objects and architecture.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 112 Survey Of Ancient American Art (3 Units)**
Hours: 54 (54 lecture)
Introduction to the art and architecture of Ancient America, including Mexico, Central America and South America. Major monuments are examined in their cultural contexts.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 113 Survey Of Architecture (3 Units)**
Hours: 54 (54 lecture)
Overview of architecture, structural systems and urban design, from ancient civilizations to the present day.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 114 History Of Photography (3 Units)**
Hours: 54 (54 lecture)
Overview of the history of photography from 1839 to the present. Organized in a topical framework, course examines the development of photography, its role in visual communication and artistic expression, as well as its contribution to the visual arts. Technological developments and individual photographers are also discussed.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 118 Portfolio Seminar for the Visual Arts (3 Units)**
Prerequisites: ART 121 or ART 133 or ART 151 or ART 191 or ART 171.
Hours: 90 (36 lecture, 54 lab)
Provides students an opportunity to produce, edit and document works of visual art for inclusion into portfolio for college transfer or professional development. Students will learn about professional opportunities in the visual arts and create documents necessary to pursue those opportunities.
Transfer Information: CSU Transferable

**ART 119 Art Field Studies: Studios, Galleries and Museums (3 Units)**
Hours: 54 (54 lecture)
This is a field trip based class. This course will explore various models for a career in the arts to help students with their professional development. We will study the educational and institutional structures that support arts careers. We will investigate the economics and creative opportunities of the studio and non studio models, commercial galleries, artist run spaces, museums etc. This is a hybrid class, an in person and online lecture course, with on and off campus assignments. This class is appropriate for a range of students from the curious to those looking to more actively pursue a career in the arts.
Transfer Information: CSU Transferable

**ART 120 Fundamentals Of Drawing (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Basic principles of drawing and composition, with emphasis on contour, gesture, value and perspective.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**ART 121 Intermediate Drawing (3 Units)**
Prerequisites: ART 120.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Study of formal and conceptual problems related to intermediate level drawing. Builds on fundamental skills to explore a variety of contemporary approaches to drawing including perception, abstraction, a relationship to photography and digital technology, and an introduction to expanded and site specific practice. Work in a variety of primarily black and white media with an introduction to color. Some criticism and theory is introduced. Offered in both in person or hybrid formats with in-person lectures and online lab time. In-process work is submitted and reviewed via Canvas discussion and Harmonize tools.
Transfer Information: CSU Transferable, UC Transferable

**ART 122 Advanced Drawing (3 Units)**
Prerequisites: ART 120 and 121.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Study of formal and conceptual problems related to advanced-level drawing. Art criticism, theory, abstraction and contemporary concerns will be further investigated. Both black and white media, as well as color media, will be employed.
Transfer Information: CSU Transferable, UC Transferable

**ART 123 Figure and Portrait Drawing (3 Units)**
Prerequisites: ART 120.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Basic figure drawing with an emphasis on building observational drawing skills including contour, value, composition, gesture and expression. Some supporting exploration of basic artistic anatomy. Use of various black and white media.
Transfer Information: CSU Transferable, UC Transferable

**ART 130 Integrated Drawing and Painting (3 Units)**
Prerequisites: ART 120 or ART 140 or ART 132.
Course Advisories: Art 101.
Hours: 90 (36 lecture, 54 lab)
A studio course working across the traditional borders of drawing and painting. Students are given assignments focused on encouraging use of a variety of media, format and approach. Seeks to help add layers of complexity to students who choose to work with two-dimensional media.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**ART 132 Fundamentals of Painting (3 Units)**
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Introduction to the foundation elements of painting. Focus on developing bedrock craft, technical and theoretical skills.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**ART 133 Intermediate Painting (3 Units)**
Prerequisites: ART 130 or ART 131 or ART 132.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Follows up on skills and techniques learned in Fundamentals of Painting. Explores more complex issues associated with painting a medium for making art. A wide variety of painting media are used, and emphasis is placed on the creative process, color theory and focused experimentation within painting.
Transfer Information: CSU Transferable, UC Transferable

**ART 134 Theory and Application in Painting (3 Units)**
Prerequisites: ART 133 and ART 137.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Explores contemporary and historical art theory and methods of incorporating it into a student's studio practice.
Transfer Information: CSU Transferable, UC Transferable

**ART 137 Advanced Painting (3 Units)**
Prerequisites: ART 132.
Corequisites: ART 140.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Students explore a variety of approaches and techniques of painting, while significantly increasing their exposure to contemporary artists and concepts. Follows up on skills and techniques learned in Fundamentals of Painting, and explores complex issues associated with painting as a medium for making art. A wide variety of painting media are used in the class, and emphasis will be placed on expanding the skill set of each student.
Transfer Information: CSU Transferable, UC Transferable

**ART 140 Studio Art Foundations (2-D) (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Beginning course in 2-D studio art; fundamentals of composition and color. Theory and application of image-making.
Transfer Information: CSU Transferable, UC Transferable

**ART 141 Studio Art Foundations 3D (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Beginning course in three-dimensional design. Introduction to form, structure, the elements of design and three-dimensional design theory. Includes an exploration of various materials and techniques, with emphasis on the creative process.
Transfer Information: CSU Transferable, UC Transferable

**ART 150 Fundamentals of Ceramics (3 Units)**
Course Advisories: ART 101 and ART 141.
Hours: 90 (36 lecture, 54 lab)
Introductory course on the techniques employed in working with clay. Topics include wheel throwing, hand-building, engobe and glaze application.
Transfer Information: CSU Transferable, UC Transferable

**ART 151 Intermediate Ceramics (3 Units)**
Prerequisites: ART 141 and ART 150.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Continuation of ART 150 in ceramics. Expanding the skills in forming techniques, wheel throwing and slab construction. Various glaze applications. Exploration of surface treatments: intaglio, sgraffito, majolica, mishima, wax resist. Rakus and other firing techniques also covered.
Transfer Information: CSU Transferable, UC Transferable

**ART 152 Advanced Ceramics (3 Units)**
Prerequisites: ART 151.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Advanced forming and throwing using stoneware and raku. Advanced glazing and surface treatments. Kiln operation: gas, electric, oxidation, reduction.
Transfer Information: CSU Transferable, UC Transferable

**ART 154 Ceramic Sculpture (3 Units)**
Prerequisites: ART 141 and ART 150.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Introduction to three-dimensional and relief sculptural forms. Emphasis placed on learning sound fundamental skills of clay forming, design, surface treatment and firing practices as applied to aesthetic and conceptually-based projects.
Transfer Information: CSU Transferable, UC Transferable

**ART 155 Glaze Formulation (3 Units)**
Prerequisites: ART 151.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Introduction to principles, techniques and materials used in the formulation of high temperature clay bodies and ceramic glazes.
Transfer Information: CSU Transferable, UC Transferable

**ART 170 Introduction to Sculpture (3 Units)**
Course Advisories: ART 101 and ART 120 and ART 141.
Hours: 90 (36 lecture, 54 lab)
Introduction to the materials, tools and techniques of sculpture. Fundamentals of sculpture production explored, including methods of carving, construction and casting.
Transfer Information: CSU Transferable, UC Transferable

**ART 171 Intermediate Sculpture (3 Units)**
Prerequisites: ART 141 and ART 170.
Hours: 90 (36 lecture, 54 lab)
Continuation of ART 170. Studies and projects in lasting materials and the use of power tools. Three-dimensional aesthetics and problem-solving techniques included.
Transfer Information: CSU Transferable, UC Transferable

**ART 172 Advanced Sculpture (3 Units)**
Prerequisites: ART 171.
Hours: 90 (36 lecture, 54 lab)
Includes the generation of unique individual projects, from conception to formal presentation. Relying on foundation courses, emphasis is on three-dimensional, problem-solving aesthetics.
Transfer Information: CSU Transferable, UC Transferable

**ART 173 Beginning Casting (3 Units)**
Prerequisites: ART 171.
Hours: 90 (36 lecture, 54 lab)
Introduction to a variety of casting techniques and sculptural relationships. Covers all steps of the casting process, but concentrates on the early stages of casting. Possible casting techniques to include plaster, wax, ceramic and poured metals.
Transfer Information: CSU Transferable, UC Transferable

**ART 174 Beginning Bronze Casting (3 Units)**
Prerequisites: ART 173.
Hours: 90 (36 lecture, 54 lab)
Introduction to traditional bronze casting techniques, particularly the early stages of casting, including wax working, gating, the investment processes, furnace procedures and metal pouring.
Transfer Information: CSU Transferable, UC Transferable

**ART 180 Sculpture Fabrication (3 Units)**
Prerequisites: ART 171.
Hours: 90 (36 lecture, 54 lab)
Concentration on sculpture fabrication. Covers a variety of assemblage techniques and materials, including wood and metal. Concentration on the additive processes and elements of design in sculpture fabrication.
Transfer Information: CSU Transferable

**ART 181 Intermediate Sculpture Fabrication (3 Units)**
Prerequisites: ART 180.
Hours: 90 (36 lecture, 54 lab)
Explores a variety of assemblage techniques and materials, including wood assemblage and welding.
Transfer Information: CSU Transferable

**ART 182 Advanced Sculpture Fabrication (3 Units)**
Prerequisites: ART 181.
Hours: 90 (36 lecture, 54 lab)
Concentration on sculpture fabrication. Covers advanced techniques and materials, including Mig and Tig welding.
Transfer Information: CSU Transferable

**ART 190 Introduction to Printmaking (3 Units)**
Course Advisories: ART 101, ART 120, ART 140, ENG 098.
Hours: 90 (36 lecture, 54 lab)
Introduction to printmaking history and methods. This class explores materials in relief, intaglio, silkscreen and contemporary practices.
Transfer Information: CSU Transferable, UC Transferable

**ART 191 Intermediate Printmaking (3 Units)**
Prerequisites: ART 190.
Corequisites: ART 140.
Course Advisories: ART 101 and ART 120.
Hours: 90 (36 lecture, 54 lab)
Expanded study of the processes covered in Art 190, with the introduction of multiple-layer and mixed-media printmaking. Readings related to theoretical application of print in fine art will be covered.
Transfer Information: CSU Transferable, UC Transferable

**ART 192 Advanced Printmaking (3 Units)**
Prerequisites: ART 191.
Course Advisories: ART 101 and/or ART 120.
Hours: 90 (36 lecture, 54 lab)
Continuation of the printmaking processes covered in Art 191. Students choose their own advanced print process in response to each assignment. Processes include multiple-color intaglio, relief and silkscreen. Experimental forms of multi-media printmaking are introduced. An artist statement related to the print work to be written at the beginning and end of the course.
Transfer Information: CSU Transferable, UC Transferable

**ART 193 Beginning Printmaking: Silkscreen (3 Units)**
Course Advisories: ART 101 and ART 120 ART 140.
Hours: 90 (36 lecture, 54 lab)
Introduction to techniques used in making silkscreens; Photographic and non-photographic stencil processes employed.
Transfer Information: CSU Transferable, UC Transferable

**ART 194 Intermediate Printmaking: Silkscreen (3 Units)**
Prerequisites: ART 193.
Course Advisories: ART 101 and 103.
Hours: 90 (36 lecture, 54 lab)
Expansion of the silkscreen processes covered in ART 193. Expands the exploration of the technique to include mixed-process silkscreen prints and sculptural screen printing techniques.
Transfer Information: CSU Transferable, UC Transferable

**ART 195 Printmaking, Theory and Application (3 Units)**
Prerequisites: ART 192.
Course Advisories: ART 101.
Hours: 90 (36 lecture, 54 lab)
Introduction to a theory-based approach to contemporary Printmaking and a continued study of technique. Readings, lecture and discussion will be used to guide the creation of portfolio artwork with an emphasis on the conceptual territory of the medium.
Transfer Information: CSU Transferable, UC Transferable

**ART 210 Survey Of Renaissance And Baroque Art (3 Units)**
Hours: 54 (54 lecture)
Survey of the evolution of major styles, meanings, iconography and innovations in art during the Renaissance and Baroque periods, with investigation of the social, cultural, political and philosophical contexts of the art. Emphasis on the interdisciplinary aspects of expressive behavior during these periods.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 211 Nineteenth Century Art (3 Units)**
Hours: 54 (54 lecture)
Surveys European and American art of the 19th century and artistic innovations that defined modernism and the avant-garde. Historical context of art, including democracy, worker's rights, suffrage, and abolition are highlighted. Romanticism, Realism, Impressionism and Post-Impressionism style periods are surveyed.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 215 Survey Of Non-Western Art (3 Units)**
Hours: 54 (54 lecture)
Introduction to the art produced by the non-European world. International survey of the art of Asia (India, China, Japan), Pre-Columbian Meso and South America, Native North America, Africa and Oceania (the South Seas).
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ART 216 Survey Of Islamic Art And Architecture (3 Units)**
Hours: 54 (54 lecture)
Survey of Islamic art and architecture from Asia to North Africa and Spain, from the era of Muhammad 19th century C.E. Considers the regional artistic manifestations of the vast Islamic world. Analyzes how intercultural relations between Europe and the Islamic world have influenced both spheres of art.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

# Asian-American Studies (ASAM)
## Credit Courses

### ASAM 101 Comparative Asian-American History, 1849-1965 (3 Units)
Hours: 54 (54 lecture)
Comparative analysis from 1849-1965 of Chinese, Japanese, Korean and Filipino immigration into Hawaii and the continental United States; settlement and employment patterns, community organizations, anti-Asian movements; women and families; internment of Japanese-Americans during World War II; and post-war developments.
SBCC General Education: SBCCGE Area B, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, CSU US-1, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

### ASAM 102 Contemporary Asian-American History (3 Units)
Hours: 54 (54 lecture)
Focuses on Asian-Americans from 1965 to present, including renewed immigration, the impact of new Asian-American ethnic groups, responses to racism, and the demographics, culture and politics of Asian-Americans in the 21st century.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

# Automotive Service and Technology (AUTO)

Credit Courses

### AUTO 101 Introduction to Auto Mechanics (3 Units)
Hours: 54 (54 lecture)
Lecture/demonstration course introducing the operation and maintenance of the modern automobile; emphasis on the theory of basic operating systems, including engine, electrical, chassis and driveline.
Transfer Information: CSU Transferable

### AUTO 101A Introduction to Auto Mechanics (3 Units)
Hours: 54 (54 lecture)
Lecture/demonstration course introducing the operation and maintenance of the modern automobile and shop safety; emphasis on the theory of basic operating systems including the electrical, fuel ignition, and electronics and computer controls.
Transfer Information: CSU Transferable

### AUTO 101B Introduction to Auto Mechanics (3 Units)
Hours: 54 (54 lecture)
Lecture/demonstration course introducing the operation and maintenance of the modern automobile and shop safety. Basic operating systems covered include cooling, brake, steering, suspension, drivetrain and air conditioning systems.
Transfer Information: CSU Transferable

### AUTO 102 Basic Car Care, Maintenance and Repair (3 Units)
Hours: 90 (36 lecture, 54 lab)
Introductory study and practice in basic car care, maintenance and repair. Students acquire laboratory experience, performing service and minor repairs.
Transfer Information: CSU Transferable

### AUTO 110 Fundamentals of Automotive Servicing (4 Units)
Course Advisories: AUTO 101.
Hours: 108 (54 lecture, 54 lab)
Introductory lecture/lab course covering maintenance and diagnostic procedures used in the automotive service industry. Lab exercises cover maintenance and service areas of engine lubrication, under hood, undercar, tire and wheel, cooling system, belts and hoses, fuel system, battery and electrical system, brakes and wheel bearings.
Transfer Information: CSU Transferable

### AUTO 110A Fundamentals of Auto Servicing (3 Units)
Hours: 90 (36 lecture, 54 lab)
Introductory lecture/lab course covering maintenance and diagnostic procedures used in the automotive service industry. Emphasis on lubrication, under-hood and under-car inspections, electrical systems service, fuel and ignitions systems service, and computer control diagnosis.
Transfer Information: CSU Transferable

### AUTO 110B Fundamentals of Auto Servicing (3 Units)
Hours: 90 (36 lecture, 54 lab)
Introductory lecture/lab course covering maintenance and diagnostic procedures used in the automotive service industry. Topics include cooling system service, brake tire and wheel service, suspension and steering service, and drivetrain service.
Transfer Information: CSU Transferable

### AUTO 111 Engine Rebuilding (7 Units)
Same as: AUTO 140
Course Advisories: AUTO 101 and AUTO 110.
Hours: 234 (72 lecture, 162 lab)
Lecture/lab course on generic theory and repair of automotive engines. The valve train and lower end assemblies are covered in detail. Engine problem diagnosis, service and repair, engine rebuilding and machining, and performance enhancement emphasized.
Transfer Information: CSU Transferable

### AUTO 112 Brakes, Suspension and Steering (4.6 Units)
Same as: AUTO 150
Course Advisories: AUTO 101 and AUTO 110.
Hours: 135 (54 lecture, 81 lab)
Principles of brakes, suspension, steering systems, wheel alignment and tire service. Includes disc and drum brakes, brake power assist units, anti-lock braking, tire service, wheel balancing and wheel alignment. Live vehicle laboratory study of lecture material. NATEF-certified course.
Transfer Information: CSU Transferable

### AUTO 113 Automotive Fuel and Air Conditioning Systems (4.6 Units)
Same as: AUTO 180
Course Advisories: AUTO 101 and 110.
Hours: 144 (54 lecture, 90 lab)
Principles of automotive fuel supply systems, carburetion, fuel injection heating, ventilation and air conditioning (HVAC) systems. Live vehicle repair in lab. NATEF-certified course.
Transfer Information: CSU Transferable

### AUTO 114 Automotive Power Train (7 Units)

Same as: AUTO 190
Prerequisites: AUTO 111.
Course Advisories: AUTO 101 and AUTO 110.
Hours: 234 (72 lecture, 162 lab)
Principles of the automotive power train, including the clutch, standard and automatic transmissions and transaxles, C/V joints, drive shafts and differentials. NATEF-certified course with live vehicle lab study of lecture material.
Transfer Information: CSU Transferable

### AUTO 115 Automotive Electricity (7 Units)

Course Advisories: AUTO 101 and 110.
Hours: 216 (81 lecture, 135 lab)
Lecture/lab study of the complete automotive electrical system, including theory, the battery, starting system, charging system, wiring, lighting and body electrical systems. Theory of operation covered in lecture; testing, diagnosis and repair applied in lab. NATEF-certified course.
Transfer Information: CSU Transferable

### AUTO 116 Engine Performance (7 Units)

Same as: AUTO 170
Course Advisories: AUTO 101 and AUTO 110.
Hours: 216 (81 lecture, 135 lab)
Principles of engine performance diagnosis and maintenance, ignition and emission controls. Drivability, vehicle emissions and fuel economy concerns is also addressed. Lab study includes engine condition testing, ignition system testing, emission testing and electronic scan tools.
Transfer Information: CSU Transferable

### AUTO 120 Automotive Business and Soft Skills (4 Units)

Hours: 72 (72 lecture)
Presents the operation of automotive business, discussion of various industry roles, and best practices for obtaining and retaining employment in the automotive industry. This course offers preparation for the ASE (Automotive Service Excellence) C1 industry certification test. This ASE Education accredited course provides hands-on application of lecture materials. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

### AUTO 130 Automotive Maintenance & Light Repair (4.5 Units)

Hours: 135 (54 lecture, 81 lab)
Presents the theory, operation, maintenance, and light repair of modern automotive vehicle systems . This course offers preparation for the ASE (Automotive Service Excellence) G1 industry certification test. This ASE Education certified course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

### AUTO 140 Automotive Engines (4.5 Units)

Same as: AUTO 111
Hours: 135 (54 lecture, 81 lab)
Presents the theory, operation, diagnosis, service, and repair of automotive internal combustion engines. This course offers preparation for the ASE (Automotive Service Excellence) A1 industry certification test. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

### AUTO 150 Automotive Brakes, Suspension, & Steering Systems (4.5 Units)

Same as: AUTO 112
Hours: 135 (54 lecture, 81 lab)
Presents the theory, operation, diagnosis, service, and repair of automotive brakes, suspension, and steering systems, including disc and drum brakes, electronic braking systems, tire service, and wheel alignment. This course offers preparation for the ASE (Automotive Service Excellence) A4 and A5 industry certification tests. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

### AUTO 160 Automotive Electricity and Electronic Systems (4.5 Units)

Same as: AUTO 115
Hours: 135 (54 lecture, 81 lab)
Presents the theory, operation, diagnosis, service, and repair of automotive electrical/electronic systems. This course offers preparation for the ASE (Automotive Service Excellence) A6 industry certification test. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

### AUTO 170 Automotive Engine Performance (4.5 Units)

Same as: AUTO 116
Corequisites: AUTO 160.
Hours: 135 (54 lecture, 81 lab)
Concurrent Presents the theory, operation, diagnosis, service, and repair of automotive engine performance systems. This course offers preparation for the ASE (Automotive Service Excellence) A8 industry certification test. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

**AUTO 180 Automotive Heating and Air Conditioning Systems (3 Units)**
Same as: AUTO 113
Corequisites: AUTO 160.
Hours: 90 (36 lecture, 54 lab)
Concurrent Presents the theory, operation, diagnosis, service, and repair of automotive heating and air conditioning components. This course offers preparation for the ASE (Automotive Service Excellence) A7 industry certification test. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

**AUTO 190 Automotive Drivetrain Systems (4.5 Units)**
Same as: AUTO 114
Corequisites: AUTO 160.
Hours: 135 (54 lecture, 81 lab)
Concurrent Presents the theory, operation, diagnosis, service, and repair of automotive drivetrain systems, including automatic transmissions/transaxles, manual transmissions/transaxles, and driveline components. This course offers preparation for the ASE (Automotive Service Excellence) A2 and A3 industry certification tests. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

**AUTO 200 Automotive Advanced Diagnosis & ADAS (3 Units)**
Corequisites: AUTO 160.
Hours: 90 (36 lecture, 54 lab)
Concurrent Presents the theory, operation, diagnosis, service, and repair of advanced engine performance and driver assistance systems (ADAS). This course offers preparation for the ASE (Automotive Service Excellence) L1 and L4 specialist industry certification tests. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

**AUTO 207 Smog Check Technician Update (1 Unit)**
Hours: 18 (18 lecture)
The California Bureau of Auto Repair (BAR) requires this course for anyone applying for an EA or EB smog check license. Also required as update training for anyone interested in renewing a smog check license from January 1, 2005 through December 31, 2007. Covers BAR program updates, "Lambda" air/fuel calculations, operation of wide range of air/fuel sensors, and diagnosing emission failure problems using scan tool data stream analysis.

**AUTO 210 Automotive Hybrid and Electric Vehicle Systems (4.5 Units)**
Same as: AUTO 221
Corequisites: AUTO 160 Presents the theory, operation, diagnosis, service, and repair of automotive hybrid and electric vehicle systems.
Hours: 135 (54 lecture, 81 lab)
Concurrent This course offers preparation for the ASE (Automotive Service Excellence) L3 industry certification test. This ASE Education accredited course provides hands-on application of lecture materials in the lab. Employability skills will be discussed and practiced in this course, including: effective time management, maintaining a professional attitude working in a culturally diverse workplace, and industry-standard organizational habits and ethical behavior.
Transfer Information: CSU Transferable

**AUTO 217 Automotive Specialty I (2 Units)**
Prerequisites: AUTO 112 or AUTO 113.
Hours: 108 (108 lab)
Designed to further increase the skills and knowledge of students in the ASE (Automotive Service Excellence) specialty areas of brakes, steering, suspension or air-conditioning, working to trade standards.

**AUTO 218 Automotive Specialty II (3 Units)**
Prerequisites: AUTO 111 or AUTO 114 or AUTO 115 or AUTO 116.
Hours: 162 (162 lab)
Advanced lab course designed to further increase the skills and knowledge of students in the ASE (Automotive Service Excellence) specialty area(s) of engine repair, automotive electricity, automotive powertrain, or engine performance, working to trade standards.

**AUTO 221 Principles of Hybrid and Electric Drives (1.6 Unit)**
Hours: 72 (27 lecture, 45 lab)
Study of hybrid, plug-in hybrid and electric vehicle powertrains. Topics include high-voltage battery packs, inverters and motor-generators. This lecture/demonstration course will include hands-on exercises using a second generation Toyota Prius in a lab setting. Course is suitable for anyone interested in advanced automotive technology.
Transfer Information: CSU Transferable

**AUTO 290 Work Experience In Automotive Service And Technology (1-4 Units)**
Hours: 300 (300 lab)
Automotive majors only. Students must be enrolled in at least one class (other than Work Experience) in their major, plus have a major-related work experience station. Supervised automotive employment for students whose career objectives, automotive course studies and employment complement each other. The student must be employed in an occupation directly related to the Automotive major. Must also be enrolled in no less than seven (7) units, including Work Experience. Course restricted to 3 repetitions

# Bio-Medical Sciences (BMS)
## Credit Courses

**BMS 100 The Human Body (4 Units)**
Course Advisories: One semester High School Biology.
Hours: 108 (54 lecture, 54 lab)
Structure and function of the human body. Non-technical introduction to anatomy, physiology, exercise, fitness and nutrition. Laboratory experiments in human physiology; study of human anatomical materials. Satisfies SBCC General Education requirement in Natural Sciences, and Anatomy and Physiology requirements for SBCC LVN program. Does not satisfy requirements for ADN majors.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BMS 107 Human Anatomy (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Structure of the human body. Laboratory includes study of a human anatomical specimen and comparative anatomy. Transferable to all four-year institutions, including nursing schools.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BMS 107D Human Anatomy Discussion (1 Unit)**
Corequisites: BMS 107.
Hours: 18 (18 lecture)
Concurrent Discussion and problem solving course designed for students currently enrolled in BMS 107.
Transfer Information: CSU Transferable, UC Transferable

**BMS 108 Human Physiology (4 Units)**
Course Advisories: BMS 107, CHEM 101 or CHEM 104.
Hours: 108 (54 lecture, 54 lab)
Functions of the human body. Laboratory emphasizes recording physiological data from each student. Transferable to all four-year institutions, including nursing schools. Satisfies SBCC General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BMS 108D Human Physiology Discussion (1 Unit)**
Corequisites: BMS 108.
Hours: 18 (18 lecture)
Concurrent Discussion and problem-solving course designed for students currently enrolled in BMS 108.
Transfer Information: CSU Transferable, UC Transferable

**BMS 110 Physiology of Exercise (3 Units)**
Course Advisories: BMS 107 and BMS 108.
Hours: 54 (54 lecture)
This course provides and in-depth analysis into the effects of acute and chronic physical activity on the structure and function of the human body. Specific emphasis on the chemistry, anatomy, physiology, and physical principles of exercise will be provided. The course will also include analyses of cellular respiration, biomechanics, the musculoskeletal system, body composition, ergogenic aids, athletic performance and other variables influencing exercise training, performance, and adaptations.
Transfer Information: CSU Transferable, UC Transferable

**BMS 110L Physiology of Exercise Laboratory (1 Unit)**
Corequisites: BMS 110.
Hours: 54 (54 lab)
Prerequisite or Laboratory investigations of the effects of acute and chronic physical activity on the structure and function of the human body utilizing various fitness assessment methodologies.
Transfer Information: CSU Transferable, UC Transferable

**BMS 118 Human Microanatomy (3 Units)**
Hours: 54 (54 lecture)
Functional histology of the human body. Cell structure and function; architecture, control and integration of cells in tissues of all major organs.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BMS 119A Human Dissection: Head and Neck (1 Unit)**
Prerequisites: BMS 107.
Hours: 54 (54 lab)
Directed dissection of the head and neck of a cadaver.
Transfer Information: CSU Transferable, UC Transferable

**BMS 119B Human Dissection: Appendages (1 Unit)**
Prerequisites: BMS 1119A.
Hours: 54 (54 lab)
Directed dissection of the appendages of a cadaver.
Transfer Information: CSU Transferable, UC Transferable

**BMS 119C Human Dissection: Torso (1 Unit)**
Prerequisites: BMS 119B.
Hours: 54 (54 lab)
Directed dissection of the external and internal structures of the torso of a cadaver.
Transfer Information: CSU Transferable, UC Transferable

**BMS 127 Medical Microbiology (4 Units)**
Prerequisites: CHEM 101 or one year of high school chemistry or CHEM 104 or CHEM 155.
Course Advisories: BMS 108, BIOL 100.
Hours: 108 (54 lecture, 54 lab)
Surveys the microorganisms that contribute to human health and human disease. Biology of bacteria, viruses, fungi and a variety of Eukaryotic organisms will be investigated; emphases includes the structural and metabolic diversity of microorganisms, and the molecular and cellular basis of host-microbe interactions.
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BMS 128 Human Nutrition (3 Units)**
Hours: 54 (54 lecture)
Nutritional needs of the human body. Studies individual, local, national and world nutritional efforts.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**BMS 128L Human Nutrition Laboratory (1 Unit)**
Corequisites: BMS 128.
Hours: 54 (54 lab)
Laboratory investigations of human nutrition; nutritional analysis of food; and guidelines for prevention of chronic diseases through diet.
Transfer Information: CSU Transferable, UC Transferable

### BMS 136 Biology Of Human Sexuality (3 Units)
Hours: 54 (54 lecture)
Biological aspects of human sexuality. Fundamental principles and current research focused on the anatomy and physiology of reproductive systems, hormonal control of reproduction, diversity of sexual responses, sexual arousal, basic genetics and heredity, early human development, pregnancy, birth, causes and treatments of infertility, sexually transmitted infections, contraception, age-related changes in sexual function and behavior, sexual dysfunction and comparative sexual behaviors.
Transfer Information: CSUGE Area B2, CSUGE Area E, IGETC Area 5B, CSU Transferable, UC Transferable

### BMS 146 Human Form and Function (3 Units)
Course Advisories: CHEM 101.
Hours: 54 (54 lecture)
Descriptive introduction to the structure and function of the human body.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, CSU Transferable, UC Transferable

### BMS 146L Human Form and Function Laboratory (1 Unit)
Corequisites: BMS 146.
Hours: 54 (54 lab)
Prerequisite or Laboratory exercises covering the structure and function of the human body for non-clinical students entering the HIT/CIM programs. Along with BMS 146 it satisfies SBCC General Education requirement in Natural Sciences. Does not satisfy requirements for SBCC LVN or ADN majors.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, CSU Transferable, UC Transferable

### BMS 157 General Microbiology (4 Units)
Prerequisites: CHEM 101 or one year of high school chemistry with a minimum grade of C or CHEM 104 or CHEM 155.
Course Advisories: BIOL 100, BMS 108.
Hours: 108 (54 lecture, 54 lab)
Surveys the biology and ecology of various microbiological taxa: bacteria, archaea, viruses, fungi, protists, and microscopic animals. Emphasis placed on their symbiotic roles in nature, as well as on their evolution, taxonomy, metabolism, and genetics. Associated biotechnological techniques and industrial applications are explored.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

# Biology (BIOL)
## Credit Courses

### BIOL 100 Concepts Of Biology (4 Units)
Hours: 108 (54 lecture, 54 lab)
Basic concepts of biology. Designed for non-biological sciences majors with no prior general biology course. Satisfies SBCC General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

### BIOL 101 Plant Biology (4 Units)
Prerequisites: MATH 107 or MATH 110C or MATH 137C or SS 110C or equivalent based on SBCC's Assessment Center placement via multiple measures.
Course Advisories: Eligibility for ENG 110 or 110H.
Hours: 108 (54 lecture, 54 lab)
Principles of biology, with emphasis on major plant groups. Anatomy, physiology, evolution, and diversity of the archaea, bacteria, algae, fungi and plantae. Required for the Biological Sciences major. Satisfies SBCC General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

### BIOL 102 Animal Biology (5 Units)
Prerequisites: MATH 110C or MATH 137C or MATH 107 or SS 110C or equivalent based on SBCC's Assessment Center placement via multiple measures.
Course Advisories: BIOL 101, ENG 110 or ENG 110H.
Hours: 162 (54 lecture, 108 lab)
Principles of animal taxonomy, evolution, population and community ecology; protist and animal diversity and adaptations; emphasis on vertebrate anatomy and physiology. Required for the Biological Sciences major.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

### BIOL 103 Cell and Molecular Biology (5 Units)
Prerequisites: CHEM 155 or CHEM 104, MATH 107 or MATH 110C or MATH 137C or SS 110C or equivalent based on SBCC's Assessment Center placement via multiple measures.
Course Advisories: ENG 110 or ENG 110H.
Hours: 162 (54 lecture, 108 lab)
Cell structure and function: molecular architecture, reproduction and growth; mechanisms of genetics; intercellular communication; cell and organ system physiology; life's origin. Study scientific literature with instruction in critical thinking, composition and logical analyses of ideas and experiments. Required for Biological Sciences majors. Satisfies SBCC General Education requirement in Communication and Analytical Thinking.
SBCC General Education: SBCCGE Area A, SBCCGE Area D2
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

### BIOL 103A Cell and Molecular Biology (3.5 Units)
Prerequisites: CHEM 155 or CHEM 104 MATH 107 or MATH 110C or MATH 137 or MATH 149 or SS 110C or equivalent based on SBCC's Assessment Center placement via multiple measure.
Hours: 63 (63 lecture)
Cell structure, function and molecular mechanisms of: metabolism, molecular transport, gene expression, mutations and repair, cell signaling, and cell division and death. Introduction to standard and novel laboratory techniques, and critical analysis of scientific literature and data. Required for Biological Sciences majors.
Transfer Information: CSU Transferable

**BIOL 103L Cell and Molecular Biology Laboratory (1.5 Unit)**
Corequisites: BIOL 103A.
Hours: 81 (81 lab)
Prerequisite or Investigations of molecular properties, gene regulation and genetic mutations using molecular biological and biochemical approaches. Use of traditional and modern laboratory techniques including, but not limited to DNA and protein extraction, Western blot, Molecular Cloning, Genome editing and PCR. Development and testing of hypotheses, critical analysis and interpretation of data, and composition of formal lab reports in independent and collaborative settings. Required for Biological Sciences majors.
Transfer Information: CSU Transferable

**BIOL 110 Natural Science (3 Units)**
Hours: 54 (54 lecture)
Physical and chemical principles underlying biological architecture and function. In combination with BIOL 141, BIOL 110 satisfies General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE Area A, SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, CSUGE Area B2, IGETC Area 5A, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 112 Evolution and Adaptation (3 Units)**
Hours: 54 (54 lecture)
Principles of biological evolution, diversity of life on earth, and a survey of living and extinct organisms. Investigates theories of life's origin, modes of speciation and adaptations of dominant life forms through the ages.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 116 Biological Illustration (4 Units)**
Course Advisories: ART 120.
Hours: 108 (54 lecture, 54 lab)
Traditional and contemporary techniques of scientific illustration of biological subjects for technical and medical print and electronic publications.
Transfer Information: CSU Transferable

**BIOL 118 Nature Photography (3 Units)**
Hours: 54 (54 lecture)
Photography of biological subjects. Camera, light and the special methods of field and wildlife photography.
Transfer Information: CSU Transferable

**BIOL 120 Natural History (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Survey of the natural environment through studies of Earth's ecosystems, with emphasis on the plant and animal inhabitants and the influences of cosmic, geological and meteorological phenomena. Weekly field trips.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BIOL 122 Ecology (3 Units)**
Hours: 54 (54 lecture)
Organisms and populations as integrated elements of communities and ecosystems. Covers population structure; growth and evolution; relationships between species including competition, predation and coevolution; community structure and development; biodiversity; and biogeography.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 123 Ecology Laboratory (1 Unit)**
Corequisites: BIOL 122.
Hours: 54 (54 lab)
Laboratory and field investigations of ecological principles.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**BIOL 124 Biological Oceanography (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Relationships between marine plants and animals and physical characteristics of Earth's oceans. Emphasis on marine organisms found in the open sea, their characteristics and ecological relationships. Biological sampling techniques and physical measurements studied in laboratory and at sea.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BIOL 125 Marine Biology (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Study of marine plants and animals, with emphasis on local organisms and their ecological adaptations. Laboratory includes visits to local coastal and marine ecosystems.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BIOL 126 Aquatic Ecosystems (3 Units)**
Hours: 54 (54 lecture)
Diversity of life associated with marine and freshwater aquatic ecosystems; ecological relationships and adaptations to life in water.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 130 Methods in Field Biology (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Through weekly field trips and 2-3 weekend field experiences, students study flora and fauna of California using current biological and ecological field research methods, collect and analyze data, demonstrate leadership and group work skills, and write and present a research proposal. Students must be able to hike in rough terrain and carry bulky equipment.
Transfer Information: CSU Transferable

**BIOL 133 Ecology of Morro Bay Area (1 Unit)**
Hours: 36 (9 lecture, 27 lab)
Field course focusing on organisms and ecology of California coastal ecosystems (e.g., mudflats, salt marsh, rocky outer coast). Weekend, overnight field trip required.
Transfer Information: CSU Transferable

**BIOL 140 Principles of Biology (3 Units)**
Hours: 54 (54 lecture)
Basic principles of cells, genetics, evolution, biodiversity and ecology. Designed for Natural History majors. Satisfies Natural Science General Education requirement when combined with Bio 141.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 141 Biology Laboratory (2 Units)**
Corequisites: BIOL 110 or BIOL 112 or BIOL 140.
Hours: 72 (18 lecture, 54 lab)
Prerequisite or Laboratory investigation of biological principles and techniques of investigation.
SBCC General Education: SBCCGE Area A, SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**BIOL 142 Marine Science (3 Units)**
Hours: 54 (54 lecture)
Introduction to physical oceanography and marine biology. Exploration of ocean ecosystems and organisms including tropics, poles, temperate and deep-sea regions. Marine environmental issues and solutions.
Transfer Information: CSUGE Area B1, CSUGE Area B2, IGETC Area 5A, CSU Transferable, UC Transferable

**BIOL 144 Biogeography (3 Units)**
Hours: 54 (54 lecture)
Survey of the history, distribution and diversity of life and the methods by which biodiversity is defined and measured.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 150 Biodiversity (3 Units)**
Hours: 54 (54 lecture)
Broad introduction to life on Earth including diversity, adaptations and evolutionary history; principles of ecology and evolution; and examination of how life evolved and the tree of life is constructed using fossil evidence, comparative morphology and genomics.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 161 DNA and Society (3 Units)**
Hours: 54 (54 lecture)
Introduction to DNA structures and functions, heredity, genetics, biotechnology, cloning, genetically modified organisms, and stem cells from a biological perspective; relevant ethical issues and implications for society and the individual will be explored. Satisfies SBCC General Education requirement in Natural Sciences.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 171 Human Evolution (3 Units)**
Hours: 54 (54 lecture)
Evolution of Humans from early primate ancestors to modern humans including cultural, genetic and anatomical changes.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 172 Symbiosis (3 Units)**
Hours: 54 (54 lecture)
Origin and nature of biological partnerships. Symbiotic relations from microbial landscapes to global ecology. Emphasis on ecological, behavioral and chemical exchanges between organisms and ecosystems.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**BIOL 291 Seminars in Biology (2 Units)**
Hours: 36 (36 lecture)
Topics of current interest in the Biological Sciences are presented in seminar format by invited researchers and students enrolled in the course. Emphasis on research and presentation skills, including analysis of primary literature.
Transfer Information: CSU Transferable

**BIOL 295 Internship In Biology (2-4 Units)**
Limitations on Enrollment: Student must have completed 12 units at SBCC with a G.P.A. of 2.5 and a minimum of 6 units with a G.P.A. of 3.0 in the Biological Sciences Department.
Hours: 273 (273 lab)
Structured, on-the-job experience in a field directly related to the student's area of interest in the biological sciences.
Transfer Information: CSU Transferable

**BIOL 298 Independent Reading in Biology (1-4 Units)**
Hours: 192 (192 lab)
Independent literature search and/or reading of material on a topic in biology. A final report, including an annotated bibliography, is required.
Transfer Information: CSU Transferable

**BIOL 299 Independent Research In Biology (1-4 Units)**
Limitations on Enrollment: Student must have completed 12 units at SBCC with a G.P.A. of 2.5 and a minimum of 6 units with a G.P.A. of 3.0 in the Biological Sciences Department.
Hours: 192 (192 lab)
Independent, systematic research investigation of a problem in biology. A final report on research conducted is required. May be taken multiple times for credit. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Black Studies (BLST)
## Credit Courses

**BLST 101 The African-American In U.S. History To World War II (3 Units)**
Hours: 54 (54 lecture)
Historical survey of Black people in American society and culture, from the African background to World War II, with special emphasis on contributions, institutions, trends, movements and problems relevant to Black America. A balanced emphasis is placed on social, political, economic and intellectual considerations. This is a lecture course with an emphasis on discussion.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, CSU US-1, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**BLST 102 The African-American In U.S. History, From Civil Rights Movement To Present (3 Units)**
Hours: 54 (54 lecture)
Comprehensive examination of the history of Black people in American society and culture from the Civil Rights Movement to the present, with special emphasis on contributions, institutions, trends, movements and problems relevant to Black America. The award-winning film series, Eyes on the Prize, serves as a focal point.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**BLST 102H The African-American in U.S. History, from Civil Rights to Present, Honors (4 Units)**
Hours: 72 (72 lecture)
Comprehensive examination of the history of Black people in American society and culture from the Civil Rights Movement to the present, with special emphasis on contributions, institutions, trends, movements and problems relevant to Black America. The award-winning film series, Eyes on the Prize, serves as a focal point.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable

**BLST 103 African-American Culture (3 Units)**
Hours: 54 (54 lecture)
Analysis of what it means to be Black in America. Historical, sociological and anthropological methods are used to examine African-American culture and its relationship to the larger society.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**BLST 111 The African-American Music Experience (3 Units)**
Hours: 54 (54 lecture)
Survey and appreciation of basic concepts in music, via examination of the principal developments in the primitive, folk and classical music of African-Americans as culture for the non-music major.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**BLST 113 African-American And Afro-Caribbean Literature In The U.S. (3 Units)**
Hours: 54 (54 lecture)
Designed to increase the knowledge and appreciation of Black American and Afro Caribbean literature in the United States. Examines the story, novel, poem and essay genres.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

# Botany (BOT)
## Credit Courses

**BOT 100 Concepts of Botany (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Plant structure and function; the role of plants in the biosphere and society. Laboratory includes field studies. Designed for non-Biological Sciences majors with no prior general botany course.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BOT 121 Plant Diversity (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Plant diversity, adaptations and evolutionary history; principles of ecology and evolution.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BOT 122 Flowering Plant Identification (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Botanical classification, methods of identification, and recognition of important California plant species and families.
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

**BOT 123 Field Botany (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Flora and major plant communities of California. Evolution via natural selection (i.e., plant adaptations and selective pressures), geographic distribution of plant communities, indigenous uses, field identification, and biological conservation. Field lectures, laboratories, and camping. Multiple field trips varying from one to four days in length.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

# Business Administration (BUS)
## Credit Courses

**BUS 101 Introduction To Business (3 Units)**
Hours: 54 (54 lecture)
Examines economic activity in the American free enterprise system. Provides students with a broad understanding of: social responsibility and ethics, government regulations, business law, globalization, technology and e-commerce, economic and financial systems, securities markets, management, marketing, accounting and finance.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D, CSU Transferable, UC Transferable

**BUS 240 The Business of Entertainment (3 Units)**
Same as: FP 240
Hours: 54 (48 lecture)
Study of the Entertainment business focusing on the management and marketing of an Entertainment product in TV, film, music, theater and digital media with an emphasis on practical deal-making and negotiation skills.
Transfer Information: CSU Transferable

**BUS 290 Work Experience in Business Administration (1-4 Units)**
Hours: 300 (300 lab)
Consists of supervised employment for students whose career objectives, course of study and employment complement each other. Students must accomplish specific course objectives. Class meetings on campus are scheduled each semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Business Law (BLAW)
## Credit Courses

**BLAW 101 Business Law (4 Units)**
Course Advisories: BUS 101.
Hours: 72 (72 lecture)
Fundamental legal principles pertaining to business transactions. Introduction to the legal process. Topics include sources of law and ethics, contracts, torts, agency, criminal law, business organizations, and judicial and administrative processes.
Transfer Information: CSU Transferable, UC Transferable

**BLAW 110 Legal Environment of Business (4 Units)**
Course Advisories: BUS 101.
Hours: 72 (72 lecture)
Study of the law concerned with the courts, business enterprises, ethics, the Constitution, torts, crimes, contracts, commercial paper, real/personal property, secured transactions, security regulations, bankruptcy, employment, antitrust, administrative and international law.
Transfer Information: CSU Transferable, UC Transferable

# Cancer Information Management (CIM)
## Credit Courses

**CIM 100 Cancer Registry Management I (3 Units)**
Hours: 54 (54 lecture)
Introduction to hospital-based and central cancer registries; legal issues; confidentiality; standard-setting organizations; types of cancer registries and other disease registries; data users, computer applications; quality control; and registry operations, including case ascertainment and registry files.
Transfer Information: CSU Transferable

**CIM 125 Cancer Disease Management (4 Units)**
Prerequisites: HIT 135 and BMS 146.
Corequisites: CIM 100.
Hours: 72 (72 lecture)
Overview of the oncology disease process, using principles from anatomy, physiology and chemistry; diagnostic and staging procedures (laboratory, pathology, imaging and surgery); Treatments (surgery, radiation, chemotherapy, immunotherapy, etc.); emphasis on the major sites of cancer; Overview of clinical trials/research protocols.
Transfer Information: CSU Transferable

**CIM 150 Oncology Coding And Staging Systems (4 Units)**
Prerequisites: CIM 125.
Hours: 72 (72 lecture)
Overview of oncology coding and staging systems (ICD-O-3, SSS2K, AJCC, the MP/H rules, and the Hematopoietic DB/Manual). Focus on coding clinical information from medical records; staging and extent of disease concepts used by physicians and cancer surveillance organizations; and the rules used to determine the number of primaries.
Transfer Information: CSU Transferable

**CIM 201 Abstracting Principles And Practice I (3 Units)**
Prerequisites: HIT 135.
Corequisites: CIM 125 Prior or concurrent enrollment in CIM 125.
Hours: 54 (54 lecture)
Identification/selection of appropriate clinical information from medical records for capture on the abstract, in a manner consistent with cancer registry regulatory core data requirements.
Transfer Information: CSU Transferable

**CIM 202 Abstracting Principles And Practice II (3 Units)**
Prerequisites: CIM 201.
Corequisites: Prior or concurrent enrollment in CIM 150.
Hours: 54 (54 lecture)
Application of the principles of cancer registry abstracting. Identification, selection, and recording of appropriate cancer-related information consistent with regulatory requirements. Manual quality control edits of abstracted information to assure timeliness, completeness and accuracy of data.
Transfer Information: CSU Transferable

**CIM 225 Cancer Registry Management II (2 Units)**
Corequisites: Prior or concurrent enrollment in CIM 100.
Hours: 36 (36 lecture)
Overview of management reports, cancer reporting to the central registry and the NCDB, survival analysis, clinical practice guidelines, uses of central cancer registry data, standard setters and professional organizations, central cancer registries, geographic information systems, federal and other types of registries, clinical trials, and cancer registries in other countries.
Transfer Information: CSU Transferable

**CIM 250 Cancer Statistics And Epidemiology (3 Units)**
Prerequisites: CIM 201.
Corequisites: CIM 202, prior or concurrently.
Hours: 54 (54 lecture)
Introduction to cancer statistics, descriptive and analytic epidemiology, cancer surveillance, annual report preparation, presentation of cancer data and special studies. Use of cancer statistical data for marketing and strategic planning.
Transfer Information: CSU Transferable

**CIM 275 CIM Practicum (4.5 Units)**
Prerequisites: CIM 202 and 225 and 250.
Corequisites: HIT 240 prior to or concurrent.
Hours: 135 (54 lecture, 81 lab)
A comprehensive course providing a focused overview and instructional coaching and application of aspects of cancer registry operations including casefinding, abstracting, coding, staging, data analysis and usage, registry organization, follow-up, data quality insurance, and cancer program accreditation. This includes five competency assessments of five core competencies of casefinding, abstracting, coding and staging, analysis and data usage, follow-up and data quality assurance, and Cancer Program Accreditation. Competency is demonstrated by earning a certificate of competency on each competency-based assessment.
Transfer Information: CSU Transferable

# Certified Nursing Assistant (CNA)
## Credit Courses

**CNA 101 Certified Nursing Assistant (6 Units)**
Limitations on Enrollment: Must pass physical exam and have current CPR card specifying "For Health Care Provider," current immunizations and a copy of Social Security card.
Course Advisories: ENG 098.
Hours: 191 (64 lecture, 127 lab)
Content follows the California State-approved CNA curriculum which teaches basic care-giving skills focusing on the elderly. Upon completion, student meets requirements to take the CA CNA test that grants CNA certification. Students must apply through the Health Technologies office.
Transfer Information: CSU Transferable

**CNA 102 Home Health Aide (1.8 Unit)**
Corequisites: Prior or concurrent enrollment in CNA 101.
Limitations on Enrollment: Up-to-date physical exam, immunizations, and CPR card specifying "For Health Care Provider," and a Social Security Card.
Hours: 51 (25 lecture, 26 lab)
Content builds upon the basics taught in the CNA course, focusing on care of the client in the home. On completion, student receives a CA Home Health Aide license (HHA).
Transfer Information: CSU Transferable

**CNA 103 Acute Care Skills For The CNA (1.5 Unit)**
Corequisites: Prior or concurrent enrollment in CNA 101.
Limitations on Enrollment: Must pass physical exam and hold current CPR card specifying "For Health Care Provider" and a Social Security card.
Hours: 45.5 (18 lecture, 27.5 lab)
The long-term care skills of the CNA are expanded to include basic nursing skills used in an acute-hospital setting. Classroom lecture and supervised experience in an acute-care hospital included.

# Chemistry (CHEM)
## Credit Courses

**CHEM 101 Introductory Chemistry (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Introduction to Chemistry, with laboratory. Topics include atomic structure; matter and energy; the Periodic Table; chemical properties and reactions; nomenclature; behavior of gases, liquids, and solids; intermolecular forces; acid-base chemistry; and nuclear chemistry. Recommended for non-science majors as a science with a laboratory course or as a preparatory course for CHEM 155.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**CHEM 101W Workshop for Introductory Chemistry (1 Unit)**
Corequisites: CHEM 101.
Hours: 54 (54 lab)
Study skill development and supplementary problem-solving for CHEM 101.

**CHEM 104 Fundamentals Of General, Organic And Biological Chemistry (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Introduction to chemistry, with emphasis on chemical principles and their application to biological systems and processes. Approximately half of the semester covers general chemistry topics, with the remainder covering an introduction to organic chemistry topics and biochemistry topics. Recommended for non-science majors, especially those in the fields of allied health, nursing (ADN), and physical education.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**CHEM 110 Survey of Chemistry (3 Units)**
Hours: 54 (54 lecture)
Introduction to atoms, molecules, chemical reactions, and a survey of general chemistry, organic chemistry, biochemistry and applications for the sciences.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**CHEM 155 General Chemistry I (5 Units)**
Prerequisites: CHEM 101 or CHEM 104 or One year of high school chemistry, MATH 107 or MATH 110C or MATH 137C or SS 110C or or equivalent based on SBCC's Assessment Center placement via multiple measures.
Course Advisories: ENG 110 or ENG 110H.
Hours: 126 (72 lecture, 54 lab)
First semester of a two-semester General Chemistry course sequence. Includes laboratory. Topics include the structure of atoms and molecules, stoichiometry, types of chemical bonding and chemical reactions, gas laws, molecular structure, acid-base chemistry, and thermodynamics. Laboratory focuses on collection and interpretation of data, and includes spectroscopy. Required for science, engineering and pre-dental and pre-medical majors.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**CHEM 155W Workshop for General Chemistry I (1 Unit)**
Hours: 54 (54 lab)
Concurrent: CHEM 155. Study skill development and supplementary problem-solving for CHEM 155.

**CHEM 156 General Chemistry II (5 Units)**
Prerequisites: CHEM 155.
Hours: 126 (72 lecture, 54 lab)
Second semester of a two-semester General Chemistry course sequence. Includes laboratory. Topics include thermodynamics, chemical equilibrium, chemical kinetics, electrochemistry, and chemical applications. Laboratory focuses on collection and interpretation of data, and includes quantitative analysis and spectroscopy. Required for science, engineering and pre-dental and pre-medical majors. (CAN CHEM 4 or CAN CHEM SEQ A [with CHEM 155])
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**CHEM 156W Workshop for General Chemistry II (1 Unit)**
Hours: 54 (54 lab)
Concurrent: CHEM 156. Study skill development and supplementary problem-solving for CHEM 155.

**CHEM 211 Organic Chemistry I (3 Units)**
Prerequisites: CHEM 156.
Hours: 54 (54 lecture)
First semester of a two-semester Organic Chemistry course sequence. Topics cover the study of fundamental principles of organic chemistry and includes structure, functional groups, nomenclature, stereochemistry, organic reactions, syntheses and mechanisms, as well as spectroscopic methods. Intended for students in chemistry, chemical engineering, biology, pre-med, pre-dental, and related programs. Concurrent enrollment in CHEM 221 recommended.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**CHEM 212 Organic Chemistry II (3 Units)**
Prerequisites: CHEM 211.
Hours: 54 (54 lecture)
Second semester of a two-semester Organic Chemistry course sequence. Topics further study the fundamental principles of organic chemistry, with emphasis on organic syntheses and reaction mechanisms, as well as spectroscopic methods. Intended for students in chemistry, chemical engineering, biology, pre-med, pre-dental, and related programs. Concurrent enrollment in CHEM 222 recommended.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**CHEM 221 Organic Chemistry Laboratory I (2.3 Units)**
Corequisites: CHEM 211.
Hours: 90 (18 lecture, 72 lab)
First-semester Organic Chemistry laboratory. Focuses on organic chemistry laboratory techniques, including techniques of separation, purification, and identification of organic compounds. Includes IR spectroscopy, distillation, crystallization, extraction, determination of physical properties, and microscale techniques.
Transfer Information: CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**CHEM 222 Organic Chemistry Laboratory II (2.5 Units)**
Prerequisites: CHEM 221.
Corequisites: CHEM 212.
Hours: 135 (135 lab)
Second-semester Organic Chemistry laboratory. Focuses on organic syntheses and corresponding organic chemistry laboratory techniques, including techniques of separation, purification, and identification of organic compounds. Includes IR spectroscopy, NMR, distillation, crystallization, extraction, determination of physical properties, and microscale techniques.
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**CHEM 299 Independent Study in Chemistry (1-4 Units)**
Limitations on Enrollment: To be eligible for independent study, a student must have completed 12 units at SBCC with a GPA of 2.5 and a minimum of 6 units with a GPA of 3.0 in the Chemistry Department.
Hours: 192 (192 lab)
Independent, systematic research investigation of a problem in chemistry. A final report on research conducted is required. For chemistry students who are capable and interested in pursuing studies in chemistry at a level beyond that covered in regular classes. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Chicano Studies (CHST)
## Credit Courses

**CHST 101 Mexican-American (Chicano) History In The U.S. (3 Units)**
Hours: 54 (54 lecture)
Examines the role of the Mexican-Americans and other Latinos/as in U.S. history. Attention is given to economic, social, political and cultural experiences of Mexican-Americans.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, CSU US-1, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**CHST 102 The Chicano And Latino In U.S. History, From The 1960's To The Present (3 Units)**
Hours: 54 (54 lecture)
Comprehensive examination of the history of Chicanos and Latinos in American society from the 1960s to the present. The institutions, movements, personalities, contributions and issues of these people are explored. Specifically, in this course, we will locate the political, economic, social, and gendered experience in the U.S.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**CHST 103 Mexican-American (Chicano) Culture (3 Units)**
Hours: 54 (54 lecture)
Examines the Mexican-American experience by focusing on the culture, its historical development and its place in American society.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area F, IGETC Area 3B, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**CHST 113 Introduction to Chicano/Mexican-American Literature (3 Units)**
Hours: 54 (54 lecture)
Comprehensive examination of Mexican-American/Chicana and Chicano literary production: poetry, novel, short story, drama, and essay. Examines the literary expression of the Mexican-American/Chicana and Chicano and his/her quest for a rightful place in society.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area F, IGETC Area 3B, IGETC Area 7, CSU Transferable, UC Transferable

**CHST 114 Borderlands Literature: U.S.-Mexico (3 Units)**
Hours: 54 (54 lecture)
Survey of the literary expression of the U.S.-Mexico border, from the 1500s to the present, focusing on the development of cultural paradigms between the two countries. Comparisons are made with the literature of other nations and borderlands.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**CHST 115 Introduction To Mexican Literature (3 Units)**
Hours: 54 (54 lecture)
Survey of the literary expression of the Mexican people. Comparisons are made with American literature and the literature of other nations.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**CHST 121 The Chicana And Other Latina Women (3 Units)**
Hours: 54 (54 lecture)
Examination of the role of the women of Mexican ancestry (Chicanas) and other Latina women in American society. Uses a sociological approach to examine the family, religion, education, economics, social conditions, health and other areas.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area D3, CSUGE Area F, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**CHST 130 History Of Mexican Art (3 Units)**
Hours: 54 (54 lecture)
Survey of modern Mexican art and its antecedents. Consideration is also given to the influence of Mexican art. Besides using methods of artistic analysis, the class also uses historical and sociological methods to examine the Mexican-American experience.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**CHST 131 History Of Chicano Art (3 Units)**
Hours: 54 (54 lecture)
Examines the development of the art of the Chicano people, from Pre-Columbian days until the modern period.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**CHST 160 Chicano Theatre (3 Units)**
Same as: TA 160
Hours: 54 (54 lecture)
Survey of Chicano and Latino theater, its historical roots, techniques, styles and literature. Students explore and analyze the origins and development of various related forms in the context of the Chicano culture of the American Southwest and Mexico.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

# Chinese (CHIN)
## Credit Courses

**CHIN 101 Beginning Chinese I (5 Units)**
Hours: 90 (90 lecture)
Introduction to the essential tools of communication in Chinese. Course aims at acquisition of four basic skills in modern Chinese (listening, speaking, reading and writing) based on the fundamentals of the sound system, pinyin, syntax, grammar and vocabulary. Introduction to Chinese writing systems and culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**CHIN 102 Beginning Chinese II (5 Units)**
Prerequisites: CHIN 101 or two years of high school Chinese or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Essentials of spoken and written Mandarin Chinese through the study of vocabulary, Pin-Yin system, syntax, grammar and culture. Continues the introduction to the essential tools of communication in modern Chinese. Aims at the acquisition of four basic skills in modern Chinese: speaking, listening comprehension, reading and writing-based on the fundamentals of the sound system, basic grammar and vocabulary.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**CHIN 103 Intermediate Chinese (5 Units)**
Prerequisites: CHIN 102, or 3 years of high school Chinese or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
With integrated pedagogical and authentic materials, students learn vocabulary, advanced grammar and culture to master "spoken style" Chinese for topics of every-day life.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**CHIN 120 Beginning Conversation (2 Units)**
Prerequisites: CHIN 101 or two years of high school Chinese or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Promotion of free and spontaneous oral expression in Mandarin Chinese at the elementary level.
Transfer Information: CSU Transferable

# Communication (COMM)
## Credit Courses

**COMM 101 Introduction to Communication (3 Units)**
Hours: 54 (54 lecture)
Introduction to the field of communication, with emphasis on the history of communication study, theories of communication, communication contexts, and issues in communication studies. Also serves as an introduction to the strands of communication studies, including interpersonal, group, rhetoric, intercultural, organizational and mass communication.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

**COMM 121 Interpersonal Communication (3 Units)**
Hours: 54 (54 lecture)
Introduction to principles and skills of effective communication in interpersonal relationships, with a focus on verbal and nonverbal channels, person perception, conflict resolution, listening, and communication barriers. Study includes social science research and presentational speaking.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable

**COMM 121H Interpersonal Communication, Honors (3 Units)**
Limitations on Enrollment: Admission to Program.
Hours: 54 (54 lecture)
Introduction to principles of effective communication in interpersonal relationships, with a focus on verbal and nonverbal channels, person perception, conflict resolution, listening, and communication barriers. Study includes social science research and presentational speaking. In-depth exploration of selected concepts of COMM 121.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable

**COMM 122 Mediated Interpersonal Communication (3 Units)**
Course Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to the principles of interpersonal communication with an emphasis on self-analysis, interpersonal relationship dynamics, research and effective oral presentation.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable

**COMM 131 Fundamentals Of Public Speaking (3 Units)**
Hours: 54 (54 lecture)
Instruction in public speaking, stressing audience analysis, organization and support of ideas. Students prepare and deliver speeches on topics of current concern. Video recorded replays and instructor evaluation provide feedback on performance.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable

**COMM 131H Fundamentals Of Public Speaking, Honors (3 Units)**
Limitations on Enrollment: Honors course.
Hours: 54 (54 lecture)
Instruction in public speaking honors aims to help students prepare and deliver speeches on topics of current concern. In this process, honors students will also learn how to conduct an audience analysis, organize speeches, and find evidence to support ideas. Students will receive feedback on speech preparation, speech performance, speech analysis.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable

**COMM 141 Small Group Communication (3 Units)**
Hours: 54 (54 lecture)
Introduction to communication skills in task-oriented small groups. Includes experiential focus on planning and implementation of small group projects, decision-making and problem-solving methods, along with task and social dimensions of effective group process.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable

**COMM 142 Leadership in a Global Society (3 Units)**
Course Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Explores leadership concepts needed to effectively lead for a more inclusive and just society. Students analyze real world problems across a variety of categories to better understand the need for informed, effective, and inclusive leadership in today's world. Examines how everyday people can make social change through inclusive, ethical, and informed leadership.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D, CSU Transferable, UC Transferable

**COMM 151 Intercultural Communication (3 Units)**
Hours: 54 (54 lecture)
Provides an introduction to communication between people from different cultures. Focuses on the application of theory and research to intercultural communication. The topics and activities are designed to develop communication skills that improve competence in intercultural situations.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

**COMM 161 Communication in Organizations (3 Units)**
Hours: 54 (54 lecture)
This course examines communication in various organizational situations, focusing on the use of effective communication strategies for achieving organizational and individual goals. Emphasis is placed on identifying and amending ineffective communication within organizations.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, CSU Transferable, UC Transferable

**COMM 162 Mediated Communication in Organizations (3 Units)**
Hours: 54 (54 lecture)
Examines communication in various organizational situations, focusing on the use of effective communication strategies for achieving organizational and individual goals. Emphasis placed on identifying and amending ineffective communication within organizations based on organizational communication theory.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, CSU Transferable, UC Transferable

**COMM 171 Mass Media and Society (3 Units)**
Hours: 54 (54 lecture)
Exploration of the history, effects and role of the mass media in the U.S. Major forms of mass communication are studied. Study focuses on critical analysis of media messages, effects of media on the individual and society, and theories of communication. Students move beyond being "consumers" of media to "analysts" of media.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D7, IGETC Area 4C, CSU Transferable, UC Transferable

**COMM 200 Rhetoric of Pop Culture (3 Units)**
Hours: 54 (54 lecture)
Overview, history and critical analysis of popular culture in the United States as a mediator of cultural values and attitudes. Evaluates representations of popular culture by analyzing multiple artifacts from various theoretical perspectives. Examines pop culture artifacts as products of mass communication rooted in underlying values of American society. Focuses on developing critical thinking concerning assumptions regarding race, class and gender imbedded in popular culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSU Transferable, UC Transferable

**COMM 235 Argumentation and Debate (3 Units)**
Prerequisites: ENG 110 or ENG 110H or ENG 110E.
Hours: 54 (54 lecture)
Theory, practice, and criticism of public advocacy. The use of propositions, evidence, reasons, and the general rhetorical strategies of symbolic action to promote and advance one's public or civic interests.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E4
Transfer Information: CSUGE Area A1, CSUGE Area A3, IGETC Area 1B, IGETC Area 1C, CSU Transferable, UC Transferable

**COMM 288 Communication Research Methods (3 Units)**
Course Advisories: COMM 101.
Hours: 54 (54 lecture)
Introduction to the theoretical and practical concerns underlying procedures most commonly used in communication research. Students evaluate findings of communication research and understand research methods. Serves as preparation for advanced coursework in communication.
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

**COMM 289 Communication Theory (3 Units)**
Course Advisories: COMM 101.
Hours: 54 (54 lecture)
Introduction to major theories of human communication, Designed to give students critical understanding of key themes in the field, and to show how theories illuminate the nature of human interaction. Designed to prepare students for upper-division coursework in communication.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

**COMM 295 Internship in Communication (2-4 Units)**
Hours: 273 (273 lab)
Structured internship program in which students gain experience with community organizations related to the discipline. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**COMM 299 Independent Study in Communication (1-4 Units)**
Limitations on Enrollment: Six units of Communication courses completed with a grade point average of 3.5 or higher.
Hours: 192 (192 lab)
Minimum of 12 units of coursework completed at SBCC with GPA of at least 3.0. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# Computer Applications and Office Management (COMP)

## Credit Courses

**COMP 101 Introduction to Computer Applications (4 Units)**
Course Advisories: COMP 151A.
Hours: 72 (72 lecture)
Introduction to computer applications for use "at work and home." Microsoft Office, (Word, Excel, Access, PowerPoint) including Windows operating system, plus open source software, social networking and Web2.0 productivity tools for collaborative teamwork.
Transfer Information: CSU Transferable, UC Transferable

**COMP 103 Internet Communications (1 Unit)**
Hours: 18 (18 lecture)
Introduction to Internet communications and how and when to (safely) use them, including the World Wide Web, search engines, e-mail, chat, discussion, blogs, social networking tools, Web2.0, and Instant messaging/texting.
Transfer Information: CSU Transferable

**COMP 107 Microsoft Word (4 Units)**
Course Advisories: COMP 151AB.
Hours: 72 (72 lecture)
Designed for all computer users, course covers core features of Microsoft Word. Topics include page numbers, headers/footers, sections, styles, templates, outlines, graphics, Internet documents for Internet/intranet, columns, tables. Projects include reports, resumes, forms, letters, mailing labels, newsletters, web pages. Covers topics in Microsoft Certified Application Specialist (MCAS) certification. Taught by MCAS-certified instructor.
Transfer Information: CSU Transferable

**COMP 109 Microsoft Excel (4 Units)**
Hours: 72 (72 lecture)
Covers core spreadsheet skills using Microsoft Excel and also introduces the student to some of the advanced features of Excel, including functions and formulas, creating workbooks/worksheets, formatting, graphs and charts.
Transfer Information: CSU Transferable

**COMP 111 Microsoft Access (4 Units)**
Course Advisories: COMP 101.
Hours: 72 (72 lecture)
Introduction to the Microsoft Access database management system. This application course includes creating and maintaining database tables, creating macros, querying database tables, designing forms and creating reports.
Transfer Information: CSU Transferable

**COMP 112 Microsoft Powerpoint (4 Units)**
Course Advisories: COMP 123.
Hours: 72 (72 lecture)
Plan, create, modify and deliver effective presentations on-screen, in-person and remotely on the Web, utilizing basic to expert features of Microsoft PowerPoint.
Transfer Information: CSU Transferable

**COMP 120 Being Successful with Canvas (1 Unit)**
Hours: 18 (18 lecture)
Introduction to online tools used in Canvas. Topics include Canvas discussion boards and e-mail, uploading assignments, managing files, troubleshooting hardware/software/ browser issues, and installing utilities, etc.
Transfer Information: CSU Transferable

**COMP 123 Introduction To Microsoft Word (1 Unit)**
Course Advisories: COMP 151A.
Hours: 18 (18 lecture)
Use of essential Word features to create and format documents quickly: research papers in MLA or APA style, fliers and resumes. For general student use in any course.
Transfer Information: CSU Transferable

**COMP 139 Social Networking for Business (0.5 Units)**
Hours: 9 (9 lecture)
Social networking tools such as Facebook, Twitter, LinkedIn, blogs, Wikipedia, and YouTube are being used by businesses worldwide. Learn how to use these tools effectively to promote, influence, and sell. Learn best practices, dos and don'ts.
Transfer Information: CSU Transferable

**COMP 144A Google World (1 Unit)**
Course Advisories: COMP 103.
Hours: 18 (18 lecture)
Students explore the newest applications in "Google world," such as Google Docs, forms, Calendar, Blogger, sites, and more. Can you really do everything online, free, with Google?
Transfer Information: CSU Transferable

**COMP 144B Google World (3 Units)**
Course Advisories: COMP 103.
Hours: 54 (54 lecture)
Students explore and learn to use the newest applications in "Google world" such as Google docs (documents, spreadsheets, presentations), forms, calendar, blogger, Wave, Reader, and more. Can you really do everything online, free, with Google?
Transfer Information: CSU Transferable

**COMP 151A Basic Computer Keyboarding (1.5 Unit)**
Hours: 27 (27 lecture)
Introduction to computer keyboarding skills that enable the student to work more effectively and quickly with a computer. Emphasis on touch keyboarding of alphabetic and numeric keys and symbols.
Transfer Information: CSU Transferable

**COMP 151AB Beginning Computer Keyboarding (3 Units)**
Hours: 54 (54 lecture)
Introduction to computer keyboarding skills that enable student to work more effectively and quickly. Emphasis on touch keyboarding of alpha and numeric keys. After developing basic keyboarding skills, student creates correspondence and reports using Microsoft Word.
Transfer Information: CSU Transferable

**COMP 161C Business Career Success (3 Units)**
Course Advisories: COMP 101.
Hours: 54 (54 lecture)
Soft skills required for a successful business career. Includes understanding the business environment, preparing a job search, job-finding and job-keeping skills, managing online persona, team dynamics, business-social skills, communication and presentation skills.

**COMP 171 Business English (3 Units)**
Hours: 54 (54 lecture)
Review of English fundamentals necessary to communicate effectively for personal and professional success, including grammar, sentence structure, punctuation and word usage, with practical writing applications such as reviews and reports, and using digital technology to communicate with others.
Transfer Information: CSU Transferable

**COMP 271 Business Communications (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: COMP 171.
Hours: 54 (54 lecture)
Develop excellent written and face-to-face communication skills for business. Write effective business documents including letters, reports, emails, resumes, messages. Learn strategies for communicating in Internet/digital environment (blogs, social networking, etc.).
Transfer Information: CSU Transferable

# Computer Information Systems (CIS) Credit Courses

**CIS 101 Introduction to Computers and Information Systems (4 Units)**
Hours: 72 (72 lecture)
Introduction to the role of computer information systems within modern organizations. Topics include hardware and software functions, programming, systems development and networks. Students use computers for programming as well as popular microcomputer applications such as word processing, spreadsheets and database management.
SBCC General Education: SBCCGE Area D2
Transfer Information: CSU Transferable, UC Transferable

**CIS 107 Introduction to Database Systems (4 Units)**
Course Advisories: CIS 101.
Hours: 72 (72 lecture)
Introduction to relational database management concepts. Includes database creation, manipulation, modification and reporting; queries using SQL and Query-by-Example (QBE); and database design and normalization.
Transfer Information: CSU Transferable, UC Transferable

**CIS 111 Computer User Support (2 Units)**
Course Advisories: CIS 101.
Hours: 36 (36 lecture)
Computer user support methodologies; focus on understanding interpersonal skills required for user support.
Transfer Information: CSU Transferable

**CIS 112 Help Desk Concepts (2 Units)**
Course Advisories: CIS 101.
Hours: 36 (36 lecture)
Introduction to computer help desk methodologies using the ITIL framework.
Transfer Information: CSU Transferable

**CIS 114 Virtualization Concepts (2 Units)**
Course Advisories: CIS 218.
Hours: 36 (36 lecture)
Introduction to virtualization concepts, with an overview of virtualization products. Creation, configuration and management of virtual machines. Provides occupational preparation for information systems professionals such as PC support personnel, computer programmers, network/systems managers and related technical and operations administration personnel.
Transfer Information: CSU Transferable, UC Transferable

**CIS 115 Cloud Computing Essentials (2 Units)**
Course Advisories: CIS 112 and CIS 101.
Hours: 36 (36 lecture)
Introduction to cloud computing. Implementation, management, security and privacy issues associated with cloud computing. Provides occupational preparation for information systems professionals such as PC support personnel, computer programmers, network/system managers and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 116 Cloud Implementation (3 Units)**
Course Advisories: CIS 114 and CIS 115.
Hours: 54 (54 lecture)
Implementing cloud services in the enterprise. Provides occupational preparation for information systems professionals such as PC support personnel, computer programmers, network/system managers, and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 117 Introduction to SQL Programming (2 Units)**
Course Advisories: CIS 101.
Hours: 36 (36 lecture)
Incorporate SQL to retrieve, insert, update and delete information from relational databases. Create row and aggregate functions, inner and outer joins, set operations, subqueries and parameter queries.
Transfer Information: CSU Transferable

**CIS 119 Introduction To Programming Using Visual Basic (4 Units)**
Course Advisories: CIS 101.
Hours: 72 (72 lecture)
Fundamental programming concepts and application development for students new to programming. Covers flowcharting and pseudocode; algorithms and program structure; control structures; objects, events and variables; modular design, sub-programs and functions; and file processing.
Transfer Information: CSU Transferable, UC Transferable

**CIS 120 Introduction to NoSQL Databases (2 Units)**
Course Advisories: CIS 107 or CIS 117.
Hours: 36 (36 lecture)
Introduction to NoSQL databases. Fundamentals of NoSQL databases and survey of NoSQL products.
Transfer Information: CSU Transferable, UC Transferable

**CIS 181 Technical And Professional Writing (3 Units)**
Same as: ENG 181
Hours: 54 (54 lecture)
Writing course designed to teach professional-level written communication in technical fields.
Transfer Information: CSU Transferable

**CIS 200 Windows PowerShell (2 Units)**
Course Advisories: CIS 218.
Hours: 36 (36 lecture)
Automate system administration functions in Windows using Windows PowerShell. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers and related technical and operations-administration personnel.
Transfer Information: CSU Transferable

**CIS 201 UNIX/LINUX System Administration (4 Units)**
Course Advisories: CIS 218 or CS 130.
Hours: 72 (72 lecture)
Introduction to UNIX and Linux system administration. Occupational preparation for PC-support personnel, programmers and network systems managers.
Transfer Information: CSU Transferable, UC Transferable

**CIS 206 MS Windows Server System Administration (4 Units)**
Course Advisories: CIS 218.
Hours: 72 (72 lecture)
Introduction to Microsoft Windows Server, with emphasis on system administration. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers, and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 209 Visual Basic .Net Programming (4 Units)**
Course Advisories: CIS 119.
Hours: 72 (72 lecture)
Windows programming using Visual Basic forms, controls, menus, procedures, arrays and error-handling techniques. Accessing files and databases. Designed for students familiar with programming concepts but little or no experience with Visual Basic.
Transfer Information: CSU Transferable, UC Transferable

**CIS 213 MS Exchange Server Administration (3 Units)**
Course Advisories: CIS 206.
Hours: 54 (54 lecture)
Introduction to Microsoft Exchange Server with emphasis on system administration. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers and related technical and operations/administration personnel.
Transfer Information: CSU Transferable

**CIS 218 MS Windows Desktop System Administration (4 Units)**
Course Advisories: CIS 101.
Hours: 72 (72 lecture)
Introduction to Microsoft Windows desktop system administration. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers, and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 219 VMware vSphere System Administration (3 Units)**
Course Advisories: CIS 114 and either CIS 201 or 206.
Hours: 54 (54 lecture)
Introduction to VMware vSphere system administration. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 220 Introduction To Electronic Commerce (3 Units)**
Same as: MKT 220
Hours: 54 (54 lecture)
Survey of electronic commerce and the use of the Internet to conduct business. Includes an interdisciplinary exploration of the issues, trends, opportunities and technologies which shape electronic commerce.
Transfer Information: CSU Transferable

**CIS 222 MS Azure Cloud Administration (3 Units)**
Course Advisories: CIS 114 and CIS 116 and CIS 206.
Hours: 54 (54 lecture)
Introduction to configuration and administration of Microsoft Azure cloud services. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers and technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 224 Apache Web Server Administration (2 Units)**
Course Advisories: CIS 201 or 206.
Hours: 36 (36 lecture)
Install, configure and trouble-shoot the Apache Web Server on multi-platform environments.
Transfer Information: CSU Transferable

**CIS 228 Apple macOS System Administration (4 Units)**
Course Advisories: CIS 101.
Hours: 72 (72 lecture)
Introduction to macOS desktop and server administration. Provides occupational preparation for information systems professionals, such as PC support personnel, network/systems managers and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 231 SQL Server Design And Programming (3 Units)**
Course Advisories: CIS 117 or CIS 107 and CIS 119.
Hours: 54 (54 lecture)
Designing and implementing SQL Server databases. Programming in Transact-SQL. Designed for students and professionals seeking Microsoft certification.
Transfer Information: CSU Transferable

**CIS 232 SQL Server Database Administration (3 Units)**
Course Advisories: CIS 206 and CIS 231.
Hours: 54 (54 lecture)
Administering, backing up and recovering SQL Server databases. Designed for students and professionals seeking Microsoft certification.
Transfer Information: CSU Transferable, UC Transferable

**CIS 234 Oracle Design and Programming (4 Units)**
Course Advisories: CIS 117 or CIS 107.
Hours: 72 (72 lecture)
Programming in SQL and creating basic PL/SQL procedures. Designed for students and professionals seeking Oracle certification.
Transfer Information: CSU Transferable

**CIS 235 Oracle PL/SQL Programming (4 Units)**
Course Advisories: CIS 234.
Hours: 72 (72 lecture)
Programming PL/SQL procedures, functions, triggers, packages and object types in Oracle's SQL*Plus and Procedure Builder environments. Designed for students and professionals seeking Oracle certification.
Transfer Information: CSU Transferable

**CIS 236 Oracle Database Administration (3 Units)**
Course Advisories: CIS 201 or CIS 206 or CIS 234.
Hours: 54 (54 lecture)
Administering, backing up and recovering Oracle databases. Designed for students and professionals seeking Oracle certification.
Transfer Information: CSU Transferable, UC Transferable

**CIS 237 Advanced SQL Programming (2 Units)**
Course Advisories: CIS 107 or CIS 117.
Hours: 36 (36 lecture)
Using SQL to clean and consolidate data; perform correlated subqueries and recursive common table expression retrievals; write SQL queries; and access object-relational data, query within JSON string fields.
Transfer Information: CSU Transferable, UC Transferable

**CIS 238 Data Warehousing SQL Server (3 Units)**
Course Advisories: CIS 107 or CIS 117.
Hours: 54 (54 lecture)
Using Microsoft SQL Server to create data warehouses and analyze warehoused data.
Transfer Information: CSU Transferable

**CIS 239 Crystal Reports (2 Units)**
Course Advisories: CIS 107, CIS 117.
Hours: 36 (36 lecture)
Developing database-independent reports using Crystal Reports.
Transfer Information: CSU Transferable

**CIS 243 Systems Analysis and Design (4 Units)**
Course Advisories: CIS 101.
Hours: 72 (72 lecture)
Analyzing and designing information systems. Information gathering, cost-benefit analysis, systems modeling techniques and prototyping.
Transfer Information: CSU Transferable, UC Transferable

**CIS 245 IT Project Management (4 Units)**
Course Advisories: CIS 101.
Hours: 72 (72 lecture)
Introduction to information technology project management.
Transfer Information: CSU Transferable

**CIS 246 Management of Information Technology (3 Units)**
Course Advisories: CIS 101.
Hours: 54 (54 lecture)
Introduction to the management of information technology.
Transfer Information: CSU Transferable

**CIS 251 Advanced SQL Server Programming (4 Units)**
Course Advisories: CIS 231.
Hours: 72 (72 lecture)
SQL Server programming using advanced features of Transact-SQL. Coding functions, procedures and triggers using Common Language Runtime integration are explored.
Transfer Information: CSU Transferable

**CIS 252 MySQL Design and Programming (3 Units)**
Course Advisories: CIS 107 or 117.
Hours: 54 (54 lecture)
Programming in SQL and creating basic procedures and functions in MySQL. Designed for students and professionals seeking MySQL certification.
Transfer Information: CSU Transferable, UC Transferable

**CIS 253 Business Intelligence with Microsoft SQL Server (4 Units)**
Course Advisories: CIS 238.
Hours: 72 (72 lecture)
Implementing and designing business intelligence solutions with Microsoft SQL Server. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers, and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 254 MongoDB Design and Programming (3 Units)**
Course Advisories: CIS 120.
Hours: 54 (54 lecture)
Designing and programming using MongoDB document database.
Transfer Information: CSU Transferable, UC Transferable

**CIS 255 Apache Cassandra Design and Programming (3 Units)**
Course Advisories: CIS 120.
Hours: 54 (54 lecture)
Designing and programming an Apache Cassandra database.
Transfer Information: CSU Transferable, UC Transferable

**CIS 258 Data Analytics with R (3 Units)**
Course Advisories: CIS 101.
Hours: 54 (54 lecture)
Introduction to R programming concepts for data analytics. Includes data types in R, data structures, importing and manipulating data, computing basic descriptive statistics, and data visualization fundamentals.
Transfer Information: CSU Transferable, UC Transferable

**CIS 262 VMware Desktop Administration (3 Units)**
Course Advisories: CIS 219 CIS 206.
Hours: 54 (54 lecture)
Virtual desktop administration using VMware Horizon View. Provides occupational preparation for information systems professionals, such as PC-support personnel, computer programmers, network/systems managers, and related technical and operation administration personnel.
Transfer Information: CSU Transferable

**CIS 263 Microsoft System Center Configuration Manager Administration (3 Units)**
Course Advisories: CIS 206.
Hours: 54 (54 lecture)
Administering and deploying Microsoft System Center Configuration Manager. Provides occupational preparation for information systems professionals, such as PC support personnel, computer programmers, network/systems managers, and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 264 AWS Cloud Computing Architecture (3 Units)**
Course Advisories: CIS 116.
Hours: 54 (54 lecture)
Introduction to Amazon Web Services cloud architecture and implementation. Provides occupational preparation for information systems professionals such as network/systems managers and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 265 Google Cloud Computing Architecture (2 Units)**
Course Advisories: CIS 116.
Hours: 36 (36 lecture)
Introduction to Google Cloud architecture and implementation. Provides occupational preparation for information systems professionals such as network/systems managers and related technical and operations administration personnel.
Transfer Information: CSU Transferable

**CIS 290 Work Experience In Computer Information Systems (1-4 Units)**
Hours: 300 (300 lab)
Supervised employment for students whose career objectives, course of study and employment complement each other. Students must accomplish specific course objectives. Class meetings on campus are scheduled each semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Computer Network Engineering (CNEE)

## Credit Courses

**CNEE 101 Introduction to Computers and Networks (4 Units)**
Hours: 72 (72 lecture)
Technical introduction to computers and networks. It provides a thorough understanding of basic computer and network components and how they are implemented in a system. Topics include computer hardware and software, standards, protocols, terminology and concepts.
Transfer Information: CSU Transferable, UC Transferable

**CNEE 102 A+ Computers and Network Support (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Technical introduction to managing and maintaining PC hardware, peripherals, mobile devices and network equipment. Prepares for A+ Certification exams. Includes hands-on lab activities.
Transfer Information: CSU Transferable

**CNEE 106 Telecommunications And WAN (3 Units)**
Hours: 54 (54 lecture)
Introduction to voice, data and video communications. Overview of the telecommunications industry, customer premises equipment, switched and private networks, transmission media, fiber optics, T-1 technology, channel banks, switching and signaling; advanced telecommunications services, local area networks, wide area networks, Internet, ISDN, personal computing systems and telecommunications protocols.
Transfer Information: CSU Transferable

**CNEE 109 Introduction to Internet of Things (IoT) (3 Units)**
Hours: 54 (54 lecture)
Theoretical introduction to the Internet of Things. Identifying, designing, prototyping, and presenting an IoT solution that securely solves a current problem. Data analysis theories and practice- analytics of IoT sensors and Artificial Intelligence.
Transfer Information: CSU Transferable, UC Transferable

**CNEE 110 Networking Essentials (4 Units)**
Course Advisories: CNEE 102.
Hours: 108 (54 lecture, 54 lab)
Introduction to networking components and systems including networking standards, protocols, operating systems, security, media and hardware. Prepares students for CompTIA N+ Certification.
Transfer Information: CSU Transferable

**CNEE 112 Managing and Maintaining Computer Software - A+ (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Technical introduction to managing and maintaining computer software. Prepares for A+ Software Certification exam. Includes hands-on lab activities.
Transfer Information: CSU Transferable

**CNEE 120 Introduction to Cybersecurity (4 Units)**
Course Advisories: CNEE 110.
Hours: 108 (54 lecture, 54 lab)
Fundamentals of Cybersecurity principles and implementation. Covers authentication, attacks and malicious code, threats and countermeasures, security topologies, intrusion detection, cryptography, firewalls and physical security concepts.
Transfer Information: CSU Transferable

**CNEE 124 IInternetworking with Tcp/Ip (4 Units)**
Course Advisories: CNEE 110.
Hours: 108 (54 lecture, 54 lab)
Introduction to TCP/IP Protocol suite, including IPv4 and IPv6 addressing, name resolution, and other concepts and information relevant to setting up and using TCP/IP-based networks.
Transfer Information: CSU Transferable

**CNEE 125 CCNAI-Introduction to Switching and Routing (5 Units)**
Course Advisories: CNEE 110.
Hours: 126 (72 lecture, 54 lab)
First half of CCNA certification preparation. Networking concepts, switching, static and dynamic routing.
Transfer Information: CSU Transferable

**CNEE 126 CCNA II Advanced Routing and Switching (5 Units)**
Course Advisories: CNEE 125.
Hours: 126 (72 lecture, 54 lab)
Second half of CCNA certification preparation. Advanced routing and switching concepts.
Transfer Information: CSU Transferable

**CNEE 135 CCNP Advanced Routing (4 Units)**
Course Advisories: CNEE 126.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 004 or MATH 041.
Hours: 108 (54 lecture, 54 lab)
Advanced Cisco routing configurations including OSPF, EIGRP, BGP and extended IP addressing. Provides classroom and laboratory experience in current and emerging technologies leading to CCNP Routing certification exam.
Transfer Information: CSU Transferable

**CNEE 137 CCNP Advanced Switching (4 Units)**
Course Advisories: CNEE 126.
Hours: 108 (54 lecture, 54 lab)
Planning, configuring and verifying the implementation of complex enterprise switching solutions that use the Cisco Enterprise Campus Architecture.
Transfer Information: CSU Transferable

**CNEE 138 CCNP Advanced Troubleshooting (4 Units)**
Course Advisories: CNEE 137, CNEE 135.
Hours: 108 (54 lecture, 54 lab)
Advanced troubleshooting for complex enterprise routed and switched networks. Provides classroom and laboratory experience in troubleshooting leading to CCNP Certification.
Transfer Information: CSU Transferable

**CNEE 146 CCNA Security - Firewalls and VPNs (4 Units)**
Course Advisories: CNEE 125.
Hours: 108 (54 lecture, 54 lab)
An advanced networking course on installation, configuration and operation of network security on Cisco routers and ASA firewalls, including AAA, access control, intrusion detection, NAT, and VPNs.
Transfer Information: CSU Transferable

**CNEE 148 CCNA Cybersecurity Operations (4 Units)**
Course Advisories: CNEE 125.
Hours: 108 (54 lecture, 54 lab)
Advanced cybersecurity course. network security concepts, and techniques used in a Security Operations Center (SOC) to find threats on a network using a variety of popular security tools. Prepares for CCNA Cyber Ops certification.
Transfer Information: CSU Transferable

**CNEE 175 Cisco Network Associate Review (1.5 Unit)**
Course Advisories: CNEE 126.
Hours: 45 (18 lecture, 27 lab)
Intensive course designed as a review of Cisco Network Associate principles.
Transfer Information: CSU Transferable

**CNEE 206 MS Windows Network Infrastructure (3 Units)**
Course Advisories: CNEE 110 and CIS 206.
Hours: 72 (45 lecture, 27 lab)
Introduction to MS Windows network infrastructure. Installation, configuration, management and support of DHCP, DNS, Active Directory, security and Internet services. Includes hands-on lab activities.
Transfer Information: CSU Transferable

**CNEE 295 Internship In Computer Network Engineering And Electronics (4 Units)**
Hours: 273 (273 lab)
Structured internship program in which students gain experience with community organizations related to the discipline.
Transfer Information: CSU Transferable

# Computer Science (CS)

## Credit Courses

**CS 101 Computer Concepts (4 Units)**
Hours: 72 (72 lecture)
Survey of the concepts of computer hardware and software, with emphasis on the latest technologies and programming. Topics include, but are not limited to, the Internet, productivity applications, databases, programming and numbering systems. Suitable for all majors and is a recommended first course for Computer Science majors.
SBCC General Education: SBCCGE Area D2
Transfer Information: CSU Transferable, UC Transferable

**CS 104 Introduction to Programming (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Exposes students to the fundamental concepts of programming using an object-oriented language and is intended as an introductory-level programming course. Ideal for beginners and also serves as the first course in a sequence that is compliant with the standards of the Association for Computing Machinery.
Transfer Information: CSU Transferable, UC Transferable

**CS 105 Theory and Practice I (3 Units)**
Course Advisories: CS 101 or CS 104.
Hours: 90 (36 lecture, 54 lab)
Study of fundamental programming concepts. Topics include structured and OOP programming, definition of data types, nested IFs, looping techniques, CASE statements, procedures, functions, value and address parameters, file structures, dynamic list structures and recursion.
Transfer Information: CSU Transferable, UC Transferable

**CS 106 Theory and Practice II (3 Units)**
Prerequisites: CS 105.
Hours: 90 (36 lecture, 54 lab)
Study of data structures and algorithms. Design, coding and testing of linked lists, trees, queues, stacks, hash tables, and other dynamic data structures, as well as searching and sorting algorithms. Time and space analysis of data structures and algorithms. Programs are written in the Java language.
Transfer Information: CSU Transferable, UC Transferable

**CS 107 Computer Architecture and Organization (3 Units)**
Prerequisites: CS 105.
Hours: 90 (36 lecture, 54 lab)
The organization and behavior of real computer systems at the assembly-language level. The mapping of statements and constructs in a high-level language into sequences of machine instructions is studied, as well as the internal representation of simple data types, pointers, structures, and non-numeric data. Numerical computation is also examined.
Transfer Information: CSU Transferable, UC Transferable

**CS 108 Discrete Structures (4 Units)**
Prerequisites: CS 105.
Course Advisories: ENG 103.
Hours: 72 (72 lecture)
Introduction to the study of discrete objects, with a focus on applications in computer science. Topics include logic and proofs, sets, functions, sequences, sums, algorithms, integers, induction, recursion, counting, relations, graphs and trees, and discrete probability.
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**CS 111 HTML And Webmastering (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Project-oriented course focusing on the creation of web pages and the technology behind the web. Includes Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), Forms, Extensible Markup Language (XML), Common Gateway Interface (CGI) and Content Management Systems (CMS). Students must also enroll in a CS 111 lab.
Transfer Information: CSU Transferable

**CS 114 Intermediate Python (3 Units)**
Course Advisories: CS 104 or CS 105.
Hours: 90 (36 lecture, 54 lab)
Project-oriented exploration of intermediate aspects of the Python programming language. Teaches "pythonic" programming while exploring intermediate level topics like developing and deploying python programs, interacting with local and remote resources, web application development, and aspects of object-oriented and functional programming. It also features problem-solving with python across multiple domains (e.g. neural networks, graphics, media computation, mapping and data visualization), software engineering principles and debugging techniques.
Transfer Information: CSU Transferable, UC Transferable

**CS 115 Javascript Programming (3 Units)**
Course Advisories: CS 105.
Hours: 90 (36 lecture, 54 lab)
Project-oriented introduction to JavaScript programming and frameworks. Application domains include client-side web applications, server side programming and games.
Transfer Information: CSU Transferable, UC Transferable

**CS 116 Web Server Programming (3 Units)**
Course Advisories: CS 111 or CS 120.
Hours: 90 (36 lecture, 54 lab)
Project-oriented class that explores programming a Web server using PERL, Active Server Pages (ASP), Personal Home Pages (PHP) and Python, with an emphasis on PERL and PHP. Class develops Common Gateway Interface (CGI) scripts and Internet applications using these common tools. Includes such topics as e-commerce, security, browser independence and database integration.
Transfer Information: CSU Transferable

**CS 118 Data Science for All (4 Units)**
Same as: MATH 118
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 108 (54 lecture, 54 lab)
Introduction to data science using real-world data sets from a variety of disciplines while also presenting inherent uncertainties and issues associated with exploring data. Exposes students to foundational statistical concepts and inferential thinking by learning computation methods in a commonly used programming language such as Python.
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**CS 123 Android Programming (1.5 Unit)**
Course Advisories: CS 120 or 125.
Hours: 42 (18 lecture, 24 lab)
Project-based course covering the development of applications for the Android platform. Students use state-of-the-art tools and frameworks to build and analyze programs that incorporate user interfaces, web services, animation, multimedia, and location awareness.
Transfer Information: CSU Transferable, UC Transferable

**CS 130 Introduction to the Linux Operating System (2.5 Units)**
Course Advisories: CS 101.
Hours: 63 (36 lecture, 27 lab)
Survey of the Unix/Linux operating system and related subject matter. Topics include Unix/Linux architecture, commands, file system, processes, and bash shell environment. Lectures and computer laboratory exercises provide a moderate-depth understanding of Unix/Linux architecture and commands from a computer science perspective.
Transfer Information: CSU Transferable, UC Transferable

**CS 132 Digital Logic Design (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to digital systems and logic design. Logic of propositions, boolean algebra, minterm and maxterm expansions, Karnaugh maps, Quine-McCluskey methods, multi-level circuits, combinational and sequential circuit design and timing diagrams, multiplexers, decoders, programmable logic devices, latches and flip-flops, finite state machines, registers and counters, register transfer language, simulation and debugging.
Transfer Information: CSU Transferable, UC Transferable

**CS 133 Introduction to Programming for Engineers (3 Units)**
Prerequisites: MATH 150.
Course Advisories: CS 101 or CS 104 or CIS 101.
Hours: 90 (36 lecture, 54 lab)
Students learn to use a modern programming environment (e.g. MATLAB) to become proficient in computer-based problem-solving methods that are relevant to science and engineering. Students are introduced to the fundamentals of procedural and object-oriented programming, numerical analysis, and data structures. Examples and assignments are drawn from practical applications in engineering, physics, and mathematics.
Transfer Information: CSUGE Area B4, CSU Transferable, UC Transferable

**CS 134 Version Control with Git (2.5 Units)**
Hours: 62 (36 lecture, 26 lab)
Study of a version control system named Git. Topics include basic and advanced Git command-line operations, internals, visual GUI-based tools, and repository hosting (e.g. GitHub). The course also covers other related topics, including DevOps, continuous integration, and examines open-source libraries used in fields such as Data Science. Assignments and laboratory exercises are drawn from applications in software development, and provide an in-depth understanding of how to manage files in a repository shared by multiple users.
Transfer Information: CSU Transferable

**CS 137 C Programming (3 Units)**
Course Advisories: CS 107 or CS 105.
Hours: 90 (36 lecture, 54 lab)
Study of the programming language C. Definition of data types, loop controls structures, functions, parameter passing, pointers, recursion, records data structures, and the UNIX operating system.
Transfer Information: CSU Transferable, UC Transferable

**CS 140 Object-Oriented Programming Using C++ (4 Units)**
Course Advisories: CS 120 or CS 137.
Hours: 108 (54 lecture, 54 lab)
Study of the object-oriented programming paradigm, including objects, messages, encapsulation, classes, inheritance and implementation issues. Implementations written in the object-oriented language C++.
Transfer Information: CSU Transferable, UC Transferable

**CS 165 Software Design Patterns (1.5 Unit)**
Course Advisories: CS 105.
Hours: 45 (18 lecture, 27 lab)
Introduction to software design patterns and their use in object-oriented systems. Creational, structural and behavioral patterns are investigated. Real world examples by acknowledged experts are studied. Students strengthen their software design skills by applying patterns in course projects. State of the art development tools are used throughout the course.
Transfer Information: CSU Transferable, UC Transferable

**CS 180 Software Engineering With UML (3 Units)**
Course Advisories: CS 105.
Hours: 90 (36 lecture, 54 lab)
Study of software engineering and component-based design using the Unified Modeling Language (UML). Students employ a standard software engineering process that includes requirements analysis, design, implementation and testing. Students learn about various UML diagrams and use them to express software requirements and designs. The course investigates rapid application development using state-of-the-art tools and component libraries.
Transfer Information: CSU Transferable, UC Transferable

**CS 187 iOS Programming (3 Units)**
Course Advisories: CS 105.
Hours: 90 (36 lecture, 54 lab)
Project-oriented course in developing Objective-C based native applications for the iOS devices (e.g. iPhone, iPad). Covers development tools (Xcode, Interface Builder, Instruments). Objective-C language, Cocoa and Cocoa Touch frameworks, as well as deployment to the App store.
Transfer Information: CSU Transferable, UC Transferable

**CS 189 Programming Practicum (1 Unit)**
Hours: 18 (18 lecture)
Programming course focused on rapid team-based problem solving techniques. Problems are rapidly classified based on difficulty and the ability to partition the problem across the team. Algorithms are developed to solve those problems using standard tools and libraries. Emphasis on leadership skills, team dynamics, and team problem solving. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Construction Technology (CT)
# Credit Courses

**CT 104 Basic Construction Skills (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Introduction to basic construction skills for residential wood construction. Designed for students interested in a career in home construction, focusing on career overview, safety, work ethics, tool use and basic framing.

**CT 110 Beginning Construction (4.7 Units)**
Hours: 144 (54 lecture, 90 lab)
Introduction to a career in building trades. Topics include safety, planning, foundations, floor framing, wall framing roof framing, plumbing, electrical and siding.
Transfer Information: CSU Transferable

**CT 111 Beginning Construction Trades (4.7 Units)**
Hours: 144 (54 lecture, 90 lab)
Introduction to basic construction skills and concepts of the sub-trades involved in residential wood construction: concrete work, roofing, sheetrock, insulation, plumbing and electrical. Overview of trades, designed for students interested in a career in home construction.
Transfer Information: CSU Transferable

**CT 112 Framing (3 Units)**
Course Advisories: Eligibility for English 98.
Hours: 72 (45 lecture, 27 lab)
Intermediate-level class in rough framing skills and concepts in residential framing. Designed for continuing students who have taken CT 110 and for carpenters with some experience in residential framing. Topics include safety, foundations, framing hardware, exterior siding, special wall construction, stair framing and special topics in framing.
Transfer Information: CSU Transferable

**CT 113 Roof Framing (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Intermediate-level class in rough framing skills and concepts in residential wood construction, with emphasis on roof framing. Designed for continuing students who have taken CT 110 and for carpenters with some experience in residential framing. Topics include safety, layout, rafter design, rake walls and cornice treatment.
Transfer Information: CSU Transferable

**CT 114 Beginning Finish Carpentry (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Introduction to finish carpentry, with emphasis on residential wood construction. Designed for students who have already taken CT 110 or who have some prior experience in carpentry or construction. Topics include safety, tool care, door hanging, door and window casing, baseboard, crown molding, flooring and closet shelf and pole.
Transfer Information: CSU Transferable

**CT 115 Intermediate Finish Carpentry (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Intermediate finish carpentry, with emphasis on residential wood construction. Designed for students who have taken CT 110 or have some prior experience in carpentry or construction. Topics include cabinet installation and construction, built-ins, paneling and wainscoting.
Transfer Information: CSU Transferable

**CT 116 Blueprint Reading (3 Units)**
Hours: 54 (54 lecture)
Introduction to blueprint reading in residential construction. Topics include understanding the uses of blueprints, types of plans, drafting conventions, contents of plans, focus on floor plans, elevations and sections, using the architectural scale, drafting simple plans, and shop drawings from plans.
Transfer Information: CSU Transferable

**CT 118 Measuring and Calculating (3 Units)**
Hours: 54 (54 lecture)
Introduction to measuring and calculating used in residential wood construction. Topics include working with common and decimal fractions, using the standard tape measure, using a calculator for construction, estimating material, understanding the special triangles used in roof rafter calculations, rafter length calculation, and stair stringer calculation.
Transfer Information: CSU Transferable

**CT 120 Building Green (4 Units)**
Hours: 72 (72 lecture)
Overview of Green Building approach and coverage of design, planning and construction details of sustainable building, including site protection, water conservation, solar and electrical energy efficiency, health and indoor air quality, green material and efficient on-site material management.

**CT 122 Building Green (6 Units)**
Hours: 108 (108 lecture)
Overview of Green Building approach to design, planning and construction details in sustainable building. Includes site protection, water conservation and management, energy efficiency, solar heating and PV, material efficiency, deconstruction, insulation, indoor air quality, building performance, and alternative building techniques.
Transfer Information: CSU Transferable

**CT 123 Outdoor Structures (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Designing and building outdoor structures (trellises, pergolas, gazebos, sheds, gateways, decks, etc.). Topics include foundations, finished framing, roofs, hardware, joints, weatherproofing, etc.).
Transfer Information: CSU Transferable

**CT 124 Building Performance (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Overview of building performance (assessment, diagnosis, and remediation) in residential construction. Topics include: building science, diagnostic testing, visual inspection, remediation, customer relations, and business and job opportunities.
Transfer Information: CSU Transferable

**CT 125 Introduction to Photovoltaic Systems (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Overview of Photovoltaic (PV) systems and installations. Topics include: solar radiation, site survey, system components and configurations, batteries, inverters, system sizing, mechanical and electrical integration.
Transfer Information: CSU Transferable

**CT 130 Contractors License Prep (3 Units)**
Hours: 54 (54 lecture)
A combination online and mandatory in-class course, divided into two eight-week sessions, law and trade, to prepare the student for taking the California State Contractors License Exam in the General Contractor (B-1) category.

**CT 132 Lighting Systems (3 Units)**
Hours: 54 (54 lecture)
Basic function, operation, installation, and characteristics of various lighting systems.
Transfer Information: CSU Transferable

**CT 133 Motors, Motor Controllers and Process Controllers (3 Units)**
Hours: 54 (54 lecture)
Basic function, operation, installation, and characteristics of various types of motors (AC, DC, Dual Voltage, Repulsion, Universal, 3 Phase, Squirrel Cage, Synchronous).
Transfer Information: CSU Transferable

**CT 134 Transformers (3 Units)**
Hours: 54 (54 lecture)
Basic function, operation, installation, and characteristics of transformers.
Transfer Information: CSU Transferable

**CT 135 Grounding Systems (3 Units)**
Hours: 54 (54 lecture)
Basic function, operation, and characteristics of grounding systems.
Transfer Information: CSU Transferable

**CT 136 Electrical Theory (3 Units)**
Hours: 54 (54 lecture)
Basic Electrical Theory. Topics include ohms law, series/parallel circuits, voltage, magnetism, 3-phase systems, AC/DC theory, inductance and capacitance, etc.
Transfer Information: CSU Transferable

**CT 137 Specialty Systems (3 Units)**
Hours: 54 (54 lecture)
Basic function, operation, and characteristics of specialty electrical systems. Topics include fire alarms, security alarms, voice/data/tv/video, signaling systems, lighting protection systems, fiber-optic systems, etc.
Transfer Information: CSU Transferable

**CT 139 Construction Project Management (3 Units)**
Hours: 54 (54 lecture)
Introduction to managing projects in residential construction. Topics include overview of management programs and software, bidding, preconstruction set up, project budget, daily work plan, team roles, safety plan, job completion.
Transfer Information: CSU Transferable

**CT 194 Introduction to National Electrical Code (3 Units)**
Hours: 54 (54 lecture)
Layout and content of the National Electric Code. Purpose, intent and scope of electrical codes, as well as utilization and application. Also includes use of the Code for calculations and hazardous locations.

**CT 196 Jobsite Management (3 Units)**
Hours: 54 (54 lecture)
Introduction to jobsite supervision in the construction industry. Includes industry organization, documentation and record-keeping, personnel and financial management, as well as job planning and safety. (Approved School #138 for California Electrician Trainees).
Transfer Information: CSU Transferable

# Cosmetology (CSMT)
## Credit Courses

**CSMT 112A Introduction to Cosmetology Clinic A (4.7 Units)**
Corequisites: CSMT 121.
Hours: 255 (255 lab)
Prerequisite or First of two consecutive segments of introduction to the cosmetology clinic. Includes health and safety, rules and regulations for the California Board of Barbering and Cosmetology, nail disorders and diseases, properties of the hair and scalp, haircutting, hair coloring, nail tips and wraps, acrylic nails, and light cured gel nails, among other care regimens.

**CSMT 112B Introduction to Cosmetology Clinic B (4.7 Units)**
Corequisites: CSMT 112A.
Hours: 255 (255 lab)
Prerequisite or Second of two consecutive segments of introduction to the cosmetology clinic. Students apply proper sanitation and disinfection control; schedule appointments; handle customer service; conduct client consultations; execute basic hairstyling, nail and make-up techniques on clients; among other hair care regimens.

**CSMT 113A Fundamentals of Cosmetology Clinic A (4.7 Units)**
Corequisites: CSMT 122 or CSMT 112A and CSMT 112B.
Hours: 255 (255 lab)
Prerequisite or First of two consecutive segments of fundamental cosmetology clinic services. Students perform a basic permanent wave, basic chemical straightening, brick lay permanent wave, loop rod permanent wave, and piggyback permanent wave, among other care regimens.

**CSMT 113B Fundamentals of Cosmetology Clinic B (4.7 Units)**
Corequisites: CSMT 113A.
Hours: 255 (255 lab)
Prerequisite or Second of two consecutive segments of fundamental cosmetology clinic. Students perform formal event hair designs; thermal heat hair design; principles of face shapes; and anatomy, electricity, and principles of hair design; among other care regimens.

**CSMT 114A Intermediate Cosmetology Clinic A (4.7 Units)**
Corequisites: CSMT 123 or CSMT 113A and CSMT 113B.
Hours: 255 (255 lab)
Prerequisite or First of two consecutive segments of intermediate cosmetology clinic. Students perform intermediate braiding, hair extensions, wig care, intermediate cutting and hair coloring and chemistry, among other care regimens.

**CSMT 114B Intermediate Cosmetology Clinic B (4.7 Units)**
Corequisites: CSMT 114A.
Hours: 255 (255 lab)
Prerequisite or Second of two consecutive segments of intermediate cosmetology clinic. Students perform intermediate level hairstyles, eyebrow beautification, leg waxing, facial waxing, facials and make-up, among other care regimens.

**CSMT 115A Advanced Cosmetology Clinic A (4.7 Units)**
Corequisites: CSMT 124 or CSMT 114A and CSMT 114B.
Hours: 255 (255 lab)
Prerequisite or First of two segments of advanced cosmetology clinic. Students apply advanced techniques in haircutting, hair coloring, manicures, perdicures, facials, hair removal, make-up, hair styling and prepare for state board exam.

**CSMT 115B Advanced Cosmetology Clinic B (4.7 Units)**
Corequisites: CSMT 115A.
Hours: 255 (255 lab)
Prerequisite or Second of two consecutive segments of advanced cosmetology clinic. Students prepare for the California Board of Barbering and Cosmetology examinations and practice retail sales, front desk etiquette, salon management, tax laws for independent contractors, resume writing and marketing, among other subjects and care regimens.

**CSMT 121 Introduction to Cosmetology-Module 1 (6.7 Units)**
Hours: 360 (0 lecture, 360 lab)
First of five consecutive segments of introduction to the cosmetology. Students learn basic hairstyling with thermal heat, and execute basic finger waves and roller sets, among other hair care regimens.

**CSMT 122 Introduction to Cosmetology-Module 2 (6.7 Units)**
Corequisites: CSMT 121.
Hours: 360 (360 lab)
Prerequisite or Second of six consecutive segments of introduction to the cosmetology. Students apply proper sanitation and disinfection control, execute basic manicure and pedicure, conduct client consultations, execute basic hair styling, and make-up techniques on clients, among other hair care regimens.

**CSMT 123 Introduction to Cosmetology-Module 3 (6.7 Units)**
Corequisites: CSMT 122 or CSMT 112A and CSMT 112B.
Hours: 360 (360 lab)
Prerequisite or Third of six consecutive segments of introduction to the cosmetology. Students apply proper sanitation and disinfection control, execute basic manicure and pedicure, conduct client consultations, execute basic hair styling and make-up techniques on clients, among other hair care regimens.

**CSMT 124 Introduction to Cosmetology-Module 4 (6.7 Units)**
Corequisites: CSMT 123 or CSMT 113A and CSMT 113B.
Hours: 360 (360 lab)
Prerequisite or Fourth of six consecutive segments. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes advanced hair design, advanced facials, hair removal and make-up, among other care regiments.

**CSMT 125 Introduction to Cosmetology-Module 5 (6.7 Units)**
Corequisites: CSMT 124 or CSMT 114A and CSMT 114B.
Hours: 360 (360 lab)
Prerequisite or Six of six consecutive segments. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes overview and practice of skills earned in all previous courses. All aspects of hair care, artificial and natural nail care, chemical texturizing hair, hair coloring, skin care, hair removal and make-up, among other hair care regimens.

**CSMT 131 Esthetician Training-Module 1 (8 Units)**
Hours: 360 (36 lecture, 324 lab)
First of two consecutive segments of instruction. Twelve units of Degree credit for 320 hours of class completed with a "C" or better average. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes basic skin care, analysis of the skin, facial treatments, massage manipulations and temporary hair removal, among other care regimens.

**CSMT 132 Esthetician Training-Module 2 (8 Units)**
Course Advisories: CSMT 131.
Hours: 360 (36 lecture, 324 lab)
Second of two consecutive segments of instruction. Twelve units of degree credit for 320 hours of class completed with a "C" or better average. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes advanced skin care procedures and techniques, and chemical exfoliation, among other care regimens. Also includes State Board mock exams.

# Course Fees

Instructional Material Fees

## ART

| Code | Title | Units |
|---|---|---|
| Special Fee: $15 for Wood and Canvas materials | | |
| ART 132 | Fundamentals of Painting | 3 |
| ART 133 | Intermediate Painting | 3 |
| ART 134 | Theory and Application in Painting | 3 |
| ART 137 | Advanced Painting | 3 |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| Special Fee: $30 for Plaster ad other materials | | |
| ART 151 | Intermediate Ceramics | 3 |
| ART 152 | Advanced Ceramics | 3 |
| ART 154 | Ceramic Sculpture | 3 |
| ART 155 | Glaze Formulation | 3 |
| Special Fee: $35 Clay, Glaze and other materials | | |
| ART 141 | Studio Art Foundations 3D | 3 |
| ART 150 | Fundamentals of Ceramics | 3 |
| ART 170 | Introduction to Sculpture | 3 |
| Special Fee: $40 for Plaster and other materials | | |
| ART 171 | Intermediate Sculpture | 3 |
| ART 172 | Advanced Sculpture | 3 |
| ART 173 | Beginning Casting | 3 |
| ART 180 | Sculpture Fabrication | 3 |
| ART 181 | Intermediate Sculpture Fabrication | 3 |
| ART 182 | Advanced Sculpture Fabrication | 3 |
| Special Fee: $35 for Copper Plates and Wood Material | | |
| ART 190 | Introduction to Printmaking | 3 |
| ART 191 | Intermediate Printmaking | 3 |
| ART 192 | Advanced Printmaking | 3 |
| ART 193 | Beginning Printmaking: Silkscreen | 3 |
| ART 194 | Intermediate Printmaking: Silkscreen | 3 |
| ART 195 | Printmaking, Theory and Application | 3 |

## Marine Diving Technologies

| Code | Title | Units |
|------|-------|-------|
| MDT 105 | Advanced Scuba Techniques (Special fee: Includes Certification for $20) | 1.7 |
| MDT 106 | Open Water Navigation And Rescue (Special fee: Includes Certification for $25) | 0.7 |
| MDT 107 | Hyperbaric Chamber Operations (Special fee: Includes Certification for $25) | 1.5 |
| MDT 111 | First Aid For The Diving Professional | 1.4 |
| MDT 179 | Nitrox Diving (Special fee: Includes Certification for $25) | 0.8 |

## Physical Education, Dance and Athletics

| Code | Title | Units |
|------|-------|-------|
| special Fee: Includes Folf Course Access for $25 | | |
| PE 103A | Beginning Golf | 1.5 |
| PE 103B | Intermediate Golf | 1.5 |
| PE 103C | Advanced Golf | 1.5 |

## Radiological and Imaging Sciences

| Code | Title | Units |
|------|-------|-------|
| RT 102 | Fundamentals of Radiographic Positioning and Procedures I (Special fee: Includes dosimeters for $50) | 4 |
| RT 103 | Fundamentals Of Radiographic Positioning And Procedures II (Special fee: Includes dosimeters for $40) | 4 |

## Instructional Field Trips
## Earth and Planetary Sciences

| Code | Title | Units |
|------|-------|-------|
| ERTH 131 | Geologic Field Studies - Eastern Sierra Nevada (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 132 | Geologic Field Studies - Death Valley (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 133 | Introductory Geologic Field Seminar - Colorado Plateau (Special Fee: Field Trip fee of $215.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4 |
| ERTH 134 | Geologic Field Studies - Western Sierra Nevada (Special Fee: Field Trip fee of $140.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2.5 |
| ERTH 137 | Introductory Field Geology (Special Fee: Field Trip fee of $80.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4.5 |
| ERTH 138 | Geology Field Camp (Special Fee: Field Trip fee of $275.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4.5 |
| ERTH 231A | Field Study - Mineralogy and Mineral Resources of the Eastern Sierra Nevada (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 231B | Field Study - Energy Resources of the Eastern Sierra Nevada (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 232A | Field Study - Petrology of the Death Valley Region (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 232B | Field Study - Mineral Resources and Plate Tectonic History of the Death Valley Region (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |
| ERTH 233 | Advanced Geologic Field Seminar - Colorado Plateau (Special Fee: Field Trip fee of $215.00 will cover facility use, meals and incidentals. Scholarships are available.) | 4 |
| ERTH 130V | Geologic Field Studies - Hawaii Volcanology (Special Fee: Field Trip fee of $910 will cover facility use, lodging, meals, incidentals and instructional materials. Scholarships are available.) | 2.5 |
| GEOG 123 | Geography field studies- Death Valley (Special Fee: Field Trip fee of $104.00 will cover facility use, meals and incidentals. Scholarships are available.) | 2 |

## Marine Diving Technologies

| Code | Title | Units |
|------|-------|-------|
| MDT 105 | Advanced Scuba Techniques (Mandatory Field Trip for $120.00 including transportation and incidentals. Scholarships are available.) | 1.7 |
| MDT 142 | Surface-Supplied Ocean Diving (Special Fee: Field Trip fee of $95 for transportation and incidentals. Scholarships are available.) | 1.8 |
| MDT 152 | Underwater Tools And Inspection (Special Fee: Field Trip fee of $65 for transportation and incidentals. Schoalrships are available.) | 1.7 |

| MDT 179 | Nitrox Diving (Special Fee: Mandatory Field Trip fee of $120 for transportation and incidentals. Scholarships are available.) | 0.8 |
|---|---|---|

## Political Science

| Code | Title | Units |
|---|---|---|
| POLS 108 | California Government and Politics (Special Fee: Field Trip fee of $900.00 will cover lodging, meals and incidentals. Scholarships are available.) | 2 |

# Culinary Arts (CA)

## Credit Courses

**CA 111 Hospitality Controls (2 Units)**
Course Advisories: MATH 041.
Hours: 36 (36 lecture)
Covers industry practices and procedures of controls in cash, inventory, employees, time, sanitation, purveyors and equipment.
Transfer Information: CSU Transferable

**CA 113 Hospitality Sanitation And Safety (2 Units)**
Course Advisories: ENG 088.
Hours: 36 (36 lecture)
How to effectively manage sanitation to achieve high standards as set forth by the laws and regulations covering the food industry in the United States. In-depth study of management's responsibility in sanitation. Safety procedures and practices are also covered.
Transfer Information: CSU Transferable

**CA 116 Introduction to the Food Service Profession (2 Units)**
Course Advisories: ENG 088.
Hours: 36 (36 lecture)
Introduction to culinary arts and related food service occupations. Describes the history of food and the development of cuisine. The evolution of cuisine from classical to California fusion.
Transfer Information: CSU Transferable

**CA 117 Culinary Fundamentals I (2 Units)**
Prerequisites: CA 113, may be taken concurrently.
Limitations on Enrollment: Completion of departmental enrollment procedures.
Hours: 72 (18 lecture, 54 lab)
Introduction to the professional kitchen. Emphasis on classical cooking and current scientific theories provides the student with a solid understanding of food chemistry and cooking techniques. Study of equipment, ingredients and basic cooking methods of the modern professional kitchen. Hands-on application of theory and techniques.
Transfer Information: CSU Transferable

**CA 117A Hotline Kitchen Fundamentals (4 Units)**
Corequisites: CA 113.
Hours: 144 (36 lecture, 108 lab)
Prerequisite or Introduction to the professional kitchen. Emphasis on classical cooking and current scientific theories provides the student with a solid understanding of food chemistry and cooking techniques. Study of equipment, ingredients and basic cooking methods of the modern professional kitchen. Hands-on application of theory and techniques.
Transfer Information: CSU Transferable

**CA 121 Principles of Pantry (2 Units)**
Corequisites: CA 113.
Hours: 72 (18 lecture, 54 lab)
Prerequisite or Introduction to the basic skills needed for a restaurant pantry station. The theory and practical skills required to produce quality salads, sandwiches and cold sauce emphasized.
Transfer Information: CSU Transferable

**CA 124 Principles of Baking (2 Units)**
Corequisites: CA 113.
Limitations on Enrollment: Other: Completion of program enrollment.
Hours: 72 (18 lecture, 54 lab)
Prerequisite or Introduction to the basic skills needed for a professional bake shop. The theory and practical skills required to produce quality pastries and breads emphasized.
Transfer Information: CSU Transferable

**CA 129 Purchasing and Receiving (2 Units)**
Prerequisites: CA 113.
Hours: 36 (36 lecture)
How to develop and implement effective purchasing and storeroom procedures. Focus is on purveyor relations, inventory controls, receiving and storage of goods. Includes major categories of purchases.
Transfer Information: CSU Transferable

**CA 134 Hospitality Supervision (2 Units)**
Corequisites: CA 116.
Hours: 36 (36 lecture)
Prerequisite or Designed to provide students with the principles of supervision as they apply specifically to the hospitality industry.
Transfer Information: CSU Transferable

**CA 201 Wines (2 Units)**
Course Advisories: ENG 088.
Hours: 36 (36 lecture)
Identification of wines from the wine districts of France, Germany and Italy. Characteristics of wines from the major wine varietals emphasized and the process of wine-making presented.
Transfer Information: CSU Transferable

**CA 204 Advanced Restaurant and Culinary (4 Units)**
Prerequisites: CA 203A or CA 295.
Hours: 216 (216 lab)
Designed to further acquaint students with advanced cooking and service techniques. Advanced techniques of cooking, sauce and stock making, roasting, braising, sauteing, etc. stressed. Students apply techniques to classical and modern cooking and service styles in the Gourmet Dining Room.
Transfer Information: CSU Transferable

**CA 211 Garde Manger (2 Units)**
Prerequisites: CA 113 and CA 117A.
Hours: 72 (18 lecture, 54 lab)
Designed to impart the skills and knowledge to work in a professional garde manger department. Techniques and procedures for making and displaying pates, terrines, galantines, mousses, sausages, salads and garnishes demonstrated; opportunities for hands-on work are offered. Advanced decorative techniques, such as ice-carving, demonstrated.
Transfer Information: CSU Transferable

**CA 212 Charcuterie (1 Unit)**
Prerequisites: CA 117A.
Hours: 45 (18 lecture, 27 lab)
Lecture/Lab course that will cover advanced techniques in the principles and production of prepared meat products such as sausages, pâtés, terrines, galantines, bacon, hams and confits. These processes were originally intended as a way to preserve meat before the advent of refrigeration, they are prepared today for their flavors derived from the preservation processes. The modern culinary scene is reviving the art of Charcuterie and these products can be found in every style of professional food service.
Transfer Information: CSU Transferable

**CA 213 Food Preservation (1 Unit)**
Prerequisites: CA 113.
Hours: 36 (9 lecture, 27 lab)
The science of food preservation for professional foods service, with a focus on pickling, drying, curing, smoking and fermenting.
Transfer Information: CSU Transferable

**CA 214 Advanced Artisan Baking (2 Units)**
Prerequisites: CA 113 and CA 124.
Hours: 72 (18 lecture, 54 lab)
Advanced techniques of traditional and contemporary bread baking are demonstrated and practiced. The properties of different flours, grains, yeasts, sponges and levaines are demonstrated. The student produces various European breads, sourdoughs, Danish and croissant doughs and flat breads in a professional bake shop operation.
Transfer Information: CSU Transferable

**CA 215 Modern Food: Style, Design, Theory and Production (2 Units)**
Prerequisites: CA 203A or CA 295.
Hours: 72 (18 lecture, 54 lab)
Study and practice of modern food design. The different styles of Fusion, Californian, Pacific-Rim, Tex-Mex, Nouvelle and others are demonstrated and practiced. Modern trends and corresponding plate design theories demonstrated and practiced. The effects of different cultures and food diversity on the modern restaurant kitchen are explored.
Transfer Information: CSU Transferable

**CA 217 Culinary Fundamentals II (2 Units)**
Prerequisites: CA 117A.
Hours: 36 (36 lecture)
Advanced theory in food science, culinary techniques and modern cooking styles. Advanced sauce making, wild game cooking, and meat, poultry, fish and shellfish cooking techniques emphasized. The philosophy of food explored.
Transfer Information: CSU Transferable

**CA 224 Pastry Practicum (2 Units)**
Prerequisites: CA 113 and CA 124.
Hours: 108 (108 lab)
Hands-on lab experience in a professional bake shop. The acquisition and practice of basic skills needed. Practical techniques required to produce quality pastries and breads emphasized.
Transfer Information: CSU Transferable

**CA 226 Contemporary Baking (2 Units)**
Hours: 72 (18 lecture, 54 lab)
Hands-on experience with modern baking techniques, including practical experience with gluten-free baking and vegan baking.
Transfer Information: CSU Transferable

**CA 230 Food Service: Nutrition (2 Units)**
Course Advisories: ENG 088.
Hours: 36 (36 lecture)
Designed to instruct students in the principles of nutrition and their application to personal lifestyle, diet and a professional kitchen. Students are shown how these nutrition principles relate to the food service industry through an analysis of marketing, food trends, menu design and recipe modification.
Transfer Information: CSU Transferable

**CA 236 Meat Analysis (2 Units)**
Prerequisites: CA 113 and CA 117A.
Hours: 72 (18 lecture, 54 lab)
Cuts, grades and usage of meats are discussed. Pork, veal, beef, lamb and poultry are cut into the standard cuts set by the industry. Costs of different types of meat are covered.
Transfer Information: CSU Transferable

**CA 238 Advanced Sauce Making (1 Unit)**
Prerequisites: CA 203A or CA 295.
Hours: 36 (9 lecture, 27 lab)
Designed to provide advanced sauce making techniques encompassing, classical French, International and Modern sauces.
Transfer Information: CSU Transferable

**CA 261 Restaurant Ownership (2 Units)**
Prerequisites: CA 111.
Hours: 36 (36 lecture)
Planning and operation of a food service establishment. An in-depth look at the creation and implementation of a feasibility study, devising a mission statement, using and understanding demographic research, site selection, creating capital, preparing a financial statement, creating a menu, devising a plan for staffing and day-to-day operations management.
Transfer Information: CSU Transferable

**CA 270 Advanced Pastry Arts (2 Units)**
Prerequisites: CA 124.
Hours: 72 (18 lecture, 54 lab)
Advanced techniques of classical and modern pastry preparation demonstrated and practiced. Emphasis on professional bake shop operations. Cakes, pastries, meringues, chocolates and sauces created and displayed, utilizing different theories of plate design.
Transfer Information: CSU Transferable

**CA 290 Work Experience for Culinary Arts Students (1-4 Units)**
Prerequisites: CA 116.
Hours: 225 (225 lab)
Student must be a Culinary Arts major and be enrolled in classes leading to a degree or certificate in the major. Work experience on a job or project directly related to hotel, restaurant or culinary enabling the student to acquire skills and attitudes necessary to enter and/or progress in a hotel, restaurant or culinary occupation. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**CA 295 Internship In Culinary Arts (4 Units)**
Prerequisites: CA 117A.
Hours: 192 (192 lab)
Structured experiential learning program in which students gain professional food service skills while participating in a campus organization related to the discipline.
Transfer Information: CSU Transferable

# Disability Services and Programs (DSPS)

## Credit Courses

### DSPS 066 Math Strategies (2 Units)
Hours: 36 (36 lecture)
Designed for students with disabilities who are enrolled in mainstream college math classes and whose disabilities result in educational limitations in the area of math. Students learn a variety of strategies to promote self-monitoring, organization, study skills and test-taking techniques relative to math concepts and computation. Graded Pass/No Pass. Course restricted to 4 repetitions

### DSPS 077 Writing/Reading Strategies (2 Units)
Hours: 36 (36 lecture)
Designed for students with disabilities, but is open to all students who are enrolled in an academic course. Students learn a variety of multisensory approaches to writing and reading in order to improve their management of the written language. Graded Pass/No Pass. Course restricted to 3 repetitions
Transfer Information: Extrnl - Not Degree Applicable

# Drafting/CAD (DRFT)

## Credit Courses

### DRFT 101 Basic Drafting (3 Units)
Hours: 72 (45 lecture, 27 lab)
Fundamental concepts of technical drafting. Topics include: drafting standards and conventions; multi-view orthographic projections; non-perspective Pictorial views; planning, elevation and section views; manual and computer aided drafting tools and annotations. Emphasis placed on architectural and engineering technical drafting.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 120 Architectural Drafting I (3 Units)
Hours: 72 (45 lecture, 27 lab)
Fundamental concepts in architectural drafting. Topics include architectural drafting standards and conventions, multi-view orthographic projections, floor plan, elevation and section views, manual and computer aided drafting tools, output and delivery methods.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 121 Architectural Drafting II (3 Units)
Corequisites: DRFT 120.
Hours: 72 (45 lecture, 27 lab)
Prerequisite or Topics include drafting standards, conventions, CAD standards, MasterFormat and construction documents. Emphasis in project deliverables including cover sheet, site plan, floor plans, roof plan, elevations, sections, wall sections, schedules, interior elevations, details, manual and computer-aided drafting tools, output/delivery methods.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 124 Architectural Rendering I (3 Units)
Hours: 72 (45 lecture, 27 lab)
Fundamentals of architectural rendering using manual and computer-aided drafting tools, including interior and exterior one/two-point perspectives, oblique, and isometric drawings. Rendering techniques include surfaces, textures, shades, shadows, figures and foliage. Emphasis on compiling a portfolio of architectural presentation drawings.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 125 Architectural Rendering II (3 Units)
Prerequisites: DRFT 124.
Hours: 72 (45 lecture, 27 lab)
Advanced architectural rendering using manual and computer-aided drafting tools, including presentation drawings, two-point perspectives, oblique and isometric drawings. Rendering techniques include surfaces and textures, shades and shadow, figures and foliage. Emphasis on compiling a portfolio of architectural presentation drawings.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 126 Landscape Drafting I (3 Units)
Same as: EH 126
Hours: 72 (45 lecture, 27 lab)
Principles of drafting and plan reading for landscape architecture and ornamental horticulture. Style research, drafting of plans, elevations and details.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 127 Landscape Drafting II (3 Units)
Same as: EH 127
Prerequisites: EH 126 or DRFT 126.
Hours: 72 (45 lecture, 27 lab)
Advanced drafting and plan reading using manual and computer drafting tools, for landscape architecture and ornamental horticulture fields. Includes site plans, elevations and details..
Transfer Information: CSU Transferable, UC Transferable

### DRFT 129 Principles Of Residential Construction (3 Units)
Hours: 54 (54 lecture)
Overview of residential construction for homeowners, remodelers, drafters and designers. Topics include building codes, materials, grading, foundations, framing, mechanical systems, doors and windows, roofing and drywalling.
Transfer Information: CSU Transferable

### DRFT 130 Computer-Assisted Drafting And Design I (5 Units)
Prerequisites: DRFT 101 or DRFT 120 or DRFT 126.
Hours: 126 (72 lecture, 54 lab)
Intermediate AutoCAD. Set Up, drafting, editing, output, and delivery. Coverage of latest AutoCAD features.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 131 Computer-Assisted Drafting And Design II (5 Units)
Prerequisites: DRFT 130.
Skills Advisories: MATH 001 and eligibility for ENG 103.
Hours: 126 (72 lecture, 54 lab)
Advanced AutoCAD. File Management and CAD Standards for Project Driven Productivity, 3D Modeling.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 132 CAD Drafting/Design III (5 Units)
Course Advisories: DRFT 129.
Hours: 126 (72 lecture, 54 lab)
Introduction to Autodesk Revit©. Designed to meet the needs of students who want to learn the basics of industry-standard building information modeling software.
Transfer Information: CSU Transferable, UC Transferable

### DRFT 142 Product Design Fundamentals (3 Units)
Hours: 72 (45 lecture, 27 lab)
In this product design studio, students are introduced to the process of product design and develop the skills necessary for bringing design ideas to fruition. We will explore product design practice as the intersection of creativity, critical thinking, and practical application in commerce, and learn to approach designed objects as challenges to meet human needs.
Transfer Information: CSU Transferable

**DRFT 143 Product Design and Rapid Prototyping Workshop (3 Units)**
Prerequisites: DRFT 142.
Hours: 72 (45 lecture, 27 lab)
Students turn their design concepts into physical objects through hands-on experience in the complete cycles of product design applied to small scale additive manufacturing. Tailored to expose students to selected software used for product design and visualization, with emphasis on 3D modeling applications with capabilities, features, and support for rapid prototyping with 3D printers.
Transfer Information: CSU Transferable

**DRFT 290 Work Experience In Drafting (1-4 Units)**
Limitations on Enrollment: (1) Employed or available for employment in an occupation directly related to the Drafting major; and, (2) Must be enrolled in no less than seven (7) units, including Work Experience.
Hours: 300 (300 lab)
(1) Available for employment in an occupation related to Drafting; (2) Must be enrolled in no less than seven (7) units. May be taken for 1, 2, 3 or 4 units of credit. Maximum (4) units per semester for a maximum of (16) units. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**DRFT 299 Independent Study In Drafting (1-4 Units)**
Limitations on Enrollment: Completion of a minimum of 12 units at SBCC, with a 2.5 G.P.A., and a minimum of 6 (six) units completed in Drafting.
Hours: 192 (192 lab)
Provides students with an opportunity to engage in Independent study in drafting. Students work under direction of sponsoring faculty member on a project directly related to drafting. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Early Childhood Education (ECE)
## Credit Courses

**ECE 102 Child, Family and Community (3 Units)**
Hours: 54 (54 lecture)
Examines the developing child in a societal context, focusing on the interrelationship of family, school and community, with an emphasis on historical and cultural factors that influence the process of socialization and the importance of respectful, reciprocal relationships that support and empower families.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

**ECE 103 Foundations of ECE I Principles (5 Units)**
Course Advisories: ECE 102 and 120 or PSY 140.
Hours: 180 (45 lecture, 135 lab)
Foundation course in Early Childhood Education. Emphasis is on developing skills and knowledge needed to work effectively with children, birth to age eight. Introduction to building relationships, developing guidance and supervision skills, observation techniques, curriculum planning, historical context, theoretical perspectives, professionalism and reflective practice. Requires 45 (3 hour shifts) of guided supervision in ECE lab.
Transfer Information: CSU Transferable, UC Transferable

**ECE 104 Foundations of ECE II Practicum (5 Units)**
Prerequisites: ECE 102 and 103 and 108 and 120 or PSY 140.
Hours: 180 (45 lecture, 135 lab)
Design, implementation and evaluation of developmentally appropriate curriculum for young children, birth to age 8. Research on brain development, language development, and cognition is integral. Professional skills of resume writing, accessing community resources for families and providing group times/experiences are developed. Coursework combined with a minimum of 45 days of student teaching, with each shift lasting 3 hours in an ECE lab setting.
Transfer Information: CSU Transferable

**ECE 107 Administration Of Child Development Programs I (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103 Study of administrator's responsibilities in various types of programs, including developing philosophy; selecting/supervising personnel; planning curriculum; programming for staff/families; complying with regulatory authorities; conducting business procedures; planning for facility, equipment and food; evaluating programs; effecting change through legislative process.
Hours: 54 (54 lecture)
Enrollment Limitation: Completion of 12 core ECE units as defined by Community Care Licensing plus 3 units of supervised field experience.
Transfer Information: CSU Transferable

**ECE 108 Creative Learning and Curriculum (3 Units)**
Hours: 54 (54 lecture)
Overview of knowledge and skills related to providing appropriate curriculum and environments for young children. Examination of teacher's role in supporting development and engagement for all young children. Provides strategies for developmentally-appropriate practice based on observation and assessment across the curriculum, including academic content areas, play, art and creativity plus social-emotional, communication and cognitive skills.
Transfer Information: CSU Transferable, UC Transferable

**ECE 109 Family-Teacher-Child Relationships (3 Units)**
Limitations on Enrollment: Student must have completed 12 core units as defined by Community Care Licensing.
Hours: 54 (54 lecture)
Establishing and sustaining effective relationships between teacher, families and child. Common problems handled between families and teachers; ways of distinguishing special problems requiring other professional attention; and supportive ways of helping families enjoy and appreciate their children. Includes interviewing, home visiting, parent education and family engagement strategies.
Transfer Information: CSU Transferable

**ECE 111 Administration of Child Development Programs II (3 Units)**
Limitations on Enrollment: Completion of 12 core ECE units as defined by Community Care Licensing plus 3 units of supervised field experience.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Explores leadership styles and skills, emerging issues in early childhood education, ethics, grant writing, advocacy and staff professional development for leaders of child development programs.
Transfer Information: CSU Transferable

### ECE 115 Children's Literature (3 Units)

Hours: 54 (54 lecture)

Develops awareness of value and variety of children's literature by surveying traditional and contemporary selections, including poetry, fiction, non-fiction and folk literature from many cultures. Proposes criteria for literary/artistic evaluation, use and age appropriateness in selection. Demonstrates presentation techniques, including storytelling.

SBCC General Education: SBCCGE Area C

Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

### ECE 117 Adult Supervision and Mentoring (3 Units)

Prerequisites: ECE 102 and 103 and 108 and 120.

Hours: 54 (54 lecture)

Methods and principles of supervising student teachers, volunteers, staff and other adults in early care and education settings. Emphasis is on the roles and development of early childhood professionals as mentors and leaders.

Transfer Information: CSU Transferable

### ECE 120 Child Growth and Development/Educators (3 Units)

Hours: 54 (54 lecture)

History and current issues of early childhood growth and development, from birth through adolescence, are covered. In addition to theoretical ideas and observations of children, special emphasis is given to the child from birth to age eight in relation to cultural, gender, class and racial influences.

SBCC General Education: SBCCGE Area B

Transfer Information: CSUGE Area D7, CSUGE Area E, IGETC Area 4G, CSU Transferable, UC Transferable

### ECE 121 Health, Safety And Nutrition For Young Children (3 Units)

Hours: 54 (54 lecture)

Introduction to the legalities, standards, policies and procedures, prevention techniques, and early childhood curriculum related to health, safety and nutrition. Key components that ensure physical health, mental health and safety for children identified, along with the importance of the collaboration with families and health professionals. Focus on integrating the concepts into everyday planning and program development.

Transfer Information: CSU Transferable

### ECE 123 Children with Special Needs (3 Units)

Hours: 54 (54 lecture)

Overview of information and strategies for early childhood educators in working with children with special needs. Topics include identification, assessment, early intervention services and curriculum adaptations, plus family resources and partnerships. Atypical development includes delays, disabilities and giftedness.

Transfer Information: CSU Transferable

### ECE 124 Working With School-Age Children (3 Units)

Hours: 54 (54 lecture)

Introduction to the increasing role communities play in providing out-of-school services to school-age children. Features include planning and implementing curriculum, designing a safe environment, exploring developmental issues, administrative policies and procedures, identifying community resources, and establishing partnerships to ensure high quality school-age programs.

Transfer Information: CSU Transferable

### ECE 128 Observation and Assessment (3 Units)

Prerequisites: ECE 102 and ECE 120 and ECE 108 and ECE 103.

Hours: 54 (54 lecture)

Provides theoretical framework for understanding the connection between effective observations assessments and curriculum planning in early childhood settings. Anecdotal records, rating systems and multiple assessment strategies are explored. Focuses on the appropriate use of observation and assessment to document growth, play and learning to join with families in promoting children's success.

Transfer Information: CSU Transferable

### ECE 129 ECE Special Education (3 Units)

Hours: 54 (54 lecture)

Examines the field of ECE special education. A variety of educational models explored, as well as specific disabilities. Current research and professional experience evaluated in terms of prenatal substance exposure, health and safety issues, and dealing with stress, grief and trauma.

Transfer Information: CSU Transferable, UC Transferable

### ECE 131 The Developing Bilingual Child (3 Units)

Hours: 54 (54 lecture)

Introduction to the range of development of the language of the developing bilingual child, with emphasis on language and effective domains. The influences of different methods of language acquisition, modes of instruction, environmental factors and strategies for second language acquisition are evaluated.

SBCC General Education: SBCCGE Area E5

Transfer Information: CSU Transferable

### ECE 132 Teaching in a Diverse Society (3 Units)

Hours: 54 (54 lecture)

Examines processes involved in human relations, as related to differences, and how these processes impact teaching, learning and interactions with young children and families. Self-examination, reflection and integration of practices to promote equity and how to best support children as they gain a sense of identity and become confident members of a diverse society.

SBCC General Education: SBCCGE Area B, SBCCGE Area E5

Transfer Information: CSUGE Area D7, CSU Transferable, UC Transferable

### ECE 136 Introduction to Autism Spectrum Disorders (3 Units)

Prerequisites: ECE 102 and ECE 120 or PSY 140.

Hours: 54 (54 lecture)

Overview of information and strategies for early childhood educators in working with children with Autism Spectrum Disorders. Topics include identification, assessment, early intervention services, strategies and curriculum adaptations. Family resources and partnerships are emphasized.

Transfer Information: CSU Transferable

### ECE 141 Development And Caregiving Of Infants And Toddlers (3 Units)

Hours: 54 (54 lecture)

Developmental stages of infants and toddlers and accompanying behavior, guidelines for health and safety, observation and caregiving strategies including primary caregiving, small groups, and continuity of care are covered. Development of optimal environment for child, parent and staff growth also addressed.

Transfer Information: CSU Transferable

**ECE 142 Infant/Toddler Socialization (3 Units)**
Hours: 54 (54 lecture)
Focus on developing trusting relationships between caregivers and infants/toddlers who are developing social/emotional competence and intellectual growth. Caregivers need to be aware of their feelings, expectations, cultural values and attitudes from their own childhood experiences.
Transfer Information: CSU Transferable, UC Transferable

**ECE 151B Leadership In Early Childhood Education (1 Unit)**
Prerequisites: ECE 117.
Hours: 18 (18 lecture)
Examines ways in which individuals working in the field of early childhood education can be successful by creating an environment in which trust and empowerment can flourish. Explores the distinction between leadership and management while emphasizing the value of character ethics over personality ethics.
Transfer Information: CSU Transferable

**ECE 152B Guidance: Effective And Caring Approaches (1 Unit)**
Hours: 18 (18 lecture)
Designed to allow the ECE Department the opportunity to offer a variety of courses related to child behavior and development which reflect student interest, community need and current trends in early childhood education.
Transfer Information: CSU Transferable

**ECE 152D Working With Aggression In Children (1 Unit)**
Hours: 18 (18 lecture)
The course is designed to allow the ECE Department the opportunity to offer a variety of courses related to child behavior and development which reflect student interest, community need and current trends in early childhood education.
Transfer Information: CSU Transferable

**ECE 152E Children'S Sexuality (1 Unit)**
Skills Advisories: Eligibility for ENG 098 and ENG 103.
Hours: 18 (18 lecture)
Designed to allow the ECE Department the opportunity to offer a variety of courses related to child behavior and development which reflect student interest, community need and current trends in early childhood education.
Transfer Information: CSU Transferable

**ECE 153A Use Of The Community As Curriculum (1 Unit)**
Hours: 18 (18 lecture)
The course is designed to allow the ECE Department the opportunity to offer a variety of courses related to curriculum development which reflect student interest, community need and current trends in early childhood education.
Transfer Information: CSU Transferable

**ECE 153G Quality Group Times (1 Unit)**
Hours: 18 (18 lecture)
The course is designed to allow the ECE Department the opportunity to offer a variety of courses related to curriculum development which reflect student interest, community need and current trends in early childhood education.
Transfer Information: CSU Transferable

**ECE 153H Holiday Celebrations For Young Children (1 Unit)**
Hours: 18 (18 lecture)
The course is designed to allow the ECE Department the opportunity to offer a variety of courses related to curriculum development which reflect student interest, community need and current trends.
Transfer Information: CSU Transferable

**ECE 156B Issues In Parenting (1 Unit)**
Hours: 18 (18 lecture)
One of a variety of ECE Department courses on parenting and working with parents, reflecting student interest, community need and current trends in early childhood education.
Transfer Information: CSU Transferable

**ECE 157C Child And Family Abuse: The Teacher's Role (1 Unit)**
Hours: 18 (18 lecture)
The course is designed to allow the ECE Department the opportunity to offer a variety of courses related to special, unique or very sensitive issues which reflect student interest, community need and current trends in early childhood education.
Transfer Information: CSU Transferable

**ECE 157E Working With Challenging Families (1 Unit)**
Hours: 18 (18 lecture)
Characteristics and dynamics of challenging families explored along with strategies for supporting healthy child development in non-ideal settings.
Transfer Information: CSU Transferable

**ECE 290 Work Experience In Early Childhood Education (1-3 Units)**
Limitations on Enrollment: 6 ECE units, according to Community Care Licensing.
Hours: 225 (225 lab)
May be taken for 1, 2, 3 or 4 units of credit. Maximum of four (4) units per semester for a maximum of sixteen (16) units. Consists of supervised employment for Early Childhood Education students whose career objectives, course of study and employment complement each other. Students must accomplish specific course objectives. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Earth and Planetary Sciences (ERTH) Credit Courses

**ERTH 101 Introductory Astronomy (3 Units)**
Hours: 54 (54 lecture)
Non-mathematical presentation of knowledge of the universe. Includes birth and death of stars, formation of the solar system, black holes, quasars, the fourth dimension, and the fate of the universe. Also considered are common phenomena such as eclipses, the motion of the planets and their moons, comets, and meteors.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 101H Introductory Astronomy, Honors (4 Units)**
Limitations on Enrollment: Admission to Program.
Course Advisories: ERTH 102.
Hours: 72 (72 lecture)
Introduces students to the universe throughout its history. It emphasizes astronomical knowledge from Earth, as a planet in the solar system, to quasars at the edge of the known universe. The motions of objects within the galaxy are also examined.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 102 Observational Astronomy Laboratory (1 Unit)**
Corequisites: ERTH 101 or 101H.
Hours: 54 (54 lab)
Emphasizes night-time observation of the stars, galaxies and constellations with real-time observations. Simulation programs are used to graphically examine astronomical phenomena. Celestial navigation, motions of the earth and moon, and study of the celestial sphere emphasized.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 103A Adv Observational Astronomy Lab - FALL (1 Unit)**
Prerequisites: ERTH 102.
Hours: 54 (54 lab)
Follow-up course to ERTH-102. Use of planetarium and observatory to illustrate constellations, celestial motions, and to observe stars, planets, and deep sky objects. Emphasis for continuing students is on stars & constellations of the FALL sky, use of larger and more advanced telescopes, and in-depth observations of deep sky objects of the FALL sky.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 103B Adv Observational Astronomy Lab - SPRING (1 Unit)**
Prerequisites: ERTH 102.
Hours: 54 (54 lab)
Follow-up course to ERTH-102. Use of planetarium and observatory to illustrate constellations, celestial motions, and to observe stars, planets, and deep sky objects. Emphasis for continuing students is on stars & constellations of the SPRING sky, use of larger and more advanced telescopes, and in-depth observations of deep sky objects of the SPRING sky.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 103C Adv Observational Astronomy Lab - SUMMER (1 Unit)**
Prerequisites: ERTH 102.
Hours: 54 (54 lab)
Follow-up course to ERTH-102. Use of planetarium and observatory to illustrate constellations, celestial motions, and to observe stars, planets, and deep sky objects. Emphasis for continuing students is on stars & constellations of the SUMMER sky, use of larger and more advanced telescopes, and in-depth observations of deep sky objects of the SUMMER sky.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 104 Introductory Astrophysics (3 Units)**
Hours: 54 (54 lecture)
Introductory astronomy course that integrates mathematics of physics in the study of objects in the universe.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 105A Planetary Geology of Recent NASA Missions (1 Unit)**
Hours: 18 (18 lecture)
Designed for students wanting to go beyond the regular introductory astronomy courses. Lectures, discussions, guest speakers, activities and field trips help students explore specific topics in physics and astronomy. This semester's topic is on recent discoveries from planetary space flight missions to Mercury, Mars, Saturn, Saturn's moon titan and comets.
Transfer Information: CSU Transferable

**ERTH 106 Black Holes and the Universe (3 Units)**
Course Advisories: ERTH 101 or 101H.
Hours: 54 (54 lecture)
Basic introduction to relativity, cosmology, quantum mechanics, string theory, black holes, time travel, higher dimensions and other abstract theories of the universe. Provides students with a broad-based overview of these physics theories and allows them to explore various current topics in astronomy.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 111 Dynamic Earth - Physical Geology (3 Units)**
Course Advisories: ERTH 111L and 131 or 132.
Hours: 54 (54 lecture)
Introduction to the physical development of the Earth. Emphasis on earth materials (rocks and minerals), hydrologic processes, tectonic process (plate tectonics, earthquakes, mountain building and volcanism) and structures (folds, faults). Current theories on structure and evolution of the earth are discussed. Designed for both non-science majors and earth science majors. Required of all Geology majors.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 111H Dynamic Earth - Physical Geology, Honors (4 Units)**
Limitations on Enrollment: Acceptance into the Honors Program.
Course Advisories: ERTH 111L or ERTH 131.
Hours: 72 (72 lecture)
Introduction to the physical development of the earth. Emphasis on earth materials (rocks and minerals), hydrologic processes (weathering, streams, glaciers, beaches and ground water), tectonic processes (plate tectonics, earthquakes, mountain building and volcanism), and structures (folds, faults). Current theories on structure and evolution of the earth are discussed.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 111L Dynamic Earth - Physical Geology Laboratory (1 Unit)**
Corequisites: ERTH 111 (prior to or concurrently) or ERTH 111H (concurrently).
Hours: 54 (54 lab)
Laboratory approach to earth materials and processes, including rock and mineral identification and interpretation, plate tectonic rock cycle, topographic map and aerial photo interpretation, structural geology (folds and faults), geologic cross sections and geologic maps. Activities include four field trips to local areas of geologic interest. Required of all Geology majors.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 112 History Of The Earth (3 Units)**
Course Advisories: concurrent enrollment in ERTH 112L and ERTH 131 or ERTH 132.
Hours: 54 (54 lecture)
Introduction to the geologic history of the earth, using plate tectonic concepts, stratigraphy, geologic dating, fossils and evolution. Emphasis on the origin and evolution of continents, oceans, the atmosphere and life on earth. Designed to accommodate both non-science and science majors. Required of Geology majors.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 112L Historical Geology Laboratory (1 Unit)**
Corequisites: ERTH 112.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Laboratory approach to understanding the scientific method as it applies to deciphering earth history. Topics include sedimentary rock identification and interpretation, stratigraphy, paleogeographic maps and fossil identification. Activities include field trips to local areas of geologic interest. Required of Geology majors.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 114 The Geology of California (3 Units)**
Hours: (54 lecture)
Landscapes of California interpreted by introductory plate tectonics. Volcanism, earthquakes, and other processes are studied in relation to features of the geomorphic provinces of the state. Provinces include the Sierra Nevada, Coast Ranges, Transverse Ranges, Cascades, Klamath Mountains, Modoc Plateau, Central Valley, Mojave, and the Basin and Range. Appropriate for science and non-science majors.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 115 Environmental Geology (3 Units)**
Same as: ENVS 115
Course Advisories: Concurrent enrollment in ERTH 115/ENVS 115L and ERTH 131 or ERTH 132.
Hours: 54 (54 lecture)
Introduction to the problems of volcanism, earthquakes, fire, floods, landslides, and other geologic hazards; air and water pollution, hazardous materials and land use planning. Applications to the Santa Barbara area emphasized. Required of Environmental Studies majors.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 115L Environmental Geology Laboratory (1 Unit)**
Same as: ENVS 115L
Corequisites: ERTH 115/ENVS 115.
Hours: 54 (54 lab)
Laboratory approach to topics covered in ENVS 115, with emphasis on rock and mineral identification, hazard assessment, geologic resource management, and land use planning. In-lab field trips.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 116 Energy and Natural Resources (3 Units)**
Same as: ENVS 116
Hours: 54 (54 lecture)
Study of formation, exploration, development and judicious use of natural resources in relation to present and future energy requirements, including electricity, conservation, fossil fuels, solar, geothermal, nuclear and hydrogen. Required of Environmental Studies majors.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 122 Dinosaurs (3 Units)**
Hours: 54 (54 lecture)
Introduction to the science of dinosaurs, stressing their evolution, ecology, bone structures and extinction. Emphasizes dinosaurian diversity, rise of dinosaurs, and their extinction in a Mesozoic world. Provides for a better perspective on the patterns and trends of all life, living and extinct. Scientific videos and fossil material used in the course.
Transfer Information: CSUGE Area B1, CSUGE Area B2, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 125 Mineralogy and Resources (5 Units)**
Course Advisories: ERTH 111 or ERTH 112 and CHEM 101.
Hours: 162 (54 lecture, 108 lab)
Introduction to the identification and basic concepts of mineralogy, emphasizing crystallography, crystal chemistry, mineral chemistry, paragenesis of economic minerals and plate tectonics of mineral resources. A portion of the course is devoted to optical mineralogy. Hand-identification of minerals stressed.
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 126 Petrology and Rock-Forming Minerals (5 Units)**
Course Advisories: ERTH 111 or ERTH 112 and CHEM 101.
Hours: 162 (54 lecture, 108 lab)
Designed to familiarize students with the basic fundamentals and classification of rock-forming mineralogy, textures, origins and occurrences of igneous, sedimentary and metamorphic rocks. Use of the polarizer, X-ray and field identification procedures stressed.
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 130V Geologic Field Studies - Hawaii Volcanology (2.5 Units)**
Corequisites: ERTH 111 or 111H or 112 or 113 or 114 or 115 or ENVS 115 or ERTH 125 or 126 or 131 or 132 or 133 or 141 or GEOG 101 or ERTH 151.
Hours: 117 (9 lecture, 108 lab)
A twelve-day field-studies course with an emphasis on the structural, plutonic and volcanic features of Kilauea volcano, Hawaii. Kilauea's long-documented eruptive history and easy accessibility make it a training ground for USGS volcanologists. Focuses on the history and features of the volcano and its interactions with the people that live on it.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 131 Geologic Field Studies - Eastern Sierra Nevada (2 Units)**
Corequisites: ERTH 111 or 111H or 112 or 113 or 114 or 115 or ENVS 115 or ERTH 122 or 125 or 126 or 132 or 141 or GEOG 101 or 106 or ERTH 151.
Hours: 72 (18 lecture, 54 lab)
Five-day field course to study and interpret the geologic features and history of the Eastern Sierra Nevada region. Topics include faults, volcanoes, glaciers, mining and tectonic history of the region. Fee required.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 132 Geologic Field Studies - Death Valley (2 Units)**
Corequisites: ERTH 111 or ERTH 111H or ERTH 112 or ERTH 113 or ERTH 114 or ERTH 115 or ENVS 115 or ERTH 122 or ERTH 125 or ERTH 126 or ERTH 131 or ERTH 141 or GEOG 101 or 106 or ERTH 151.
Hours: 72 (18 lecture, 54 lab)
Five-day field course to study and interpret the geologic features and history of the Death Valley region. Topics include the volcanic, tectonic and hydrologic history of the region. Fee required; see department for information.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 133 Introductory Geologic Field Seminar - Colorado Plateau (4 Units)**
Corequisites: ERTH 111 or ERTH 112 or ERTH 113 or ERTH 114 or ERTH 115 or ENVS 115 or ERTH 125 or ERTH 126 or ERTH 131 or ERTH 132 or ERTH 141 or GEOG 101 or ERTH 151.
Hours: 180 (18 lecture, 162 lab)
Fifteen-day intensive field study of the geology of the Colorado Plateau region. Emphasis on the geologic processes and features of the parks of the Southwest, including the Grand Canyon, Canyonlands, Arches, Capitol Reef, Bryce and Zion National Parks. Designed for students with previous geologic background. Fee required-see department for information.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 134 Geologic Field Studies - Western Sierra Nevada (2.5 Units)**
Hours: 81 (27 lecture, 54 lab)
Fee required; contact department for information. Eight-day field course to study and interpret the geologic features and history of the western Sierra Nevada region. Topics include plutonism, landform evolution, glaciation, tectonic and geologic history, and uplift processes of the modern Sierra Nevada.
Transfer Information: CSU Transferable

**ERTH 137 Introductory Field Geology (4.5 Units)**
Prerequisites: ERTH 111 or ERTH112 or ERTH 125 or ERTH 126 or ERTH 131 or ERTH 132 or ERTH 133.
Course Advisories: ERTH 111L or ERTH 112L.
Hours: 153 (45 lecture, 108 lab)
Provides intensive field experience in application of field geology equipment, methods, techniques and maintenance procedures. "Hands-on" approach includes use of Brunton compass and tape, aerial photos, plane table and alidade, and geographical mapping.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 138 Geology Field Camp (4.5 Units)**
Corequisites: ERTH 137.
Hours: 189 (27 lecture, 162 lab)
Summer Session that consists of 14 consecutive days at a geologic field camp, followed by five eight-hour days in an on-campus laboratory. Provides for rigorous work experience in field geology for Earth Science majors. Includes field mapping of a "badlands" area, using aerial photographs, topographic maps, geological surveying equipment and earth materials.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 141 Physical Geography (3 Units)**
Same as: GEOG 101
Hours: 54 (54 lecture)
A spatial study of Earth's dynamic physical systems and processes. Interrelationships between the basic elements of the physical and human environments are examined, including geology (plate tectonics; volcanoes and earthquakes), geomorphology (formation and modification of landforms; river, coastal, and glacial processes), meteorology (Earth's atmosphere; weather and climate), and hydrology (water on Earth).
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 141L Physical Geography Laboratory (1 Unit)**
Same as: GEOG 101L
Corequisites: ERTH 141/GEOG 101.
Hours: 54 (54 lab)
Laboratory approach to a combination of earth science disciplines, including cartography, geology, geomorphology, meteorology and oceanography. Remote sensing techniques are utilized in 75% of laboratory activities.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 142 Economic Geography (3 Units)**
Same as: GEOG 105
Hours: 54 (54 lecture)
Explores the impact humans have on their environment and on each other through resource exploitation and economic activity. Investigates the development and global impact of diverse geographies, the effect of place on economic sectors, and the role of place in strengthening or weakening economies. Also addresses regional patterns of principal economic activities of the world, with an emphasis on economic development, urbanization, transportation and the environment.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D2, CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable

**ERTH 151 Introductory Physical Oceanography (3 Units)**
Hours: 54 (54 lecture)
Designed for students desiring a broadly-based analysis of the physical aspects of the oceans. Study of the origin of the continents and oceans, marine geology, chemistry of seawater, currents, waves, tides and the ocean environment. Required of Marine Science majors.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 151L Introductory Physical Oceanography Laboratory (1 Unit)**
Corequisites: ERTH 151.
Hours: 56 (56 lab)
Designed for students desiring a broadly-based analysis of the physical aspects of the oceans. Study of the origin of the continents and oceans, marine geology, chemistry of seawater, currents, waves, tides and the ocean environment. Required of Marine Science majors.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 152 Weather and Climate (3 Units)**
Same as: GEOG 152
Hours: 54 (54 lecture)
Fundamentals of meteorology, including the nature of the atmosphere, solar radiation and energy balances, circulation of the atmosphere, air masses and fronts, atmospheric moisture, clouds and fog, precipitation, cyclones, weather analysis and forecasting, climate, and climate change.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**ERTH 152L Weather and Climate Laboratory (1 Unit)**
Same as: GEOG 152L
Corequisites: ERTH 152 or GEOG 152.
Hours: 54 (54 lab)
Laboratory approach to topics covered in the Weather and Climate lecture (ERTH 152/GEOG 152). Exercises introduce fundamentals of meteorology, including the nature of the atmosphere, circulation of the atmosphere, air temperature and humidity, and weather analysis and forecasting. Students collect and analyze a variety of environmental data.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ERTH 171 Introduction To Geographic Information Systems And Maps (2 Units)**
Same as: GEOG 171
Corequisites: ERTH 172 or GEOG 172.
Hours: 36 (36 lecture)
Techniques, tools and theories used to examine geographic information. Includes the structure, uses, and basic operations of a Geographic Information System (GIS). Cartography and cartographic design are incorporated, as well as overviews of aerial photography, remote sensing, and global positioning systems. Includes uses of GIS software in business, urban planning, resource management and scientific research.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 172 Geographic Information Systems: Software Applications (2 Units)**
Same as: GEOG 172
Corequisites: GEOG 171 or ERTH 171.
Hours: 54 (27 lecture, 27 lab)
Extensive practice with a GIS package, accompanied by exploration of the range of applications in which GIS is used (resource management, public works, business, planning, scientific research). Covers key skills for operating GIS software packages, including geographical data acquisition, creation, management, analysis and output.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 231A Field Study - Mineralogy and Mineral Resources of the Eastern Sierra Nevada (2 Units)**
Corequisites: ERTH 125.
Hours: 72 (18 lecture, 54 lab)
Concurrent Five-day field course to study and interpret the mineralogy and resources of the Eastern Sierra Nevada region. Topics include metallic and industrial mineral resources, energy resources and mining of the region. Fee required - see department for information.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 231B Field Study - Energy Resources of the Eastern Sierra Nevada (2 Units)**
Prerequisites: ERTH 131 or ERTH 231A.
Hours: 72 (18 lecture, 54 lab)
Fee required - see department for information. Five-day field course to study and interpret the energy resources of the Eastern Sierra Nevada region. Topics include wind, solar-thermal electric, solar photovoltaic, micro hydropower, hydropower and geothermal energy resources of the region.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 232A Field Study - Petrology of the Death Valley Region (2 Units)**
Corequisites: ERTH 126.
Hours: 72 (18 lecture, 54 lab)
Prerequisite or Five-day field course to study and interpret the petrology of the Death Valley region. Topics include field recognition and interpretation of igneous, sedimentary and metamorphic rocks, and mining of the region. Fee required - see department for information.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 232B Field Study - Mineral Resources and Plate Tectonic History of the Death Valley Region (2 Units)**
Prerequisites: ERTH 132 or ERTH 232A.
Hours: 72 (18 lecture, 54 lab)
Five-day field course to study and interpret the mineral resources and tectonic history of the Death Valley region. Topics include field recognition and interpretation of rocks, mineral deposits, and structures of the region. Fee required - see department for information.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 233 Advanced Geologic Field Seminar - Colorado Plateau (4 Units)**
Prerequisites: ERTH 133.
Hours: 170 (23 lecture, 147 lab)
15-day intensive field study of the geology of the Colorado Plateau region. Emphasis on the stratigraphy, tectonic evolution and geologic history of the parks of the Southwest, including the Grand Canyon, Canyonlands, Arches, Capitol Reef, Bryce and Zion National Parks. Designed for second-year geology students. Fee required - see department for information.
Transfer Information: CSU Transferable, UC Transferable

**ERTH 299 Independent Study In Earth Science (1-4 Units)**
Limitations on Enrollment: Completion of a minimum of 12 units at SBCC, with a 2.5 G.P.A., and a minimum of six units, with a 3.0 G.P.A. within the department.
Hours: 192 (192 lab)
For complete information, see "Independent Study" in the Catalog Index.
Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Economics (ECON)
## Credit Courses

**ECON 101 Microeconomics (3 Units)**
Prerequisites: MATH 095 or MATH 007C or Equivalent based on SBCC's Assessment Center placement via multiple measures.
Course Advisories: MATH 107, ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Principles of microeconomic analysis, economic institutions, and issues of public policy. Topics include scarcity, specialization and trade, market equilibrium, elasticity, production and cost theory, market structures, factor markets, and market failure.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D2, IGETC Area 4B, CSU Transferable, UC Transferable

**ECON 101H Microeconomics, Honors (4 Units)**
Prerequisites: MATH 095 or MATH 007C or Equivalent based on SBCC's Assessment Center placement via multiple measures.
Limitations on Enrollment: Admission to the Honors program.
Course Advisories: MATH 107, ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Principles of microeconomic analysis, economic institutions and issues of public policy. Topics include scarcity, specialization and trade, market equilibrium, elasticity, production and cost theory, market structures, factor markets and market failure. The honors course is enhanced with supplemental analytical tools and requires additional readings, writing and a research capstone project.
Transfer Information: CSUGE Area D, IGETC Area 4, CSU Transferable, UC Transferable

**ECON 102 Macroeconomics (3 Units)**
Prerequisites: MATH 095 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 54 (54 lecture)
An introductory course focusing on aggregate economic analysis. Topics include market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and the financial system, the business cycle, monetary and fiscal policy, and economic growth.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D2, IGETC Area 4B, CSU Transferable, UC Transferable

**ECON 102H Macroeconomics, Honors (4 Units)**
Prerequisites: MATH 095 or qualifying score on SBCC placement exam.
Limitations on Enrollment: Honors course Students must be accepted into The Honors Program at SBCC.
Hours: 72 (72 lecture)
An introductory course focusing on aggregate economic analysis. Topics include market systems, aggregate measures of economic activity, macroeconomic equilibrium, money and the financial system, the business cycle, monetary and fiscal policy, and economic growth. The honors course is enhanced with supplemental analytical tools and requires additional readings, writing, and a research capstone project.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D, IGETC Area 4, CSU Transferable, UC Transferable

**ECON 114 Environmental and Natural Resource Economics (3 Units)**
Hours: 54 (54 lecture)
SKills Advisories: Eligibility for ENG 110 or 110H and proficiency in MATH 104 or 107 or 111. An introduction to the economic analysis of environmental quality and natural resource utilization. Topics include market failures, environmental degradation, sustainable resource allocation, conventional and market-based solutions to environmental problems, as well as the evaluation of public policies aimed at addressing such problems.
Transfer Information: CSUGE Area D, IGETC Area 4, CSU Transferable, UC Transferable

**ECON 295 Internship in Economics (2-4 Units)**
Limitations on Enrollment: Other: Students must have completed 12 units at SBCC with a minimum GPA of 2.5.
Hours: 273 (273 lab)
A minimum of 3 units in Economics are required. Structured internship program in which students gain experience in community organizations related to the discipline.
Transfer Information: CSU Transferable

# Education (ED)
## Credit Courses

**ED 101 Introduction To Teaching And Learning In K-12 Education (3 Units)**
Hours: 54 (54 lecture)
Provides students with an introduction to teaching as a profession. Addresses critical issues in diverse contemporary K-12 classrooms. Students initiate development of their professional portfolio. (10 hours of observation)
Transfer Information: CSU Transferable, UC Transferable

**ED 103 Introduction To Multicultural/Multilingual Education (3 Units)**
Corequisites: ED 101.
Hours: 54 (54 lecture)
Designed for students interested in pursuing teaching as a career. Provides an introductory survey of the study of multicultural/multilingual education.
Transfer Information: CSU Transferable, UC Transferable

**ED 104 Introduction to Inclusive Classroom Teaching (3 Units)**
Prerequisites: ED 101.
Corequisites: ED 291 or ED 295 (concurrent).
Hours: 54 (54 lecture)
Introduces students to the concepts and issues related to teaching diverse learners in today's K-12 classrooms. Topics include teaching as a profession and career, historical and philosophical foundations of the American education system, contemporary educational issues, special education, content standards and frameworks, teacher performance standards, and inclusion education.
Transfer Information: CSU Transferable, UC Transferable

**ED 291 Practicum in Teaching (2 Units)**
Prerequisites: ED 101, may be taken concurrently.
Hours: 72 (18 lecture, 54 lab)
Designed to provide pre-service teachers the opportunity to gain field experience. Students begin to apply skills essential to effective teaching under the guidance of a mentor teacher. Course consists of 45 hours of supervised field experience and 16 hours of lecture. Lecture will focus on topics related to school need and current trends in education.
Transfer Information: CSU Transferable

**ED 295 Internship In Education (2-3 Units)**
Hours: 144 (144 lab)
Prerequisite or corequisite of ED 101. Structured internship program in which students gain field experience with community organizations related to the discipline.
Transfer Information: CSU Transferable

# Emergency Medical Technician (EMT)
## Credit Courses

**EMT 110 Emergency Medical Technician-Basic (6 Units)**
Limitations on Enrollment: Current CPR certificate for either the Health Care Provider or the Professional Rescuer, must be at least 18 years old by the fourth week of the semester, and background check and TB testing are required.
Course Advisories: AH 120 Medical terminology provides a basic foundation in understanding terms associated with body systems and the injuries and illnesses which the EMT will be assessing and treating.
Hours: 189 (88.2 lecture, 100.8 lab)
Theory and skills for treatment of acute/emergency injury and illness. Includes observations in hospital and with field EMS provider. Fulfills Title 22 Guidelines and State Health and Safety Code for EMT -B certification. Successful course completion required to take National Registry of EMTs Exam which is required for certification in any California county.

# Engineering (ENGR)
## Credit Courses

**ENGR 101 Introduction To Engineering (2 Units)**
Hours: 36 (36 lecture)
Introduction to the engineering profession, engineering schools and four-year transfer programs. Discussion of methods and history of engineering, as well as guest speakers. Discussion of current areas of interest including engineering in the Santa Barbara area community. Recommended for all Engineering majors.
Transfer Information: CSU Transferable, UC Transferable

**ENGR 102 Engineering Calculations with MATLAB (1 Unit)**
Hours: 27 (13.5 lecture, 13.5 lab)
Introduction to engineering calculations using the MATLAB interactive environment software package for performing technical computations. Topics include matrix computation, numerical analysis, graphics and m-files (source code). Designed for people who have no MATLAB experience and who may not have any previous programming experience.

**ENGR 105 Engineering Graphics (4 Units)**
Hours: 108 (54 lecture, 54 lab)
Graphic/visual communication, emphasizing the engineering design process. Topics include the design process, freehand sketching, multiviews, dimensioning, tolerancing, auxiliary views, 3D solid modeling and assembly, sectional views and computer-aided drafting using CADKEY or AutoCAD software.
Transfer Information: CSU Transferable, UC Transferable

**ENGR 115 Statics And Strength Of Materials (4 Units)**
Prerequisites: PHYS 121.
Hours: 72 (72 lecture)
Study of force systems, statics of particles and rigid bodies, and distributed forces. Analysis of structures, friction, centroids, moments of inertia, Mohr's circle, shear and bending moment diagrams, and distributed forces.
Transfer Information: CSU Transferable, UC Transferable

**ENGR 116 Dynamics (4 Units)**
Prerequisites: ENGR 115 and MATH 160.
Hours: 72 (72 lecture)
Study and analysis of motions of particles and rigid bodies. Velocity, acceleration, relative motion, work, energy, impulse, and momentum. Vector mathematics where appropriate.
Transfer Information: CSU Transferable, UC Transferable

**ENGR 117 Electronic Circuits (3 Units)**
Prerequisites: MATH 160.
Corequisites: PHYS 122.
Skills Advisories: Eligibility for ENG 098 and 103.
Hours: 54 (54 lecture)
Introduction to electronic circuits. Includes AC and DC circuit analysis, transient and complete response, and operational amplifiers.
Transfer Information: CSU Transferable, UC Transferable

**ENGR 117L Electronic Circuits Laboratory (1 Unit)**
Prerequisites: MATH 160.
Corequisites: ENGR 117 and PHYS 122.
Hours: 54 (54 lab)
Laboratory to accompany ENGR 117.
Transfer Information: CSU Transferable, UC Transferable

# English as a Second Language (ESL)
## Credit Courses

**ESL 029 Writing Skills On Computer Levels 1-3 (1 Unit)**
Hours: 18 (18 lecture)
This non-graded hybrid (part online, part traditional instruction) course is designed to improve ESL students' writing and revising skills using computer-assisted methods.

**ESL 035 Levels 1-2: Basic Conversation (1 Unit)**
Hours: 18 (18 lecture)
Designed for beginning ESL students who wish to develop survival speaking and listening skills, including the use of appropriate pronunciation, vocabulary and grammar. Emphasis is on English for daily life.

**ESL 040 Grammar Level 1 (4 Units)**
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides the beginner with the foundation of English grammar and enables the student to function at least minimally (both orally and in writing) in common English language situations.
Transfer Information: Extrnl - Not Degree Applicable

**ESL 046A Beginning English as a Second Language Skills 1A (4 Units)**
Prerequisites: Qualifying score on SBCC ESL placement exam.
Hours: 72 (72 lecture)
One of two integrated skills courses designed for beginning English as a second language students. Focus is on reading, writing, and grammar skills, with emphasis on reading, writing, speaking and listening in the present tense with use of basic vocabulary, sentence structure and metacognitive routines. Student progress assessed at completion of 1A and/or 1B to determine eligibility for 2A and/or 2B.

**ESL 046B Beginning English as a Second Language Skills 1B (4 Units)**
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
One of two integrated skills courses designed for beginning English as a second language students. Focus is on reading, writing, and grammar skills, with emphasis on reading, writing, speaking and listening in the present progressive tense with use of basic vocabulary, sentence structure and metacognitive routines. Student progress assessed at completion of 1A and/or 1B to determine eligibility for 2A and/or 2B.

**ESL 047A High-Beginning English Language Skills 2A (4 Units)**
Prerequisites: ESL 040 and ESL 041 or ESL 040 and ESL 042 or ESL 042 and ESL 041 or ESL 046A and ESL 046B or Qualifying Score on SBCC ESL placement exam.
Hours: 72 (72 lecture)
One of two integrated skills courses designed for high-beginning English as a Second Language students. Focus is on reading, writing, and grammar skills, with emphasis on reading, writing, speaking and listening in the simple past and future tenses with use of high-beginning vocabulary, sentence structure, and metacognitive routines. Student progress assessed at completion of 2A and/or 2B to determine eligibility for level 3 courses.

**ESL 047B High-Beginning English Language Skills 2B (4 Units)**
Prerequisites: ESL 046A and ESL 046B or ESL 041 and ESL 040 or ESL 040 and ESL 042 or ESL 041 and ESL 042 or Qualifying score on SBCC ESL placement exam.
Hours: 72 (72 lecture)
One of two integrated skills courses designed for high-beginning English as a Second Language students. Focus is on reading, writing and grammar skills, with emphasis on reading, writing, speaking and listening in the past progressive and future tenses with use of high-beginning vocabulary, sentence structure and metacognitive routines. Student progress assessed at completion of 2A and/or 2B to determine eligibility for level 3 courses.

**ESL 050 Grammar Level 2 (4 Units)**
Prerequisites: ESL 040 or ESL 043 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides the intermediate-level student with a continuation of the foundation of English grammar and enables the student to function at an intermediate level (both orally and in writing) in common English language situations.

**ESL 060 Grammar Level 3 (4 Units)**
Prerequisites: ESL 050 or ESL 053 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides the intermediate student with grammatical structures presented in context. Emphasis is on self-expression and conveyance of meaning.

**ESL 061 Writing Level 3 (4 Units)**
Prerequisites: ESL 051 or ESL 054 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed for the intermediate-level student, course provides a foundation of English writing and the ability to function at an intermediate level in written communications for academic, work and personal purposes. Non-graded, transferable.

**ESL 062 Reading Level 3 (4 Units)**
Prerequisites: ESL 052 or ESL 054 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides the intermediate level student with further study in vocabulary development and increased reading comprehension through development of specific reading skills.

**ESL 064 Intermediate Reading and Writing (6 Units)**
Prerequisites: ESL 050 and ESL 052 and ESL 051 or ESL 047A and ESL 047B or qualifying score on SBCC ESL placement exam.
Hours: 108 (108 lecture)
This is the first course in the academic reading and writing sequence. Supports intermediate level nonnative English language learners in developing writing, reading, critical thinking and vocabulary skills. Focus is on building reading fluency and writing paragraphs and short compositions connected to ideas from readings. Also emphasizes intermediate grammar and sentence structures.

**ESL 072A Intermediate English as a Second Language Skills 3A (4 Units)**
Prerequisites: ESL 047A and ESL 047B or ESL 050 and ESL 052 or ESL 050 and ESL 051 or ESL 051 and ESL 052 or Qualifying Score on SBCC ESL placement exam.
Hours: 72 (72 lecture)
One of two integrated skills courses designed for intermediate English as a Second Language students. Focus is on reading, writing, speaking, listening and grammar skills, such as the use of the present perfect and other intermediate level grammar structures, vocabulary and sentence structures and metacognitive routines.

**ESL 072B Intermediate English as a Second Language Skills 3B (4 Units)**
Prerequisites: ESL 047A and ESL 047B or ESL 050 and ESL 052 or ESL 050 and ESL 051 or ESL 052 and ESL 051 or Qualifying score on SBCC ESL placement exam.
Hours: 72 (72 lecture)
One of two integrated skills courses designed for intermediate English as a Second Language students. Focus is on reading, writing, speaking, listening, and grammar skills such as use of the present perfect progressive tense, gerunds and infinitives, and other intermediate level grammar structures, vocabulary, sentence structures and metacognitive routines.

**ESL 094 Intermediate ESL Preparation for Environmental Horticulture Studies (3 Units)**
Prerequisites: ESL 060 or qualifying score on SBCC Placement Exam.
Hours: 54 (54 lecture)
First in a series of two courses. Intended to prepare intermediate to high level ESL students with intermediate level reading, writing, speaking, listening and study skills for success in preparation for credit Environmental Horticulture courses.

**ESL 095 Advanced ESL Preparation for Environmental Horticulture (3 Units)**
Prerequisites: ESL 094.
Hours: 54 (54 lecture)
Second in a series of two courses. Intended to prepare intermediate to high level ESL students with advanced level reading, writing, speaking, listening and study skills in preparation for credit Environmental Horticulture courses.

**ESL 096 Introduction to Early Childhood Education for High-Beginning/Low-Intermediate ESL (3 Units)**
Hours: 54 (54 lecture)
Designed for high-beginning to low-intermediate English as a Second Language students who are interested in a career in early childhood education. Emphasis is on linguistic development in the specific context of early childhood education to help students develop the language skills necessary for success in ESL 97.

**ESL 097 Introduction to Early Childhood Education for Intermediate ESL (3 Units)**
Hours: 54 (54 lecture)
Designed for intermediate English as a Second Language students who are interested in a career in early childhood education. Emphasis is on linguistic development in the specific context of early childhood education to help students develop the language skills necessary for success in ESL 98.

**ESL 098 Introduction To Early Childhood Education for High-Intermediate to Advanced ESL (3 Units)**
Hours: 54 (54 lecture)
Designed for high intermediate to advanced English as a Second Language students who are interested in a career in early childhood education. Emphasis is on linguistic development in the specific context of early childhood education to help students develop the language skills necessary for success in ECE 100.

**ESL 113 Beginning Listening and Speaking: Level 1 (4 Units)**
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed to acquaint beginning-level students with basic listening, speaking and conversation skills.

**ESL 113A Level 1A: Beginning Conversation (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
First of two two-unit segments of course. Beginning-level students develop listening, speaking and conversation skills.

**ESL 113B Level 1B: Beginning Listening and Speaking (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
Second of two two-unit segments of course. Beginning-level students develop listening, speaking and conversation skills.

**ESL 117 Intermediate Listening and Speaking: Level 2 (4 Units)**
Prerequisites: ESL 113 or ESL 43 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Intermediate-level students develop listening, speaking and conversation skills.

**ESL 117A Level 2A: Intermediate Listening and Speaking (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
First of two two-unit segments of course. Intermediate-level students develop listening, speaking and conversation skills.
Transfer Information: CSU Transferable

**ESL 117B Level 2B: Intermediate Listening and Speaking (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
Second of two two-unit segments of course. Intermediate-level students develop listening, speaking and conversation skills.
Transfer Information: CSU Transferable

**ESL 121 Level 3: High-Intermediate Listening and Speaking (4 Units)**
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
High intermediate-level students develop listening, speaking and conversation skills.

**ESL 121A Level 3A: High-Intermediate Listening and Speaking (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
First of two two-unit segments of course. High intermediate-level students develop listening, speaking and conversation skills.
Transfer Information: CSU Transferable

**ESL 121B Level 3B: High-Intermediate Speaking and Listening (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
Second of two two-unit segments of course. High intermediate-level students develop listening, speaking and conversation skills.
Transfer Information: CSU Transferable

**ESL 122 Grammar Level 4 (4 Units)**
Prerequisites: ESL 060 or better or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed to provide the advanced student with natural language activities which utilize the target grammar. Multiple examples and the use of a variety of materials facilitate students' deductive learning processes.
Transfer Information: CSU Transferable

**ESL 123 Writing Level 4 (4 Units)**
Prerequisites: ESL 061 or qualifying score on SBCC placement exam, or ESL 064.
Hours: 72 (72 lecture)
Transferable offering designed to take students from paragraph writing to development of the essay as well as to more effective personal and work-related written communication.
Transfer Information: CSU Transferable, UC Transferable

**ESL 124 Reading Level 4 (4 Units)**
Prerequisites: ESL 62 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
0 For the advanced student with demonstrated knowledge and experience in contextualized English grammar and writing. Designed to review and refine grammar for application in advanced writing projects to enable the student to successfully transition into non-ESL course work. Introduction to basic computer and word processing skills necessary for academic work.
Transfer Information: CSU Transferable

**ESL 125 Level 4: Advanced Listening and Speaking (4 Units)**
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Advanced-level students develop listening, speaking and conversation skills.
Transfer Information: CSU Transferable

**ESL 125A Level 4A: Advanced Listening and Speaking (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
First of two two-unit segments of course. Advanced-level students develop listening, speaking and conversation skills.
Transfer Information: CSU Transferable

**ESL 125B Level 4B: Advanced Listening and Speaking (2 Units)**
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 36 (36 lecture)
Second of two two-unit segments of course. Advanced-level students develop listening, speaking and conversation skills.
Transfer Information: CSU Transferable

**ESL 126 Level 1-5: Reading And Writing Workshop (2 Units)**
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 36 (36 lecture)
Designed as a short two-unit course. The focus is to help students develop reading and writing skills appropriate to the various levels of the program. The class can be offered as a face to face course or hybrid online.
Transfer Information: CSU Transferable

**ESL 130 Reading Level 5 (4 Units)**
Prerequisites: ESL 124 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed to provide the advanced ESL reader with reading comprehension skills, study skills and vocabulary development. Strongly emphasizes skill development for mainstreaming students into the general college curriculum.
Transfer Information: CSU Transferable

**ESL 131 Grammar Level 5 (4 Units)**
Prerequisites: ESL 122 or better or 132 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Advanced grammar designed to teach sentence-level grammar, as well as a review of tense system and parts of speech.
Transfer Information: CSU Transferable

**ESL 132 Advanced Reading and Writing (6 Units)**
Prerequisites: ESL 060 and ESL 061 and ESL 062 or ESL 064, by qualifying score on ESL placement exam.
Hours: 108 (108 lecture)
This transferable course is second in the academic reading/writing sequence. It supports advanced non-native English learners in developing academic writing, reading, critical thinking and vocabulary skills for college classes. Focus is on paragraph and essay development of personal and expository writing related to course readings. Emphasis on grammar and sentence structure for academic writing.
Transfer Information: CSU Transferable, UC Transferable

**ESL 133 Listening and Speaking Skills for College (4 Units)**
Prerequisites: Qualifying score on SBCC placement exam.
Course Advisories: ESL 062 or ESL 063 or Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed to develop the listening and speaking skills necessary for success in the college environment. Emphasis on listening comprehension strategies, effective note-taking from lectures and oral communication, and presentation skills at a high intermediate to advanced level.
Transfer Information: CSU Transferable

**ESL 134 Writing Level 5 (4 Units)**
Prerequisites: ESL 123 or 132 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Transferable offering to assist students in further developing essay skills in preparation for transition to non-ESL classes and to improve work and personal written communication.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSU Transferable, UC Transferable

**ESL 135 High-Advanced Reading and Writing (6 Units)**
Prerequisites: ESL 122 and ESL 123 with a "P" and and ESL 124 or ESL 132 or by qualifying score on ESL placement exam.
Hours: 108 (108 lecture)
This transferable course is the third course in the academic reading and writing sequence. It supports high-advanced level non-native English language learners in developing academic writing, reading, critical thinking and vocabulary skills to transition to ENG 110 and regular college coursework. Continued focus on composing and refining academic writing through essay development.
Transfer Information: CSU Transferable, UC Transferable

**ESL 136A Academic English: Grammar and Editing A (1 Unit)**
Hours: 18 (18 lecture)
Designed for the advanced non-native speaker of English who requires additional review and practice to improve accuracy and fluency writing. To support students in college courses, instruction will focus on common student errors at the sentence level.

**ESL 136B Academic English: Grammar and Editing B (1 Unit)**
Hours: 18 (18 lecture)
Grammar, editing and proofreading practice for advanced ESL writers: Review and clarification of troublesome grammar points, and practice in writing, editing, and proofreading.

**ESL 137A Academic English: Editing Skills A (1 Unit)**
Hours: 16 (16 lecture)
Grammar and editing practice for advanced non-native speakers of English. Further review and clarification of common sentence-level errors for accuracy and fluency in college writing. ESL 136A/136B/137A/137B are not sequential and can be taken in any order.

**ESL 137B Academic English: Editing Skills B (1 Unit)**
Hours: 16 (16 lecture)
Designed for advanced non-native speakers of English, this course focuses on identifying and correcting common writing errors. For students in ESL, English Skills, English and other college courses.

**ESL 290 Work Experience In English As A Second Language (1-4 Units)**
Hours: 300 (300 lab)
Individual student meetings with instructor to be scheduled; time and day T.B.A. Laboratory hours are work experience and are individual for each student. Consists of supervised employment for students who are employed on or off campus. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# English, Composition and Literature (ENG)

**ENG 070 Effective Reading And Study Skills Techniques (3 Units)**
Hours: 54 (54 lecture)
Non-transferable developmental reading course intended for students who desire intensive work in critical reading, comprehension, study skills and vocabulary development. P/NP or Letter grade.

**ENG 088 Reading and Composition - Intensive (6 Units)**
Prerequisites: ESL 134 and ESL 130 or ESL 135.
Hours: 108 (108 lecture)
Provides intensive integrated college reading and composition skills for students who choose this optional course prior to transfer-level English.

**ENG 098 Fundamentals of Composition (3 Units)**
Hours: 54 (54 lecture)
Foundational course in composition, emphasizing development of ideas into organized essays which are correct in grammar and mechanics. Students may choose to take it as preparation for ENG 110.

**ENG 103 Critical Thinking and Reading (3 Units)**
Hours: 54 (54 lecture)
Emphasizes the relationship between critical reading and critical thinking. Students gain expertise in interpretation, analysis, and criticism of college-level academic and professional texts.
SBCC General Education: SBCCGE Area D2
Transfer Information: CSUGE Area A3, CSU Transferable, UC Transferable

**ENG 110 Composition and Reading (4 Units)**
Prerequisites: ENG 088 or ENG 098 or by placement.
Hours: 72 (72 lecture)
Practice in expository composition based on critical reading of various academic texts and one book-length work. Develop skills in writing effectively, reading carefully, and thinking clearly.
SBCC General Education: SBCCGE Area D1
Transfer Information: CSUGE Area A2, IGETC Area 1A, CSU Transferable, UC Transferable

**ENG 110E Composition and Reading, Enhanced (4 Units)**
Prerequisites: ENG 088 or ENG 098 or by placement.
Hours: 108 (54 lecture, 54 lab)
Practice in expository composition based on critical reading of various academic texts and one book-length work. Develop skills in writing effectively, reading carefully, and thinking clearly. Participate in guided practice of reading, writing, and research skills within a workshop setting.
SBCC General Education: SBCCGE Area D1
Transfer Information: CSUGE Area A2, IGETC Area 1A, CSU Transferable, UC Transferable

**ENG 110H Composition and Reading, Honors (4 Units)**
Prerequisites: ENG 088 or ENG 098 or by placement.
Limitations on Enrollment: Admission to Program.
Hours: 72 (72 lecture)
First semester of freshman English for students enrolled in the Honors Program. Practice in expository composition based on critical reading of various academic texts and one book-length work. Develop skills in writing effectively, reading carefully, and thinking clearly.
SBCC General Education: SBCCGE Area D1
Transfer Information: CSUGE Area A2, IGETC Area 1A, CSU Transferable, UC Transferable

**ENG 111 Critical Thinking and Composition Through Literature (3 Units)**
Prerequisites: ENG 110 or ENG 110H ENG 110E.
Hours: 54 (54 lecture)
Study of critical thinking and composition using literature as a basis for analysis. Emphasis on the techniques and principles of effective written argument as they apply to reading and writing about literature.
SBCC General Education: SBCCGE Area C, SBCCGE Area D2
Transfer Information: CSUGE Area A3, CSUGE Area C2, IGETC Area 1B, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 111H Critical Thinking and Composition Through Literature, Honors (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Limitations on Enrollment: Admission to Program* Acceptance into the Honors Program.
Hours: 54 (54 lecture)
For students enrolled in the Honors program at SBCC, a study of critical thinking and composition using literature as a basis for analysis. Emphasis on the techniques and principles of effective written argument as they apply to reading and writing about literature.
SBCC General Education: SBCCGE Area C, SBCCGE Area D2
Transfer Information: CSUGE Area A3, CSUGE Area C2, IGETC Area 1B, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 115 Argumentative Writing and Critical Thinking (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Offers instruction in argumentation, critical writing and critical thinking, based on analytic reading of primarily non-fiction texts from a variety of disciplines.
Transfer Information: CSUGE Area A3, IGETC Area 1B, CSU Transferable, UC Transferable

**ENG 119A CAP Core Literacies: Reading and Writing Within Academic Disciplines (3 Units)**
Limitations on Enrollment: Admission to Program, students must have been accepted in the College Achievement Program.
Hours: 54 (54 lecture)
Students identify how personal challenges (including reading and writing skills) affect academic performance, develop strategies to address these challenges, and assess effectiveness of adopted strategies.

**ENG 119B Cap Core Literacies: Reading, Writing and Critical Thinking Across Disciplines (3 Units)**
Limitations on Enrollment: Admission to Program, students must have been accepted in the College Achievement Program.
Hours: 54 (54 lecture)
Students develop ways to transfer core reading, writing, critical inquiry, and metacognitive strategies in classes across disciplines and in personal and career decision-making.

**ENG 173 Screenwriting I (3 Units)**
Same as: FS 173
Prerequisites: ENG 070 and ENG 098 or qualifying score on SBCC placement exam.
Hours: 72 (45 lecture, 27 lab)
Study of elements of dramatic writing for the cinema: the three-act structure, character delineation and motivation, conflict development and pacing, dialog and subtext, and unifying the message. Students analyze feature films and television screenplays for their structure, pacing and characterization; write scenes in correct format; complete a treatment for a feature film or television.
Transfer Information: CSU Transferable, UC Transferable

**ENG 181 Technical And Professional Writing (3 Units)**
Same as: CIS 181
Hours: 54 (54 lecture)
Writing course designed to teach professional-level written communication in technical fields.
Transfer Information: CSU Transferable

**ENG 200 Introduction to Literature (3 Units)**
Prerequisites: ENG 110 or 110H.
Hours: 54 (54 lecture)
Introduces representative works from major genres (poetry, drama, and short fiction), develops students' close reading and analytical writing skills, and promotes critical understanding of the cultural, historical, and aesthetic qualities of literature.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 221 Survey of British Literature: 800-1798 (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Chronological survey of British literature from Anglo-Saxon times to the end of the 18th century.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 221H Survey of British Literature 800-1798, Honors (4 Units)**
Prerequisites: ENG 110 or ENG 110H.
Limitations on Enrollment: Honors course Admission to the Honors Program at SBCC.
Hours: 72 (72 lecture)
Honors chronological survey of British literature from Anglo-Saxon times to the end of the 18th century.
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 222 Survey of British Literature: 1798-Present (3 Units)**
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Survey of British literature during 1798-present, including fiction, poetry, drama and essays.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 222H Survey of British Literature: 1798-Present, Honors (4 Units)**
Prerequisites: ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Survey of British literature during the 19th, 20th and 21st centuries, including fiction, poetry, drama and essays.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 225 American Literature: Pre-Colonization to 1865 (3 Units)**
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Study of American imagination and culture through representative works of literature, from the colonial period through the Civil War. Explores the historic diversity in American literature, the ways in which authors appropriate literary conventions and genres to create an authentic American voice, and the presence of these trends in contemporary American culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 226 American Literature: 1865-present (3 Units)**
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Intensive study of post-Civil War American culture through a reading of its major authors. Included are novels, short stories, drama, poetry, and essays by Americans from diverse backgrounds.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 226H American Literature, Honors (4 Units)**
Prerequisites: ENG 110 or ENG 110H.
Limitations on Enrollment: Admission to Program.
Course Advisories: ENG 111 or 111H.
Hours: 72 (72 lecture)
Intensive study of post-Civil War American culture through a reading of its major authors. Included are novels, short stories, drama and poetry by Americans from varied backgrounds.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 231 World Literature: Ancient Times to 16th Century (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or ENG 111H.
Hours: 54 (54 lecture)
Study of representative works of Western and non-Western literature from ancient times to the 16th century.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 232 World Literature: 17th Century to Present (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or ENG 111H.
Hours: 54 (54 lecture)
A comparative study of selected works, in translation in English, of literature from around the world, including Europe, the Middle East, Asia and other areas, from the mid or late seventeenth century to the present.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 240 Contemporary Fiction (3 Units)**
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Reading of representative works of 21st century and late 20th century fiction. In-depth exploration of representative fiction with such themes as alienation, spiritual search, identity quests, etc.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 241 Contemporary Women Writers (3 Units)**
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Representative works of fiction, non-fiction, poetry and drama written by contemporary women writers.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 242 Contemporary Dramatic Literature (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Study of representative works of contemporary dramatic literature, emphasizing Pulitzer Prize-winning plays and issues reflecting current culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**ENG 251 Introduction To Poetry (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Representative selections of English and American poetry of various periods. Designed to acquaint the college transfer student with significant British and American poetry of all periods, including the study of structural elements of the art form of poetry, as well as an investigation of the enduring themes of mankind voiced through the art of poetry.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 261 Literature And Film (3 Units)**
Prerequisites: ENG 110 or 110H.
Hours: 54 (54 lecture)
Study of film adaptation of literary works which examines the aesthetic uniqueness and limitations of literary and cinematic forms. Focus on film and literary aesthetics and techniques. Students read literary works of various genres (e.g. short stories, novels and plays) and view film adaptations of these works.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 262 Shakespeare (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or ENG 111H.
Hours: 54 (54 lecture)
Study of the most representative examples of Shakespeare's four dramatic genres and sonnets.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ENG 270 Introduction to Creative Writing (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or111H .
Hours: 54 (54 lecture)
Study and practice in the art of creating fiction, poetry, drama and other literary forms.
Transfer Information: CSU Transferable, UC Transferable

**ENG 271D Creative Writing: Drama (3 Units)**
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H or 270.
Hours: 54 (54 lecture)
Advanced study and practice in playwriting.
Transfer Information: CSU Transferable, UC Transferable

**ENG 271F Creative Writing: Fiction (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or 111H or 270.
Hours: 54 (54 lecture)
Advanced study and practice in fiction writing.
Transfer Information: CSU Transferable, UC Transferable

**ENG 271NF Creative Writing: Non-fiction (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or ENG 111H.
Hours: 54 (54 lecture)
Advanced study and practice of creative writing in non-fiction genres.
Transfer Information: CSU Transferable, UC Transferable

**ENG 271P Creative Writing: Poetry (3 Units)**
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H or 270.
Hours: 54 (54 lecture)
Advanced study and practice in poetry writing.
Transfer Information: CSU Transferable, UC Transferable

**ENG 292H Advanced Literary Analysis, Honors (2 Units)**
Prerequisites: ENG 110 or 110H.
Limitations on Enrollment: Admittance into The Honors Program at SBCC.
Hours: 36 (36 lecture)
Honors course . By practicing a variety of in-depth literary analyses across a variety of texts and genres, students will see and understand the application of theories to texts.
Transfer Information: CSUGE Area C2, CSU Transferable, UC Transferable

**ENG 295 Internship In English (2-4 Units)**
Prerequisites: ENG 110 or ENG 110H.
Limitations on Enrollment: Other: Completion of two courses (in applicable discipline) at SBCC prior to enrolling in an Internship course.
Hours: 273 (273 lab)
Structured internship program in which students gain experience with community organizations related to the discipline.
Transfer Information: CSU Transferable

**ENG 299 Independent Study in English (1-3 Units)**
Prerequisites: ENG 110 or 110H.
Limitations on Enrollment: Student must have completed a minimum of twelve units at SBCC, with a 2.5 GPA, and a minimum of six (6) units with a 3.0 GPA in English Designed to offer the individual student an opportunity to explore an English subject in depth.
Hours: 144 (144 lab)
Specific course requirements are formulated by the student and instructor. Regular meetings with instructor are required. Course may be taken for 1-3 units of credit; each unit requires student to devote approximately three hours per week to his/her project.
Transfer Information: CSU Transferable

# Entrepreneurship (ENT)
## Credit Courses

### ENT 201 Introduction to Entrepreneurship and Innovation (3 Units)
Course Advisories: BUS 101.
Hours: 54 (54 lecture)
Introductory course intended to provide students with an overview of the vital role of entrepreneurs and the innovative process in the 21st century global economy. Students examine the underpinnings of entrepreneurship and innovation as each relates to the creative process. An applied approach is utilized to explore the interfaces between creativity, innovation and entrepreneurship.
Transfer Information: CSU Transferable

### ENT 202 Entrepreneurship: Idea to Business Model (3 Units)
Course Advisories: BUS 101 and ENT 201.
Hours: 54 (54 lecture)
Participants explore various business opportunities and analyze them using business modeling tools to ascertain the market potential of a new venture. A significant amount of time is devoted to analyses of industries, markets, competitors and customers.
Transfer Information: CSU Transferable

### ENT 203 Marketing Plan Development (3 Units)
Course Advisories: ENT 202.
Hours: 54 (54 lecture)
Examines key marketing variables, including market analysis, branding, strategic positioning, market segmentation, and the development of a marketing plan. Students develop marketing strategies to improve sales performance and close rates, increase customer loyalty and retention, and craft a unique competitive advantage.
Transfer Information: CSU Transferable

### ENT 204 Global Entrepreneurship (3 Units)
Course Advisories: BUS 101.
Hours: 54 (54 lecture)
Addresses the issues specific to international entrepreneurial venturing including search and identification of opportunities in foreign markets, logistics of international business expansion, cross-cultural business communication, international sourcing, international deal-making and networking.
Transfer Information: CSU Transferable

### ENT 205 Financial Management for Startups (3 Units)
Course Advisories: BUS 101.
Hours: 54 (54 lecture)
Explores the financial issues that affect the creation of a startup including business accounting and financial statement literacy, and forecasting techniques. Students investigate various sources and methods for raising startup capital.
Transfer Information: CSU Transferable

### ENT 206 Enterprise Launch (3 Units)
Course Advisories: BUS 101.
Hours: 54 (54 lecture)
Students engage in the rapid development of a product or service in a single semester by creating a prototype, obtaining customer feedback and validation, and making early sales.
Transfer Information: CSU Transferable

### ENT 207 Entrepreneurship Law (3 Units)
Course Advisories: BUS 101.
Hours: 54 (54 lecture)
Examines the legal implications involved in the creation of a startup. Topics include business entity formation, contract law, licensing. permits, intellectual property, cyber-law, employment law, agency law, contracts, tax law, reporting requirements, risk management and bankruptcy.
Transfer Information: CSU Transferable

### ENT 208 Business Plan Development (3 Units)
Course Advisories: ENT 202 and ENT 203 and ENT 204 and ENT 205.
Hours: 54 (54 lecture)
Students develop and write a comprehensive market-ready business plan for a startup. Examines a variety of entrepreneurial issues in the business planning process including: customer validation, product development, marketing, management, financing, and ongoing operations.
Transfer Information: CSU Transferable

### ENT 247 Entrepreneurship: Information Systems Management (3 Units)
Hours: 54 (54 lecture)
Introduction to the effective management of information technology for the entrepreneur provides students with an broad overview of the requirements necessary to develop a comprehensive technology plan.
Transfer Information: CSU Transferable

# Environmental Horticulture (EH)
## Credit Courses

### EH 101 Plant Identification And Culture (3 Units)
Hours: 90 (36 lecture, 54 lab)
Examines over 200 landscape plants commonly used in southern California, including trees, shrubs, vines and herbaceous plants. Each plant is studied for distinguishing characteristics and care requirements.
Transfer Information: CSU Transferable, UC Transferable

### EH 102 Soils And Plant Nutrients (3 Units)
Hours: 90 (36 lecture, 54 lab)
Covers soils as related to sustainable plant care. Emphasis on soil analysis, problem identification, soil remediation, soil enhancement and the soil food web.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

### EH 103 Irrigation And Garden Waterworks (3 Units)
Hours: 90 (36 lecture, 54 lab)
Introduces the materials and methods used in landscape irrigation system design, maintenance and repair. Simple plan reading, system scheduling, controller use and water conservation practices are emphasized.
Transfer Information: CSU Transferable

### EH 104 Landscape Maintenance (3 Units)
Hours: 90 (36 lecture, 54 lab)
Covers basic sustainable methods of soil care, water efficient irrigation systems, pruning, fertilization, turf management, insect control, and weed control. Personal health and safety emphasized.
Transfer Information: CSU Transferable

**EH 105 Landscape Construction (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduce basic landscape construction equipment, materials and methods, including plan reading, grading, drainage, concrete, masonry, carpentry, electrical and plumbing, C-27 license requirements, business practices and regulations.
Transfer Information: CSU Transferable

**EH 106 Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduces greenhouse/nursery industry practices, including plant propagation methods, greenhouse design and maintenance, and the nursery market.
Transfer Information: CSU Transferable

**EH 109 Permaculture Design (5 Units)**
Hours: 90 (90 lecture)
Application of ecological and environmental principles to designing human systems that are locally sustainable and require reduced inputs. Upon successful completion of course, students will receive worldwide recognized Permaculture Design certification.
Transfer Information: CSU Transferable

**EH 109B Advanced Permaculture Design (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Provides hands-on opportunities to gain skills in permaculture design, while reviewing and adding depth of knowledge to basic permaculture design concepts.
Transfer Information: CSU Transferable

**EH 110 Introduction to Horticulture (3 Units)**
Hours: 54 (54 lecture)
Introduction to central concepts of environmental horticulture. Covers horticultural practices and methods, with focus on long-term sustainability and local ecological issues.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**EH 112 Ecological Restoration I (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Principles and techniques of regional habitat restoration, with an emphasis on the identification, collection, propagation and care of native plants.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**EH 113 Ecological Restoration II (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Review of the concepts, processes, techniques and politics involved in habitat restoration, with a focus on regional habitats, issues and long-term monitoring.
Transfer Information: CSU Transferable, UC Transferable

**EH 126 Landscape Drafting I (3 Units)**
Same as: DRFT 126
Hours: 72 (45 lecture, 27 lab)
Principles of drafting and plan reading for landscape architecture and ornamental horticulture. Style research, drafting of plans, elevations and details.
Transfer Information: CSU Transferable, UC Transferable

**EH 127 Landscape Drafting II (3 Units)**
Same as: DRFT 127
Prerequisites: DRFT 126 or EH 126.
Hours: 72 (45 lecture, 27 lab)
Advanced Drafting and plan reading course using manual and computer drafting tools. For landscape architecture and ornamental horticulture fields. Includes site plans, elevations and details.
Transfer Information: CSU Transferable, UC Transferable

**EH 201 Arboriculture (3 Units)**
Hours: 54 (54 lecture)
Introduction to the care of woody plants, including trees, shrubs, vines and palms. Covers function, structure, taxonomy, anatomy and physiology of woody plants; the effects of soil, water and fertilizer, pruning, safety, planting, early care, and diagnostics of pests and disease.
Transfer Information: CSU Transferable, UC Transferable

**EH 202 Residential Landscape Design (3 Units)**
Hours: 54 (54 lecture)
Foundational course for basic skills in design and implementation of residential landscaping. Theory and practical development of skills and artforms associated with hardscape and softscape elements and plans examined.
Transfer Information: CSU Transferable

**EH 207 Small Scale Food Production (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Explores the natural and sustainable techniques and skills used to produce healthy organic produce. Soil development, composting, mulching, suitable vegetables, fruit trees and herb cultivation covered.
Transfer Information: CSU Transferable

**EH 290 Work Experience In Environmental Horticulture (2-4 Units)**
Prerequisites: Any 100 level EH class.
Hours: 300 (300 lab)
Exploration of elements essential to success in the fields of horticulture, including proper work ethic, job searching and job preparation. Outside of class, students work to earn credit. Time sheets are done monthly, supervisor evaluation is required, and a three-way semester contract is developed between the student, the student's supervisor and the instructor. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**EH 299 Independent Study In Environmental Horticulture (1-4 Units)**
Limitations on Enrollment: Completion of a minimum of 12 units at SBCC, with a 2.5 G.P.A., and a minimum of 6 units, with a 3.0 G.P.A. within the department.
Hours: 192 (192 lab)
For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# Environmental Studies (ENVS)
## Credit Courses

### ENVS 110 Humans And The Biological Environment (3 Units)
Hours: 54 (54 lecture)
Growth and variations in populations of organisms and their interactions with the physical environment. Characteristics of living natural resources and changes caused by expanding human populations and technological developments. Satisfies SBCC General Education requirement in Natural Sciences when combined with ENVS 111. (Required for the Environmental Studies major.)
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

### ENVS 111 Environmental Field Studies (1 Unit)
Corequisites: ENVS 110.
Hours: 54 (54 lab)
Field studies designed to demonstrate general ecological/environmental principles through exposure to and analysis of many different communities and sites of environmental concern.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

### ENVS 112 American Environmental History (3 Units)
Same as: HIST 112
Hours: 54 (54 lecture)
Examines American attitudes and actions toward the environment by Indians and European immigrants, from the colonial period to the present. Analyzes current environmental problems in the context of American development.
SBCC General Education: SBCCGE Area B, SBCCGE Area C
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

### ENVS 115 Environmental Geology (3 Units)
Same as: ERTH 115
Hours: 54 (54 lecture)
Introduction to the problems of volcanism, earthquakes, fire, floods, landslides and other geologic hazards; air and water pollution, hazardous materials and land use planning. Applications to the Santa Barbara area emphasized. Required of all Environmental Studies majors.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

### ENVS 115L Environmental Geology Laboratory (1 Unit)
Same as: ERTH 115L
Corequisites: ENVS 115 or ERTH 115.
Hours: 54 (54 lab)
Laboratory approach to topics covered in ENVST 115, with emphasis on rock and mineral identification, hazard assessment, geologic resource management, and land use planning. In-lab field trips.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

### ENVS 116 Energy and Natural Resources (3 Units)
Same as: ERTH 116
Hours: 54 (54 lecture)
Study of formation, exploration, development and judicious use of natural resources in relation to present and future energy requirements, including electricity, conservation, fossil fuels, solar, geothermal, nuclear and hydrogen. Required of Environmental Studies majors.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

### ENVS 200 Projects In Sustainability (2 Units)
Hours: 36 (36 lecture)
Students work in groups to develop projects that make the college and local community more sustainable. Lectures, discussions and workshops provide the student with current knowledge in environmental science, sustainable practices, and real-world skills needed to implement practical solutions to local environmental and social problems.
Transfer Information: CSU Transferable

### ENVS 295 Internship in Environmental Studies (2-4 Units)
Hours: 273 (273 lab)
Student must have completed 12 units at SBCC, with a GPA of 2.5 and a minimum of 2 units in Environmental Studies. Structured internship program in which students gain experience with work on campus or in the community, related to Environmental Studies.
Transfer Information: CSU Transferable

# Film and Media Studies (FS)

Credit Courses

### FS 101 Introduction to Film Studies (3 Units)
Hours: 72 (45 lecture, 27 lab)
Introduction to one of the most powerful cultural and artistic mediums of our time: cinema. Focuses on the aesthetics, history, literature and creative techniques, as well as the depiction of social cultures, history and values in film. Lectures, discussions and reading are supplemented by the screening of representative films.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, CSU Transferable, UC Transferable

### FS 101H Introduction to Film Studies, Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Hours: 90 (63 lecture, 27 lab)
Focuses on film aesthetics, history, literature and creative techniques, as well as a depiction of social cultures, history and values in film. Includes an in-depth examination of major directors and important film movements. Lectures, discussions and readings are supplemented by the screening of representative films.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, CSU Transferable, UC Transferable

**FS 103 Film Noir (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Introduction to the stylized aesthetics, intricate narratives, and ambivalent themes of films that constitute the classic film noir era, as well as the contemporary American and international neo-noir period. The diverse literary and cinematic influences are assessed, and the films are examined within the context of film history, politics, popular culture, gender, sexuality, class, and race. Covers significant directors, producers, writers, actors, and studios. Lectures, discussions, and readings are supplemented by the screening and critical analysis of representative films.
Transfer Information: CSU Transferable

**FS 104 American Film to 1960's (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of the development, history and aesthetics of the Hollywood studio system, as well as its impact on our culture. Study of classic films as forms of popular entertainment and cinematic art, including various Hollywood genres and their independent counterparts. Lectures, discussions and readings are supplemented by the screening and critical analysis of representative films.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**FS 105 Introduction to Television Studies (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Introduction to the basic concepts, forms, practices and policies that have guided the evolution and operation of television in the United States. Examines developments in programming, industrial and institutional structure, regulation, audiences, technological innovation and cultural significance of television. Lectures, discussions and readings are supplemented by the screening and critical analysis of representative programs.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 107 Contemporary American Film (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of the changes to the Hollywood studio system, alternative productions, and independent film since the 1960s. Covers such topics as the decline of the studio system, the rise of American New Wave cinema, the history of the blockbuster, the parallel histories of independent and underground film, and the presence of media conglomerates.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**FS 108A Film Festival Studies (2 Units)**
Hours: 54 (27 lecture, 27 lab)
Introduction to film festivals through U.S. and international fiction, experimental and documentary films. Focuses on the role of festivals in the film marketplace, emergence of new filmmakers, national cinemas and the practice of writing film criticism. Film screenings supplemented by lectures, discussions, readings and panel discussions. Contact department for information.
Transfer Information: CSU Transferable, UC Transferable

**FS 108B Film Festival Studies (1.5 Unit)**
Hours: 45 (18 lecture, 27 lab)
Short course that introduces students to film festivals through U.S. and international fiction, experimental, and documentary films. Focuses on the role of festivals in representing diverse voices and emerging new filmmakers and national cinemas. Emphasis on representation of class, race, gender, sexuality, differently abled. Film screenings are supplemented by lectures, discussions, readings and panel discussions. Contact department for information.
Transfer Information: CSU Transferable, UC Transferable

**FS 109 Film and Cultural Criticism (3 Units)**
Hours: 72 (45 lecture, 27 lab)
A study of the basic formal dimensions of cinema through the close analyses of individual films and the representation of culture focusing on gender, sexuality, race, ethnicity, class, and disability. The course focuses on close readings of films and on developing a strong film writing approach. Lectures, discussions, and readings will be supplemented by the screening and critical analysis of representative films.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**FS 110 World Cinema to 1960's (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of international film history, theory and aesthetics, from the invention of cinema in the 1890s through the 1950s. Includes fictional narrative film, documentary and avant-garde film of the period. Organized around the history and development of formal devices such as the shot, montage, mise-en-scene, sound design, color technology, and classical narrative form.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 111 Contemporary World Cinema (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of international film history, theory and aesthetics, from 1960 to the present. The film medium is addressed as a technology, a business, an art form and as a medium that both reflects and creates popular culture.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 112A French Film (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of French film history, from the invention of cinema in the 1890s to the present, focusing on changes in narrative and documentary films, as well as experimental movements. Covers significant movements, periods, genres, influences, as well as major directors. Lectures, discussions and readings are supplemented by the screening and critical analysis of representative films.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**FS 112B Art Cinema (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of Art Cinema, beginning in the 1940s, continuing into its heyday in the 1960s, and developing into the contemporary era. Focuses on changes in narrative and cinematic styles, film auteurs, and cultural influences as well as film industries. Lectures, discussions and readings are supplemented by the screening and critical analysis of representative films.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 112C Spanish and Latin American Film (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of Spanish and Latin American film histories from the invention of cinema in the 1890s to the present, focusing on changes in narrative and documentary films, as well as experimental movements. Covers significant movements, periods, genres, influences, as well as major directors. Lectures, discussions and readings are supplemented by the screening and critical analysis of representative films.
SBCC General Education: SBCCGE Area E5
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 113 Experimental Film (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Introduction to the development, history, theory and aesthetics of avant-garde, experimental and non-narrative cinema. Study of significant works, figures and movements related to these non-traditional cinematic forms. Examines representative examples of non-narrative films and explores their function as a counterweight to the more dominant forms of narrative and documentary.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**FS 114 History of Animation (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Overview and study of the history of animation films, from its prehistory in the late nineteenth century to current and emerging digital animation technologies. Lectures, discussions and readings are supplemented by the screening and critical analysis of representative films.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 115 The Vietnam War in Film (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of how America's longest and most controversial military conflict has been portrayed cinematically, and how films about the Vietnam War fit within the context of American cinema. Focuses on the diverse perspectives filmmakers have brought to cinematic explorations of the war, as well as on the technical, narrative and aesthetic techniques they have employed.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 116 Gender and Sexuality in Film (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Survey of gender and sexuality in film, including formation of stereotypes and social messages as reflections of the ages in which they were conceived. Film theory introduced, as well as examination of female directors, their work and contributions to the canon. Covers cinematic representations of masculinity, femininity and alternative sexuality, from early cinema to present.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 118 Film Genres (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Genre study of the components of film as art and social expression. Investigates the origins, evolution and transformations of various film genres, including film noir, the Western, science-fiction, musical, horror, war, or crime film. Covers the thematic conventions of each genre and the genre as a reflection of the social environments that produced them.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 119 Film Comedy (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Survey of significant American and international comedic films and how they have helped to advance and define the art of cinema. Landmark comedies, featuring major directors and comic actors, analyzed in terms of theme, structure and cinematic technique. Cultural relevance of comedies in mirroring and satirizing historical and social trends are explored in depth.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 120 Visionary Filmmakers (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Study of diverse filmmakers and how their work has advanced and defined the art of cinema. Landmark films by celebrated filmmakers of all genders and races, both international and domestic, are analyzed in terms of theme, structure, and cinematic technique. Emphasis is placed on the role of the auteur and to directorial contributions specific to film genres.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**FS 121 Documentary Film (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Introduction to the history and theory of documentary film. Traces the changing conceptions of "reality" by various international filmmakers and writers. Through the stylistic study of classical and less conventional films, the aim is to problematize notions of objectivity, truth, and knowledge and to place the films within a historical, cultural, and political context.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**FS 122 Gaming and Visual Culture (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Comprehensive critical study of the impact of game design and game aesthetics on popular culture focusing on the history and evolution of game technologies, formats, and genres through theoretical readings. Students will learn how games circulate in our wider visual culture and interact with other art forms, most notably cinema. Consideration will be given to analyzing the fundamentals of game aesthetics, production, design, promotion, and distribution and how the elements of the production process produce certain types of game audiences with analysis of how video games reflect the beliefs, aspirations, and values of the cultures where they flourish. Lectures, discussions and readings are supplemented by the screening and critical and theoretical analysis of representative games. For each historical era studied, the influence of video games on popular culture will be demonstrated through film, television, print, and music.
SBCC General Education: SBCCGE Area C
Transfer Information: CSU Transferable, UC Transferable

**FS 173 Screenwriting I (3 Units)**
Same as: ENG 173
Prerequisites: English 070 and English 098 or by placement exam.
Hours: 72 (45 lecture, 27 lab)
Study of the elements of dramatic writing for the cinema: the three-act structure, character delineation and motivation, conflict development and pacing, dialogue and subtext, and unifying the message. Analysis of feature film screenplays for their structure, pacing and characterization; writes scenes in correct format; and completes a treatment for a feature film or television.
Transfer Information: CSU Transferable, UC Transferable

**FS 174 Screenwriting II (3 Units)**
Prerequisites: FS 173 or ENG 173.
Hours: 72 (45 lecture, 27 lab)
Study of the structure, development, pacing and revising of a completed screenplay. In addition to analyzing feature film and television screenplays, the student completes a screenplay, learns how to research a story, how to pitch a story, and how to market a script.
Transfer Information: CSU Transferable, UC Transferable

**FS 179 Screenwriting III (3 Units)**
Prerequisites: FS 174.
Hours: 72 (45 lecture, 27 lab)
Advanced study of the structure, development, pacing, and revision of a completed screenplay. In addition to analyzing feature film and television screenplays, the student completes a final draft of a screenplay in a workshop setting, learns how to edit and revise it, how to pitch it and how to market it.
Transfer Information: CSU Transferable, UC Transferable

**FS 295 Internship in Film and Media Studies (2-4 Units)**
Limitations on Enrollment: Completion of two courses (in applicable discipline) at SBCC prior to enrolling in an internship course.
Course Advisories: FS 101.
Hours: 216 (216 lab)
Structured internship program in which students gain experience with community organizations related to the discipline.
Transfer Information: CSU Transferable

**FS 299 Independent Study-Film and Media Studies (1-4 Units)**
Limitations on Enrollment: To be eligible for independent study, a student must have completed a minimum of 12 units at the District, with a 2.5 GPA, and a minimum of four units, with a 3.0 GPA within the department.
Course Advisories: FS 101.
Hours: 192 (192 lab)
Advanced study of film and related fields under the direction and supervision of the Film Studies Department faculty.
Transfer Information: CSU Transferable

# Film and Television Production (FP)
## Credit Courses

**FP 102 Writing for Television (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to fundamentals of writing for television and the short form, including elements of story, character and dialog, pitching and formatting. Examples of successful television scripts will be analyzed, and students will produce a short teleplay.
Transfer Information: CSU Transferable

**FP 111 Independent Producing for Motion Pictures (3 Units)**
Course Advisories: FP 175.
Hours: 54 (54 lecture)
Introductory course identifying the tools and skills necessary for producing independent motion pictures. Analysis of professional development, production methods, current financing options, and distribution strategies will be considered in developing a producing practice.
Transfer Information: CSU Transferable

**FP 114 Non-Linear Editing I (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Overview of desktop non-linear video editing, including acquiring digital video and combining and editing source material to create complete digital movies. Topics include basic editing techniques, adding and altering audio, titling, and outputting a finished digital file.
Transfer Information: CSU Transferable

**FP 160 Television Studio Production (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to fundamentals of television studio production, including producing, directing, scriptwriting, performing, production crewing, studio lighting, production design and post-production. Through basic studio exercises and productions, students become familiar with the tools of the medium and the processes involved in the creation of television programming.
Transfer Information: CSU Transferable

**FP 165 Television Field Production (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Work in television field production, including producing, directing, scriptwriting, performing, production crewing, field lighting, production design and post-production. Through basic field exercises and productions, students become familiar with the tools of the medium and the protocols and processes involved in the creation of television programming on location.
Transfer Information: CSU Transferable

**FP 170 Cinematography I (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to video camera operation and lighting, covering technical and aesthetic issues of studio and location shooting. Technical issues include digital and analog video cameras, lenses and tape formats, lighting and grip equipment. Aesthetic topics focus on using composition, color, light and shadow to create an appropriate look and feel for a scene.
Transfer Information: CSU Transferable, UC Transferable

**FP 175 Film and Video Production I (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to the film and video production process, including scripting, story-boarding, pre-production planning, budgeting, casting, shooting, lighting, sound and editing in both studio and location settings. Students write, produce, direct and edit a personal project and participate in group assignments and projects.
Transfer Information: CSU Transferable, UC Transferable

**FP 178 Documentary Filmmaking (3 Units)**
Course Advisories: FP 175.
Hours: 90 (36 lecture, 54 lab)
Develop storytelling and video production skills through nonfiction filmmaking. Focusing on structure, technique, technical skills and the creative process, students explore documentary history, learn the tools, and push beyond the limits of time and resources. Refine your ability to reach an audience and meet your objectives. Students produce a number of short films.
Transfer Information: CSU Transferable

**FP 181 Production Sound for Film and Television (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Focuses on the techniques, processes, and equipment of production sound including location and studio recording. Covers dialogue, atmosphere, room tone, Foley, ADR, voice over, sound effects, and the synchronization, recording and editing of digital audio to picture.
Transfer Information: CSU Transferable

**FP 182 Podcasting I - Intro to Podcasting (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to the fundamental processes of podcasting and radio production, including the producing, scripting, performing, recording, editing and marketing of podcasts. Through exercises and podcast productions, students will learn the aesthetic and technical skills to produce both audio and video content formatted for and distributed via internet platforms.
Transfer Information: CSU Transferable

**FP 185 Directing For The Camera (3 Units)**
Prerequisites: FP 175.
Hours: 90 (36 lecture, 54 lab)
Introduction to directing for the camera, including principles of drama, conceptualization of visuals, storyboarding, shot breakdowns, auditioning the actor, staging actors, improvisation, staging the camera, art direction, lighting and sound strategies. Also covers blocking, shot execution, development of a signature directorial style, and on-set procedures and protocols.
Transfer Information: CSU Transferable, UC Transferable

**FP 201 Narrative in Film (3 Units)**
Hours: 54 (54 lecture)
Exploration of the theory, art, and craft of both fiction and non-fiction storytelling in film, video and time-based media. Theoretical and practical issues of creating effective narratives will be examined. Students begin to identify and develop their personal voice.
Transfer Information: CSU Transferable, UC Transferable

**FP 207 Color Correction for Film (3 Units)**
Corequisites: Prior or concurrent enrollment in FP 114.
Hours: 90 (36 lecture, 54 lab)
Fundamentals of digital color correction for moving and still imagery to enhance mood, continuity and story. Appropriate for editors, motion graphic artists and cinematographers. Covers color theory and primary/secondary correction in a variety of software. Current industry trends and styles discussed.
Transfer Information: CSU Transferable

**FP 214 Non-Linear Editing II (3 Units)**
Prerequisites: FP 114.
Hours: 90 (36 lecture, 54 lab)
Advanced studies in concepts and techniques of desktop non-linear editing, including both technical and aesthetic issues. Large-project management, creating EDLs and client-based editing are covered. Collaborational aspect of editing and how it fits into the production work flow is emphasized. Current trends and styles in editing are discussed.
Transfer Information: CSU Transferable

**FP 240 The Business of Entertainment (3 Units)**
Same as: BUS 240
Hours: 54 (54 lecture)
Study of the Entertainment business focusing on the management and marketing of an Entertainment product in TV, film, music, theater and digital media with an emphasis on practical deal-making and negotiation skills.
Transfer Information: CSU Transferable

**FP 270 Cinematography II (3 Units)**
Prerequisites: FP 170.
Hours: 90 (36 lecture, 54 lab)
Advanced concepts and techniques in digital video shooting, lighting and visual story-telling for both in-studio and location productions. Special emphasis is given to appropriate lighting for various genres.
Transfer Information: CSU Transferable

**FP 274 Production II: Webseries Production (3 Units)**
Hours: 90 (36 lecture, 54 lab)
An introduction to the online world of web series development, from developing ideas to budgeting, scheduling, prepping, producing and delivering a pilot. Students work collaboratively to produce one episode, along with a budget and plan for the full series, whether it be comedy or drama.
Transfer Information: CSU Transferable, UC Transferable

**FP 275 Production II: Narrative Filmmaking (3 Units)**
Prerequisites: FP 175.
Hours: 90 (36 lecture, 54 lab)
Advanced concepts and production skills specific to narrative filmmaking, including scripting, story boarding, pre-production planning, budgeting, casting, shooting, lighting, sound and editing. Students write, produce, direct and edit a personal narrative project and participate in a group narrative project. Current trends and styles in production are discussed.
Transfer Information: CSU Transferable, UC Transferable

**FP 276 Production II: Commercial Applications (3 Units)**
Prerequisites: FP 175.
Hours: 90 (36 lecture, 54 lab)
Advanced concepts and production skills specific to creating music videos, commercials and corporate/industrial video, from conceptualization through post-production. Protocols, history, conventions and trends in each area are discussed. Students work collaboratively to conceive, develop and produce three representative projects.
Transfer Information: CSU Transferable

**FP 278 Production II: Documentary Filmmaking (3 Units)**
Corequisites: FP 175.
Hours: 90 (36 lecture, 54 lab)
Prerequisites or Advanced concepts and production skills specific to documentary filmmaking. Includes selected national and international documentary screenings and discussions along with practical exercises, from conceptualization through post-production, that culminate in the production of a short documentary.
Transfer Information: CSU Transferable

**FP 279 Motion Graphics and Compositing (3 Units)**
Corequisites: FP 114 or MAT 131.
Hours: 90 (36 lecture, 54 lab)
Prerequisite or Motion graphics, compositing and 2D animation theory and practice for film and video applications, including both technical and aesthetic issues. Current industry trends and styles are examined.
Transfer Information: CSU Transferable

**FP 281 Post-Production Sound for Film and Television (3 Units)**
Course Advisories: FP 181.
Hours: 90 (36 lecture, 54 lab)
Focuses on the creative development of sound elements for post-production in film and television, such as ADR, Foley, sound effect recording/design, music editing, dialogue editing, and the final mixing and mastering process. Includes techniques in field recording, studio recording, and sound design for film and television.
Transfer Information: CSU Transferable, UC Transferable

**FP 284 Transmedia Production (3 Units)**
Prerequisites: FP 114 and FP 175.
Course Advisories: FP 214, FP 275, GDP 212, GDP 215, MAT 145 and MAT 153.
Hours: 90 (36 lecture, 54 lab)
In this multi-disciplinary capstone course, student teams are tasked with producing a real-world transmedia project. Collaborating with, and learning from, the various disciplines represented, each team works toward producing a short film, while concurrently developing complementary transmedia elements including a website, a blog, a mobile app, and campaigns in traditional and social media.
Transfer Information: CSU Transferable

**FP 285 Directing For The Camera II (3 Units)**
Prerequisites: FP 185/TA 185.
Hours: 90 (36 lecture, 54 lab)
Advanced directing for the camera, covering technical and aesthetic facets of the director's art. Focuses on issues and techniques in the operation of digital motion picture cameras, lighting and sound equipment, conceptualization of visuals, auditioning and staging actors, and development of a signature directorial style.
Transfer Information: CSU Transferable

**FP 294 Film Production Capstone (6 Units)**
Prerequisites: FP 275 and FP 201 or FP 207 or FP 214 or FP 270 or FP 279 or FP 281 or FP 285.
Hours: 180 (72 lecture, 108 lab)
A capstone course for Film Production students nearing the completion of their program. A festival-ready short film is produced by the students with crew roles assigned based on individual skills and goals. Emphasis is placed on creating a highly polished short film, requiring full commitment from all participants in a professional environment.
Transfer Information: CSU Transferable

# Finance (FIN)
## Credit Courses

**FIN 100 Personal Finance (3 Units)**
Prerequisites: MATH 095 or Equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 54 (54 lecture)
Thorough introduction to all areas of personal financial planning, including financial goal-setting, budgeting, consumer credit, taxes, insurance, investing, housing, retirement and estate planning. Emphasis on planning and budgeting to satisfy immediate needs and achieve long-term goals.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, CSU Transferable, UC Transferable

**FIN 101 Introduction To Finance And Banking (3 Units)**
Hours: 54 (54 lecture)
Central concepts of finance are developed: money and economic activity, interest rates and valuation, securities and investments, bank regulation and management. Professionals discuss commercial and real estate loans, loan administration, the cashier's office and trusts.
Transfer Information: CSU Transferable

**FIN 107 Financial Basics (1 Unit)**
Hours: 18 (18 lecture)
Practical money management for students living independently. Topics include career guidance, college financing, budgeting, money, bank accounts, credit cards and debt management.

**FIN 201 Investing: Securities Analysis (3 Units)**
Hours: 54 (54 lecture)
Techniques and concepts of investing including the economic function of financial markets, investment risk and return, bonds and portfolio management, equity investing and fundamental analysis.
Transfer Information: CSU Transferable, UC Transferable

**FIN 202 Managerial Finance (3 Units)**
Hours: 54 (54 lecture)
Designed to equip the student with the specific techniques of business financial management. Topics include anticipation of cash needs, acquisition of financial resources, and allocation of cash in the company. Financial statement analysis, financing business activity, capital budgeting, and working capital management are emphasized.
Transfer Information: CSU Transferable, UC Transferable

**FIN 203 Management Of Financial Institutions (3 Units)**
Hours: 54 (54 lecture)
Analysis of the crucial issues of bank management: asset and liability management, liquidity planning, investment strategies, credit administration, and bank regulation.
Transfer Information: CSU Transferable

**FIN 204 Real Estate Investment (3 Units)**
Hours: 54 (54 lecture)
Thorough development of the principles and practices of real estate investment. Special topics include financial analysis, commercial leases, property exchange, taxation and depreciation.
Transfer Information: CSU Transferable

**FIN 211 Skills in Trade Finance (3 Units)**
Hours: 54 (54 lecture)
Acquaints the student with the process of international trade finance and the core skills needed to participate in various trade finance situations. The emphasis is on practical information regarding risk management, transactions structure, and finance. Includes presentations, class exercises and field trips.
Transfer Information: CSU Transferable

**FIN 221 Finance for Marketing Budgets (3 Units)**
Hours: 54 (54 lecture)
Explores financial processes which professional marketers must know when engaging in the creation or review of financial statement reports and budgets. Non-profit or profit organizations will require those in marketing to understand marketing R.O.I. for budgeting purposes. Cash flow and crowdsourcing issues related to finance by marketers is addressed.
Transfer Information: CSU Transferable

**FIN 290 Work Experience In Finance (1-4 Units)**
Hours: 300 (300 lab)
75 hours of work experience = 1 unit of credit or 60 hours of non- paid= 1 unit. Consists of supervised employment for students whose career objectives, course of study and employment complement each other. Students must accomplish specific course objectives. Class meetings on campus are scheduled each semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# French (FR)
## Credit Courses

**FR 101 Beginning French I (5 Units)**
Hours: 90 (90 lecture)
Focuses on the essentials of spoken and written French for the beginner, and provides an introduction to the culture of French speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**FR 102 Beginning French II (5 Units)**
Prerequisites: FR 101 or two years of high school French, with a minimum grade of "C," or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Focuses on the essentials of spoken and written French for the beginner, and provides an introduction to the culture of French speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**FR 103 Intermediate French I (5 Units)**
Prerequisites: FR 102 or three years of high school French or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Review of basic structures and vocabulary building. Development of auditive comprehension, reading skills and oral expression.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**FR 104 Intermediate French II (5 Units)**
Prerequisites: French 103 or four years of high school French or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Readings and discussions in French and contemporary cultural topics (society, history, art, cinema, literature). Review of basic syntax begun in French 103 is continued. Further practice in the subjunctive and literary verb tenses.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**FR 130 Intermediate Conversation (2 Units)**
Prerequisites: FR 102 or 120 or three years of high school French or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Designed to increase the student's vocabulary and fluency in the language, as well as his/her ability to comprehend cultural and sociolinguistic differences.
Transfer Information: CSU Transferable, UC Transferable

**FR 132 Intermediate Literary Readings (3 Units)**
Prerequisites: FR 103 or four years of high school French or qualifying score on SBCC SoML placement exam.
Hours: 54 (54 lecture)
Designed for the student who wishes to improve reading, speaking and writing skills, and vocabulary. Emphasizes oral and written communication with a focus on the discussion, synthesis and analysis of short literary works.
Transfer Information: CSUGE Area C2, CSU Transferable, UC Transferable

**FR 140 Intermediate Conversation (2 Units)**
Prerequisites: FR 103 or 130 or four years of high school French or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Designed to increase the student's vocabulary and fluency in the language, as well as his/her ability to comprehend cultural and sociolinguistic differences.
Transfer Information: CSU Transferable, UC Transferable

# Geography (GEOG)
## Credit Courses

**GEOG 101 Physical Geography (3 Units)**
Same as: ERTH 141
Hours: 54 (54 lecture)
A spatial study of Earth's dynamic physical systems and processes. Interrelationships between the basic elements of the physical and human environments are examined, including geology (plate tectonics; volcanoes and earthquakes), geomorphology (formation and modification of landforms; river, coastal, and glacial processes), meteorology (Earth's atmosphere; weather and climate), and hydrology (water on Earth).
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**GEOG 101L Physical Geography Laboratory (1 Unit)**
Same as: ERTH 141L
Corequisites: GEOG 101/ERTH 141.
Hours: 54 (54 lab)
Laboratory approach to a combination of earth science disciplines, including cartography, geology, geomorphology, meteorology and oceanography. Remote sensing techniques are utilized in 75% of laboratory activities.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**GEOG 102 Human Geography (3 Units)**
Hours: 54 (54 lecture)
An interpretation of the cultural elements of the geographic landscape and the study of human's changing relationship with the environment. Investigates culture and human processes as seen in global patterns of population and migration patterns, language, religion, political and economic systems, urbanization, and human impact on the physical world.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable

**GEOG 104 World Regional Geography (3 Units)**
Hours: 54 (54 lecture)
A global survey of cultural regions, people and environments. Geographic methodologies are employed to evaluate people, resources, landscapes, livelihoods and economies across eleven major geographic regions. The gap between developed and undeveloped economies, global roles and interconnections of countries and regions, and conflicting pressures between cultural diversity and globalization are analyzed.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable

**GEOG 105 Economic Geography (3 Units)**
Same as: ERTH 142
Hours: 54 (54 lecture)
Explores the impact humans have on their environment and on each other through resource exploitation and economic activity. Investigates the development and global impact of diverse geographies, the effect of place on economic sectors, and the role of place in strengthening or weakening economies. Also addresses regional patterns of principal economic activities of the world, with an emphasis on economic development, urbanization, transportation and the environment.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D2, CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable

**GEOG 106 Geography Of California (3 Units)**
Hours: 54 (54 lecture)
A non-technical survey of the wide variety of natural and human environments found in California. Includes a regional study of physical landscapes, economic activities, characteristics of population, cities and rural areas, and current environmental problems. California's interaction with other parts of the U.S. and world is also covered.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable

**GEOG 107 Geography of The Middle East/North Africa and Southwest Asia (3 Units)**
Hours: 54 (54 lecture)
This course explores the strategic location of the region, significance in world history, origins and development of culture, the impact of water and petroleum on the region, and the evolving geopolitics. This course attempts to explain, describe, and identify some of the pressing issues in the region through the lens of spatial relationships and locational significance.
Transfer Information: CSU Transferable

**GEOG 123 Geography field studies- Death Valley (2 Units)**
Corequisites: GEOG 101 or GEOG 106 or GEOG 152 or ERTH 111 or ERTH 111H or ERTH 112 or ERTH 114 or ERTH 115 or ERTH 141 or ERTH 152 or ERTH 151 or BOT 100 BOT 121 or ENVS 115.
Hours: 75 (21 lecture, 54 lab)
Prerequisite or A five-day Geography field study course in the Death Valley region. The course will assess, examine, and interpret the geography of the region. Topics include examination of the following in the Death Valley: climate, weather, tectonic processes, biogeography and human interaction with the region. A fee is required. See the Earth and Planetary Sciences department for details.
Transfer Information: CSU Transferable

**GEOG 152 Weather and Climate (3 Units)**
Same as: ERTH 152
Hours: 54 (54 lecture)
Fundamentals of meteorology, including the nature of the atmosphere, solar radiation and energy balances, circulation of the atmosphere, air masses and fronts, atmospheric moisture, clouds and fog, precipitation, cyclones, weather analysis and forecasting, climate, and climate change.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**GEOG 152L Weather and Climate Laboratory (1 Unit)**
Same as: ERTH 152L
Corequisites: GEOG 152 or ERTH 152.
Hours: 54 (54 lab)
Laboratory approach to topics covered in the Weather and Climate lecture (ERTH 152/GEOG 152). Exercises introduce fundamentals of meteorology, including the nature of the atmosphere, circulation of the atmosphere, air temperature and humidity, and weather analysis and forecasting. Students collect and analyze a variety of environmental data.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**GEOG 171 Introduction To Geographic Information Systems And Maps (2 Units)**
Same as: ERTH 171
Corequisites: GEOG 172 or ERTH 172.
Hours: 36 (36 lecture)
Techniques, tools and theories used to examine geographic information. Includes the structure, uses, and basic operations of a Geographic Information System (GIS). Cartography and cartographic design are incorporated, as well as overviews of aerial photography, remote sensing, and global positioning systems. Includes uses of GIS software in business, urban planning, resource management and scientific research.
Transfer Information: CSU Transferable, UC Transferable

**GEOG 172 Geographic Information Systems: Software Applications (2 Units)**
Same as: ERTH 172
Corequisites: GEOG 171 or ERTH 171.
Hours: 54 (27 lecture, 27 lab)
Extensive practice with a GIS package, accompanied by exploration of the range of applications in which GIS is used (resource management, public works, business, planning, scientific research). Covers key skills for operating GIS software packages, including geographical data acquisition, creation, management, analysis and output.
Transfer Information: CSU Transferable, UC Transferable

**GEOG 299 Independent Study In Geography (1-3 Units)**
Limitations on Enrollment: Completion of a minimum of 12 units at SBCC, with a 2.5 G.P.A., and a minimum of 6 units, with a 3.0 G.P.A. within the department Student works under guidance and direction of sponsoring faculty member on project consistent with interests and abilities.
Hours: 144 (144 lab)
Minimal weekly meetings required. May be taken for one to three (3) units of credit; each unit of credit requires student to devote approximately three (3) hours per week to his/her project. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# German (GER)
## Credit Courses

**GER 101 Beginning German I (5 Units)**
Hours: 90 (90 lecture)
Fundamentals of grammar, pronunciation, orthography and conversation.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**GER 102 Beginning German II (5 Units)**
Prerequisites: GER 101 or two years of high school German or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Fundamentals of grammar, pronunciation, orthography and conversation.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**GER 103 Intermediate German I (5 Units)**
Prerequisites: GER 102 or three years of high school German or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Review of basic structures, with emphasis on comprehension and vocabulary building.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**GER 104 Intermediate German II (5 Units)**
Prerequisites: GER 103 or four years of high school German or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Emphasis on listening, speaking, reading and writing skills. Review of grammatical structures, vocabulary building through readings, research and discussion of cultural topics. Continuation of German 103.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**GER 134 Intermediate Business German (3 Units)**
Prerequisites: GER 102 or 3 years of High School German or qualifying score on the SBCC SoML placement exam.
Hours: 54 (54 lecture)
Introduction to high-frequency vocabulary used in business transactions and settings in German-speaking countries. Designed to prepare students to successfully handle business-related situations in German. Promotes the understanding of German corporate culture as reflected on application processes and interviews, emails, phone conversations, business meetings and business travel.
Transfer Information: CSU Transferable

**GER 140 Intermediate Conversation (2 Units)**
Prerequisites: GER 103 or 130 or four years of high school German or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Skills of conversation, via topic-oriented expanded vocabulary at the intermediate level.
Transfer Information: CSU Transferable, UC Transferable

# Global Studies (GLST)
## Credit Courses

**GLST 101 Introduction to Global Studies (3 Units)**
Hours: 54 (54 lecture)
Introduction to the interdisciplinary field of global studies. Examines the history of globalization, including the role of communication technology, and analyzes various aspects of globalization: economic, political, cultural and ecological. For each, the focus is on the extent of global cooperation, global conflict and growing global interdependence.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

### GLST 102 Global Problems (3 Units)
Hours: 54 (54 lecture)
Examines a number of specific problems that the global community faces today, such as global economic inequality and poverty, human rights violations and the status of women, global crime, environmental problems, and global health. Possible approaches for solving these issues are explored, with a focus on global governance.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

### GLST 103 Introduction to Global Studies: Discussion (1 Unit)
Corequisites: GLST 101.
Hours: 18 (18 lecture)
Weekly discussion section for students enrolled in GLST 101. Discussion of lecture topics, readings and contemporary events. Development of skills related to the writing of a term paper.
Transfer Information: CSU Transferable, UC Transferable

### GLST 105 Global Environmental Politics (3 Units)
Hours: 54 (54 lecture)
Focuses on today's global environmental problems and the policies that address them. Begins with an overview of the state of the global environment, examining major issues such as the loss of biodiversity, the global climate crisis, deforestation, and the pollution of air, water and soil. Considers behavioral and cultural perspectives, such as individuals' and societies' attitudes toward the environment and how these have evolved during the time of the environmental movement. Examines the respective role and policy powers of global, regional and domestic institutions that participate in environmental governance. Explores specific examples of successes and challenges of environmental protection.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D, CSUGE Area F, IGETC Area 4, CSU Transferable, UC Transferable

### GLST 295 Internship In Global Studies (2-4 Units)
Limitations on Enrollment: Completion of two courses (in applicable discipline) prior to enrolling in an Internship course.
Hours: 216 (216 lab)
Internship program in which students gain experience in community organizations related to the discipline.
Transfer Information: CSU Transferable

### GLST 299 Independent Study In Global Studies (1-4 Units)
Limitations on Enrollment: Complete 12 units at SBCC with a GPA of 2.5 and a minimum of 6 units with a GPA of 3.0 in Global Studies.
Hours: 192 (192 lab)
Independent study course providing an opportunity for students to explore a specific Global Studies topic in depth, while working closely with their Professor.
Transfer Information: CSU Transferable

# Graphic Design and Photography (GDP)
## Credit Courses

### GDP 110 Media Design (3 Units)
Hours: 90 (36 lecture, 54 lab)
Recommended starting point for students interested in careers in graphic design and media arts. An introductory course in design and composition as it relates to the digital arena. Students learn elements of design such as line, shape, color, and texture, as well as principles of design such as balance, repetition, and unity and apply them to designs and illustrations created with digital tools and industry-standard software programs. Provides a strong introduction to composition and conceptualization in design for print and electronic output.
Transfer Information: CSU Transferable, UC Transferable

### GDP 111 Introduction to Graphic Design (3 Units)
Hours: 90 (36 lecture, 54 lab)
Starting point for those studying Graphic Design. Students are introduced to industry software applications to create basic page layouts. Topics include overview of the commercial print industry, image preparation, basic layout design and typography principles, color modes and file preparation for print. Student assignments encompass both design creativity and technical skills. Recommended to take concurrent with GDP110 Media Design.
Transfer Information: CSU Transferable, UC Transferable

### GDP 112 Digital Literacy for Media Artists and Designers (3 Units)
Hours: 90 (36 lecture, 54 lab)
Introduction to theory, history and practice of interaction design, visualization and software art through current software and introductory programming languages.
Transfer Information: CSU Transferable, UC Transferable

### GDP 113 Typography (3 Units)
Hours: 90 (36 lecture, 54 lab)
Develops the student's understanding of the effective use of type. Emphasis is on the use of typography in graphic design. Topics include the history of type, aesthetic qualities of letter forms, anatomy of the letter, typefaces and style and compositional arrangement. Best if taken after, or in conjunction with GDP111.
Transfer Information: CSU Transferable, UC Transferable

### GDP 114 Intermediate Graphic Design (3 Units)
Course Advisories: GDP 110 or GDP 111.
Hours: 90 (36 lecture, 54 lab)
Students apply the principles of design and visual communication to a variety of print-related and electronic projects. Students add to their understanding of the design software applications, and advance their critical thinking in regards to design principles and conveying messages visually. Students participate in individual and group critiques, which emphasize the objective and subjective qualities of their work. The design process, concept and content are stressed, using industry-standard software in a state-of-the-art computer lab.
Transfer Information: CSU Transferable, UC Transferable

**GDP 115 Information Visualization (3 Units)**
Prerequisites: GDP 112.
Hours: 90 (36 lecture, 54 lab)
An introductory course that surveys the expanding field of infographics and visualization. Students will gain an understanding of this expanding field and demonstrate how to visualize and present data in clear and meaningful ways. Explorations will include data display methods and technologies, graphical model choices, and industries in which data visualizations are utilized.
Transfer Information: CSU Transferable

**GDP 116 History of Graphic Design (3 Units)**
Hours: 54 (54 lecture)
An introduction to the history of graphic design, including the creative innovators, breakthrough technologies and important historical developments which have defined graphic design throughout the last 150 years.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**GDP 118 Creative Thinking (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Students learn how to develop techniques to enhance their innate creative abilities. Specific problems are presented and students work alone and in groups to work through the exercises and develop original and creative solutions. Creative problem-solving techniques and ideas are explored. Helps students to better develop problem-solving skills with a particular focus on visual art and design. The focus is on creation of original and innovative concepts, and analyzation of how ideas are created. Students use sketchbooks and software programs.
Transfer Information: CSU Transferable, UC Transferable

**GDP 212 Graphic Design II (3 Units)**
Prerequisites: GDP 111.
Course Advisories: GDP 114.
Hours: 90 (36 lecture, 54 lab)
Advanced studies and projects in graphic design. Students explore the creative process in developing ads and promotions for print and other media. Emphasis is on concepts, content and design.
Transfer Information: CSU Transferable, UC Transferable

**GDP 215 Publication Design (3 Units)**
Prerequisites: GDP 111.
Hours: 90 (36 lecture, 54 lab)
Advanced study in design and production for multi-page print and digital publications. Topics include paper choices, pagination, preflight issues, proofing, output options, and publications for web devices. Students design and produce multi-page booklets and publications for mobile devices to be used as portfolio pieces.
Transfer Information: CSU Transferable

**GDP 217 Dynamic Information Visualization (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Continuation of visualization practices towards user interactivity for web, mobile, and other media choices. Areas explored include dynamic and large data sets, embedded sensors and the internet of things.
Transfer Information: CSU Transferable

**GDP 230 Portfolio (3 Units)**
Course Advisories: GDP 212 or GDP 215.
Hours: 90 (36 lecture, 54 lab)
Guides students in developing and refining a body of work that constitutes a portfolio reflecting individual creative and visual communication skills. Assignments include improving current pieces, presenting their work and themselves to prospective employers in a compelling way. Portfolios are essential in transitioning to other institutions or the professional world.
Transfer Information: CSU Transferable

**GDP 290 Work Experience In Graphic Design and Photography (1-4 Units)**
Course Advisories: PHOT 109 or GDP 114.
Hours: 300 (300 lab)
Limitation on enrollment: Must be enrolled in any GDP course. Supervised employment for students whose career objectives, course of study and employment complement each other. Student to carry out assigned duties as an employee; follow employer's policies, rules and regulations; write learning objectives; keep a record of time worked; fill out student data card; and secure employer's evaluation at the end of the semester.
Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Health Education (HE)
## Credit Courses

**HE 101 Personal Health Awareness (3 Units)**
Hours: 54 (54 lecture)
Course designed to identify and find ways in which to deal with a variety of health issues, including mental and emotional health, value systems, drugs and alcohol, fitness and nutrition, sexuality and relationships, death and dying, cardiovascular disease and cancer.
SBCC General Education: SBCCGE Area E3 PE
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**HE 102 Personal Health for Women (3 Units)**
Hours: 54 (54 lecture)
Lecture course designed for both men and women which deals with a variety of health issues, with special emphasis and focus on health factors unique to women. Topics include mental and emotional health, date rape, partner and child abuse, drugs and alcohol, fitness and nutrition, and sexuality and relationships.
SBCC General Education: SBCCGE Area E3 PE
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**HE 103 Responding to Medical Emergencies (3 Units)**
Hours: 54 (54 lecture)
Recommended for all students who have an interest in learning to recognize, assess and provide care for injuries or sudden illness until professional medical help arrives. Emphasizes the importance of a safe, healthy lifestyle and the prevention of injuries. American Red Cross Responding to Emergency and Adult CPR certification possible.
Transfer Information: CSU Transferable, UC Transferable

**HE 104 Introduction to Athletic Injuries (3 Units)**
Course Advisories: BIOL 100 or BMS 100.
Hours: 54 (54 lecture)
Teaches students interested in allied health professions, coaching or personal enhancement the methods of prevention, recognition and care of sports-related injuries through lecture and hands-on experience. Comprehension of injury-causing mechanisms, the resulting pathology, protective taping/wrapping and an awareness of the duties of the athletic trainer are emphasized.
Transfer Information: CSU Transferable, UC Transferable

**HE 108 Advanced Assessment And Treatment Of Athletic Injuries (3 Units)**
Prerequisites: HE 104.
Course Advisories: BMS 107.
Hours: 54 (54 lecture)
Teaches students interested in paramedical professions (pre-med, physical therapy, athletic training) and coaching. Covers proper methods of systematic evaluation and rehabilitative principles/techniques of athletic injuries through lecture and "hands on" laboratory. Comprehension of evaluation skills in scenarios, theory/utilization of modalities, and implementation of rehabilitative techniques for sport injuries is stressed.
Transfer Information: CSU Transferable, UC Transferable

**HE 110 Sports Nutrition (3 Units)**
Hours: 54 (54 lecture)
Examines nutrients and their effects on physical performance. Topics include basic nutrition principles, pre- and post-exercise nutrition, eating for weight control/gain, proper hydration and eating disorders. Also examines the pharmacological, hormonal, physiological and nutritional agents that have purported ergogenic properties.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**HE 201 Introduction to Healthy Aging (3 Units)**
Hours: 54 (54 lecture)
Introductory course of Healthy Aging Resources and Programs Skills Competency Award. Designed to identify and examine the biological, psychological, and social issues associated with the aging process, and reviews aspects of healthy aging among adults.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**HE 213 Concepts in Health and Physical Fitness (3 Units)**
Hours: 54 (54 lecture)
This course examines current health and physical fitness concepts which prevent disease and enhance the quality of life. Emphasis is placed on applying theory to everyday living. Topics covered include personal health profiles, heart disease and risk factor identification, exercise prescription, muscular and cardiovascular fitness, weight management, stress management, posture evaluation and nutritional analysis.
SBCC General Education: SBCCGE Area E3 PE
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**HE 220 Fundamentals Of Exercise Testing And Fitness Instruction (3 Units)**
Hours: 54 (54 lecture)
Designed to teach physical fitness assessment skills and evaluation, exercise program design with appropriate modification for special populations. Students will learn how to teach individual and group exercise sessions.
Transfer Information: CSU Transferable

**HE 290 Work Experience in Healthy Aging (1-4 Units)**
Hours: 240 (240 lab)
Provides students opportunities to work in Evidenced-Based Health Promotion Programs and programs specifically for health promotion for older adults. Work/Internship opportunities for students enrolled in the Healthy Aging programs. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Health Information Technology (HIT) Credit Courses

**HIT 101 Introduction to Health Information Management (3 Units)**
Hours: 54 (54 lecture)
Introduction to the fundamental theories/practices of HIT, including health services organization and delivery; health data/record structure, content/standards; HIT functions/responsibilities; information systems, technologies/requirements; health information privacy/security.
Transfer Information: CSU Transferable

**HIT 102 Legal Aspects Of Health Care (3 Units)**
Corequisites: HIT 101.
Hours: 54 (54 lecture)
Prerequisite or Introduction to legal issues pertaining to healthcare, health information and the health record as a legal document. Patient privacy and confidentiality, patient rights, release of information, informed consents, advance directives, compliance, fraud and abuse, HIPAA and E-Health.
Transfer Information: CSU Transferable

**HIT 135 Basic Medical Terminology (3 Units)**
Hours: 54 (54 lecture)
Introduction to medical terminology for body structure, body systems and diagnostic work. Prefixes, suffixes, word roots and combined word forms. Includes instruction in spelling, definition, and pronunciation.
Transfer Information: CSU Transferable

**HIT 201 Pharmacology For Allied Health (2 Units)**
Prerequisites: BMS 146.
Course Advisories: HIT 135.
Hours: 36 (36 lecture)
Introduction to pharmacology, basic pharmacological terminology and concepts, drug categories and their uses, mechanisms of drug action, dosage forms, routes of administration, and common generic and trade name medications.
Transfer Information: CSU Transferable

**HIT 202 International Classification of Diseases, Diagnostic Coding (2 Units)**
Prerequisites: HIT 135 and BMS 146 and HIT 101 and HIT 204 (HIT 204 may be taken concurrently).
Course Advisories: HIT 201.
Hours: 36 (36 lecture)
Beginning overview of nomenclature and classification systems, with focus on coding inpatient clinical information from medical records. Instruction in coding diagnoses, using International Classification of Diseases, sequencing and coding conventions. Coding software applications introduced.
Transfer Information: CSU Transferable

**HIT 203 International Classification of Diseases, Procedural Coding (3 Units)**
Prerequisites: HIT 135 and BMS 146 and HIT 101 and HIT 204.
Hours: 54 (54 lecture)
Overview, structure and organization of International Classification of Diseases, Procedure Classification System (ICD-10-PCS). Instruction in coding procedures per national coding guidelines. Coding software applications (Encoder) will be used, and coding instruction will entail coding from cases and health records.
Transfer Information: CSU Transferable

**HIT 204 Basic Pathophysiology (3 Units)**
Prerequisites: BMS 146.
Hours: 54 (54 lecture)
Introduction to the fundamentals of pathophysiology, focusing on essential concepts of physiologic changes and altered functions in the human body resulting from disease processes. Principles from A&P and chemistry provide the foundation for the study of pathophysiology, body systems, etiology and pathogenesis. Diagnostic procedures, preventative measures and current therapeutic regimens are explored.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**HIT 205 Advanced Coding Applications (4 Units)**
Prerequisites: HIT 202 and HIT 203 and HIT 210.
Course Advisories: HIT 255.
Hours: 72 (72 lecture)
Advanced medical coding for addressing more complex issues relating to ICD and HCPCS/CPT coding. Lectures and assignments focus on using case studies, graded discussions, written assignments, mock records and applying learning at a higher coding skill level. Computerized encoders and groupers emphasized.
Transfer Information: CSU Transferable

**HIT 210 CPT Procedural Coding (3 Units)**
Prerequisites: HIT 101 and HIT 135 and BMS 146.
Hours: 54 (54 lecture)
Beginning HCPCS/CPT coding class for ambulatory services coding related to facility and professional services, with overview of coding conventions, principles, regulatory guidance and coding software.
Transfer Information: CSU Transferable

**HIT 220 HIM Statistics (2 Units)**
Prerequisites: CIS 101 or COMP 101 and HIT 101 (may be taken concurrently).
Hours: 36 (36 lecture)
Introduction to healthcare statistics, including a review of mathematics, interpretation of healthcare statistical formulas, presentation of data and application of medical research tools. Use of statistics in relation to long-range healthcare planning and development, application of automated systems, integration of reports and registration of vital statistics.
Transfer Information: CSU Transferable

**HIT 230 Alternative Delivery Systems (2 Units)**
Prerequisites: HIT 101.
Course Advisories: COMP 101 and HIT 240.
Hours: 36 (36 lecture)
Introduction to Health Information Management practice in alternative healthcare delivery systems, including ambulatory, long-term and managed care, mental health, rehabilitation medicine, and hospice and home health. Focuses on regulatory and accreditation requirements, funding and reimbursement, transition to the EHR, and health data privacy and security.
Transfer Information: CSU Transferable

**HIT 240 HC Quality Management (3 Units)**
Prerequisites: HIT 101 and COMP 101 or CIS 101.
Course Advisories: HIT 255.
Hours: 54 (54 lecture)
Applies continuous healthcare quality management and performance improvement principles to the hospital setting, focusing on historical, theoretical, and practical applications and methodologies. Includes data collection and analysis; regulatory, accreditation and patient safety compliance; credentialing and utilization; and case and risk management.
Transfer Information: CSU Transferable

**HIT 255 Medical Insurance and Reimbursement Methodologies (4 Units)**
Prerequisites: HIT 102, 202 and 203 (all may be taken concurrently).
Course Advisories: HIT 210.
Hours: 72 (72 lecture)
Introduction to the basics of medical insurance billing. Current payment methodologies in the inpatient, hospital outpatient, and physician office settings. Focus on compliance with regulatory requirements and common billing practices.
Transfer Information: CSU Transferable

**HIT 265 HIM Computer Applications (3 Units)**
Prerequisites: HIT 101 and COMP 101 or CIS 101.
Hours: 54 (54 lecture)
Intermediate level systems class focusing on computer applications in healthcare and health information management. Includes application of basic computer and communication concepts and technologies, systems development and analysis, work flow mapping, queries and reports for information retrieval, and migration to the electronic health record.
Transfer Information: CSU Transferable

**HIT 275 HIT Practicum (4.5 Units)**
Prerequisites: HIT 202 and HIT 203 and HIT 220 and HIT 240 and HIT 255 and HIT 265 and HIT 210.
Hours: 135 (54 lecture, 81 lab)
Limitation on enrollment: Health and Safety regulations. A physical examination and up-to-date immunizations are required at student's own expense. A background check and drug screen may be required at student's own expense by the practicum site. Supervised onsite experience performing CAHIIM-required HIT competencies for an affiliated healthcare organization. Clinical practice is conducted as a non-paid, laboratory experience and includes a partial virtual practicum.
Transfer Information: CSU Transferable

**HIT 280 Medical Coding Practicum (1 Unit)**
Prerequisites: HIT 202 and HIT 203 and HIT 210 and HIT 255.
Corequisites: Concurrent enrollment in HIT 205.
Limitations on Enrollment: Health and Safety regulations.
Hours: 54 (54 lab)
A physical examination and up-to-date immunizations are required at student's own expense, and a background check may be required at student's own expense by the practicum site. Capstone course for the Medical Coding Specialist Certificate program. Emphasizes the application of clinical classification systems and evaluation of coded and abstracted data. This seminar course has online assignments, projects, and can also be partially completed by going onsite to an acute care faculty. If going onsite, students are supervised and hold the status of learner. Students can also complete all course requirements in the online format.
Transfer Information: CSU Transferable

**HIT 284 Coding Exam Preparation (3 Units)**
Hours: 54 (54 lecture)
Review of principles of HIM documentation, coding reimbursement methodologies, compliance, and data quality to prepare medical coding certificate and medical coders for national coding certification examinations. Focus is on reviewing materials covered in the MCS Program, and on test-taking and studying techniques/strategies using mock test questions, discussion boards and other resources.

**HIT 285 Registered Health Information Technician Exam Preparation (3 Units)**
Hours: 54 (54 lecture)
In-depth review of HIM principles and applications to prepare HIT program graduates for the AHIMA National RHIT examination. Focus is on reviewing materials covered in the HIT Program, as well as test-taking and studying techniques. Students use links to mock test questions, discussion boards and other resources to prepare them for the national exam.

# Hebrew (HEBR)
## Credit Courses

**HEBR 101 Beginning Modern Hebrew I (5 Units)**
Hours: 90 (90 lecture)
Beginning course on reading, grammar, syntax and the essentials of spoken and written modern Hebrew. Provides an introduction to the culture of Hebrew speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**HEBR 102 Beginning Modern Hebrew II (5 Units)**
Prerequisites: HEBR 101 or two years of high school Hebrew or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continuation of HEBR 101. Focuses on the essentials of spoken and written modern Hebrew for the beginner and provides an introduction to the culture of Hebrew speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

# History (HIST)
## Credit Courses

**HIST 101 History of the U.S. to 1877 (3 Units)**
Hours: 54 (54 lecture)
Analysis of United States social, economic, political and institutional developments from the first European settlements through Reconstruction.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 102 History of the U.S. Since 1865 (3 Units)**
Hours: 54 (54 lecture)
Analysis of United States social, economic and institutional developments from 1865 to the present.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 102H History Of The U.S. Since 1865, Honors (4 Units)**
Limitations on Enrollment: Honors course.
Hours: 72 (72 lecture)
Analysis of social, economic, and institutional developments in the United States, from 1865 to the present.
SBCC General Education: SBCCGE Area B, SBCCGE Area E2
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 103 History of Western Civilization (3 Units)**
Hours: 54 (54 lecture)
Analysis and discussion of major ideas, attitudes and events that have shaped the Western mind and the structure of Western civilization. Emphasis on the relationship of ideas to their historical context. Traces civilization from the ancient world through the development of the nation-state system to 1660.
SBCC General Education: SBCCGE Area B, SBCCGE Area C
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 104 History of Western Civilization (3 Units)**
Hours: 54 (54 lecture)
Analysis and discussion of major ideas, attitudes and events that have shaped the Western mind and the structure of Western civilization. Emphasis on the relationship of ideas to their historical context. Surveys Western civilization from the era of Louis XIV to the present.
SBCC General Education: SBCCGE Area B, SBCCGE Area C
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 107 World Civilization, Beginnings to 1550 (3 Units)**
Hours: 54 (54 lecture)
Survey of world history, from its beginnings to the 16th century. Comparative examination of political, social and religious development. Examines cultural interaction between civilizations.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 108 World Civilization, 1550 to Present (3 Units)**
Hours: 54 (54 lecture)
Examines important social, political and ideological developments around the world, from the 16th century to the present. Considers the causes and consequences of increased global interaction.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 110 History of American Women (3 Units)**
Hours: 54 (54 lecture)
Economic, social, political and cultural history of women in America, from colonial times to the present.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 110H History Of American Women (Honors) (4 Units)**
Limitations on Enrollment: Honors course.
Hours: 72 (72 lecture)
Economic, social, political and cultural history of women in America, from colonial times to the present.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 111 The American West as Frontier and Region (3 Units)**
Hours: 54 (54 lecture)
Interpretive survey of the historic interplay between Europeans, Native Americans and other ethnic minorities against the backdrop of the American Westward movement from pre-Columbian times to the present.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 112 American Environmental History (3 Units)**
Same as: ENVS 112
Hours: 54 (54 lecture)
Examines American attitudes and actions toward the environment by Indians and European immigrants from the colonial period to the present. Analyzes current environmental problems in the context of American development.
SBCC General Education: SBCCGE Area B, SBCCGE Area C
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 113H History Of Western Civilization: 1600 To Present, Honors (4 Units)**
Limitations on Enrollment: Acceptance into the Honors Program.
Hours: 72 (72 lecture)
Critical analysis and discussion of major ideas and attitudes that have shaped the Western mind and structure of Western civilization. Emphasis on the relation of ideas to this historical context. Western civilization from the beginning of the modern era to the present.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 115 The Vietnam Wars (3 Units)**
Hours: 54 (54 lecture)
History of wars fought in Vietnam since the 1940s, with particular emphasis on American involvement.
SBCC General Education: SBCCGE Area B, SBCCGE Area C
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 120 Modern Europe (3 Units)**
Hours: 54 (54 lecture)
European history from the late 19th century to the present, emphasizing the two world wars and the rise of the totalitarian dictatorships since World War I.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 121 History Of Great Britain (3 Units)**
Hours: 54 (54 lecture)
History of Great Britain, from earliest times to 1688.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 122 History Of Great Britain (3 Units)**
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
History of Great Britain from 1688 to the present.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 127 History Of Russia (3 Units)**
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Russian cultural, economic, political and social development, from the ninth century to the present. Emphasis on period after 1760, with stress on Russian international goals, foreign policy and internal change.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 133 History of Latin America (3 Units)**
Hours: 54 (54 lecture)
Examines the evolution of Latin America, from pre-Columbian days to the present. This evolution is analyzed from a cultural, political, economic and diplomatic perspective.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 134 History Of Latin America: 1800'S To Modern Period (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examines the evolution of Latin America from the early 1800s to the present. This evolution is analyzed from cultural, political, economic and diplomatic perspectives.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 135 History of Mexico (3 Units)**
Hours: 54 (54 lecture)
Examines the political, social, cultural, and economic history of Mexico from pre-Columbian times to the present.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 137 History of Religions of The Middle East (3 Units)**
Hours: 54 (54 lecture)
Introduction to the history of the three major religious traditions of the Middle East: Judaism, Christianity and Islam in comparative perspective, as well as the historical content of religion in the Middle East.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 138 History of the Modern Middle East (3 Units)**
Hours: 54 (54 lecture)
Recent and contemporary history of the Middle East that examines the roots of the present political, cultural and economic situation in this crucial part of the world.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

**HIST 299 Independent Study In History (1-4 Units)**
Limitations on Enrollment: Complete 12 units at SBCC with a GPA of 2.5 and a minimum of 6 units with a GPA of 3.0 in the History Department.
Hours: 192 (192 lab)
Student works under guidance and direction of sponsoring faculty member on project consistent with interests and abilities. Minimal weekly meetings required.
Transfer Information: CSU Transferable

# Honors (HNRS)
## Credit Courses

**HNRS 100 Honors Colloquium (0.5 Units)**
Corequisites: Any Honors course Interdisciplinary colloquium on a selected topic each semester, designed to aid in students' transition to the Honors Program.
Hours: 9 (9 lecture)
Limitation on enrollment: Admission in the Honors Program. Strengthens academic, cognitive and social skills, as well as introduces the aims and requirements of the Honors Program. Led by faculty members from various college departments, invited guest speakers from the college and the community address the semester's topic.

# Hotel Management (HM)
## Credit Courses

**HM 150 Hospitality Law (3 Units)**
Hours: 54 (54 lecture)
Students learn to apply hospitality law to everyday issues at their work site, including regulating hotel responsibilities to guests, guest rights, hotel facility regulations, and employee rights.
Transfer Information: CSU Transferable

**HM 151 Front Office Operations (3 Units)**
Hours: 54 (54 lecture)
Competencies necessary to successfully supervise hotel front office operations. Understanding and practical application of front office operations, including reservations, registration, checkout, settlement, security, accounting and audits.
Transfer Information: CSU Transferable

**HM 152 Housekeeping Operations (3 Units)**
Hours: 54 (54 lecture)
Competencies necessary to successfully supervise housekeeping operations. Responsibilities of housekeeping department in relation to other departments and the skills to supervise the housekeeping and laundry staff.
Transfer Information: CSU Transferable

**HM 153 Food And Beverage Operations (3 Units)**
Hours: 54 (54 lecture)
Provides the skills necessary to supervise a hotel food and beverage department. Understanding department responsibilities and staff supervision issues in addition to a variety of food and beverage operations, including pricing, controls, marketing and financial management. Mastery of menu planning and serving and preparing foods using safe and sanitary procedures.
Transfer Information: CSU Transferable

**HM 256 Supervision In The Hospitality Industry (3 Units)**
Hours: 54 (54 lecture)
Provides the competencies necessary to supervise in the hospitality industry. Practice in a wide range of supervisory skills, such as effective communications, training, coaching, evaluating, disciplining and managing conflict. Understanding techniques for managing productivity and change.
Transfer Information: CSU Transferable

**HM 257 Hospitality Sales and Marketing (3 Units)**
Hours: 54 (54 lecture)
Through study and practical application in a hospitality setting, students will learn to apply effective sales and customer service techniques through the understanding of service encounters, guest behavior, data, pricing strategies, selling and entrepreneurship.
Transfer Information: CSU Transferable

**HM 258 Security And Loss Management (3 Units)**
Hours: 54 (54 lecture)
Provides the competencies necessary to understand hospitality security systems and to implement appropriate security procedures. Practice of strategies to address hospitality security concerns and emergency situations.
Transfer Information: CSU Transferable

**HM 259 Training And Development Skills For Hospitality Professionals (3 Units)**
Hours: 54 (54 lecture)
Provides the competencies necessary to develop hospitality staff members through effective coaching, mentoring, evaluating and training. Includes assessing development needs, mentoring, instructional design and assessing training and development initiatives in the hospitality industry.
Transfer Information: CSU Transferable

**HM 290 Hotel Work Experience (3-4 Units)**
Hours: 220 (220 lab)
Consists of 225-300 hours of work in hotel employment. Supervised employment of students with the intent of creating student awareness of hospitality management employment opportunities. Students perform assigned responsibilities as an employee, follow employer's policies, and write individual learning objectives. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**HM 295 Internship in Hotel Management/Culinary Arts (4 Units)**
Hours: 192 (192 lab)
Structured internship program in which students gain experience in community organizations related to the discipline.
Transfer Information: CSU Transferable

# Interior Design (ID)
## Credit Courses

**ID 100 Introduction to Interior Design (1 Unit)**
Corequisites: ID 100L.
Hours: 18 (18 lecture)
Overview of the interior design profession and preparation for a career in that field. How the interior designer contributes to the design team, and how the interior designer works and communicates with the client and consultants.
Transfer Information: CSU Transferable

**ID 100L Introduction to Interior Design Lab (1 Unit)**
Corequisites: ID 100.
Hours: 54 (54 lab)
Assigned projects focus on application of content presented in ID100 and promote understanding of the responsibilities of interior designers, facilitate development of a vocabulary, and to communicate with clients and consultants. Students will apply the design process to analyze and improve interior spaces.
Transfer Information: CSU Transferable

**ID 101 Space Planning And Lighting (3 Units)**
Corequisites: DRFT 120.
Hours: 54 (54 lecture)
In this hands-on course, students study the development of interior spaces, both residential and commercial. Topics include the design process, codes, human factors, space requirements and furniture layouts. Elements of lighting design and room-by-room lighting options will be taught.
Transfer Information: CSU Transferable

**ID 102 Textiles (3 Units)**
Corequisites: DRFT 120 Overview of the types of textiles and their composition and characteristics to aid in informed textile-related decision making by the interior design professional.
Hours: 54 (54 lecture)
Transfer Information: CSU Transferable

**ID 103 Historical Furniture (3 Units)**
Hours: 54 (54 lecture)
Study of furniture and interior styles, from antiquity to contemporary design. Study of the evolution of furniture design elements within the historical context of their construction and use. Includes identification of unique design elements of selected pieces of furniture.
Transfer Information: CSUGE Area C1, CSU Transferable

**ID 104 Materials And Installations (3 Units)**
Hours: 54 (54 lecture)
Introduction to the materials and installation processes common to the field of interior design. Includes residential and commercial applications. Emphasizes procurement, pricing and manufacturers' specifications.
Transfer Information: CSU Transferable

**ID 105 Kitchen And Bathroom Design (3 Units)**
Corequisites: DRFT 120.
Course Advisories: ART 140 and DRFT 124.
Hours: 54 (54 lecture)
Study of kitchen and bathroom design in a residential setting. Thorough analysis of kitchen shapes, layouts, construction, space plans, materials, products, lighting and accessories. Forty kitchen design guidelines identified. Emphasis on plans, cabinet measurements, traffic paths and work triangles. Special emphasis on barrier-free designs in kitchens and baths.
Transfer Information: CSU Transferable

**ID 106 Business Practices And Design (3 Units)**
Corequisites: DRFT 124.
Course Advisories: ART 140.
Hours: 54 (54 lecture)
Surveys the standard materials for interior design presentation to an actual residential or commercial client. Focuses on the development of a portfolio; verbal and graphic presentation; exploration of media common to the marketplace; and gaining proficiency in the application of business practices to interior design.
Transfer Information: CSU Transferable

**ID 290 Work Experience In Interior Design (1-4 Units)**
Prerequisites: ID 101 or ID 102 or ID 103 or ID 104 or ID 105.
Corequisites: ID 100.
Hours: 300 (300 lab)
Work experience on a job/project directly related to interior design, to acquire skills and attitudes to enter and/or progress in interior design occupation. Students have been enrolled in at least one class (other than Work Experience) in their major, plus have a major-related work experience station. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# International Business (IBUS)
## Credit Courses

**IBUS 102 Introduction to International Business (3 Units)**
Hours: 54 (54 lecture)
Basic management principles to the international arena. The environment of international business, including politics, culture and economics, are emphasized. The structure of multinational companies, international trade and international finance also receive attention. Topics include global strategic planning, global organization, global production, marketing, human resources strategies, political risk and negotiation, and international financial management.
Transfer Information: CSU Transferable, UC Transferable

**IBUS 109 Basics of Importing and Exporting (3 Units)**
Hours: 54 (54 lecture)
Practical introduction to the conduct of importing and exporting. Topics include logistics, documents, contract administration, terminology, quality control, and payment procedures.
Transfer Information: CSU Transferable

**IBUS 201 International Human Resource Management (3 Units)**
Course Advisories: IBUS 102.
Hours: 54 (54 lecture)
Examines the functions of personnel management applied to international business. The first half of the course develops management tasks. Topics include organization, recruitment, training, evaluation, compensation, repatriation and labor relations. The second half of the course focuses on organizational behavior and structure.
Transfer Information: CSU Transferable

**IBUS 210 International Trade Skills for Global Business Professionals (3 Units)**
Hours: 54 (54 lecture)
Provides a detailed overview of the skills required for a career as a global business professional. Also designed as a preparatory course for those wishing to apply for the NASBITE CGBP designation (www.NASBITE.org).
Transfer Information: CSU Transferable

**IBUS 211 Legal Environment of International Business (3 Units)**
Hours: 54 (54 lecture)
Introduction to international business law and conflict resolution. Topics include contracts, documents, carriage, trade finance, marketing, licensing, regulations and political risks, as well as negotiations, mediation and arbitration methods.
Transfer Information: CSU Transferable, UC Transferable

**IBUS 271 International Fashion and Beauty (3 Units)**
Hours: 54 (54 lecture)
Study of fashion and beauty product development. Covers entire product life cycle. Once a product is approved for consumer use, product developers are responsible for its successful public launch. They create and deliver presentations and campaigns to effectively market new items. Product developers plan, prepare and present their new creations.
Transfer Information: CSU Transferable

**IBUS 273 Global Fashion and Beauty Industry Marketing (3 Units)**
Hours: 54 (54 lecture)
Global trends in beauty, unlike any other period of time, now cross borders and boundaries via international travel and technology. Understanding the roles of segmentation and consumer behavior in this industry and social era of business is necessary for profitability and long term relationship connections.
Transfer Information: CSU Transferable

**IBUS 275 Global Fashion Retailing (3 Units)**
Hours: 54 (54 lecture)
Traditional and E-Commerce global fashion and beauty industry. Online shopping has streamlined this process for increased utility for all business channel members. The universal principles of retailing from the first exchange process to the latest E-Commerce are discussed as well as the empowerment of the consumer via social media platforms.
Transfer Information: CSU Transferable

# Italian (ITAL)
## Credit Courses

**ITAL 101 Beginning Italian I (5 Units)**
Hours: 90 (90 lecture)
Focuses on the essentials of spoken and written Italian for the beginner, and provides an introduction to the culture of Italian speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**ITAL 102 Beginning Italian II (5 Units)**
Prerequisites: ITAL 101 or two years of high school Italian or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Focuses on the essentials of spoken and written Italian for the beginner, and provides an introduction to the culture of Italian speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**ITAL 103 Intermediate Italian I (5 Units)**
Prerequisites: ITAL 102 or three years of high school Italian or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Review of basic structures, vocabulary building, development of auditive comprehension, reading/writing skills and oral expression.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**ITAL 104 Intermediate Italian II (5 Units)**
Prerequisites: ITAL 103 or four years of high school Italian or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Focus on further development of listening, speaking, reading and writing skills. Review of grammatical structures and vocabulary building through readings. Research and discussion of cultural topics.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**ITAL 130 Intermediate Conversation (2 Units)**
Prerequisites: ITAL 102 or ITAL 120 or three years of high school Italian or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Second-year course designed to increase the student's vocabulary and fluency in the language, as well as his/her ability to comprehend cultural and sociolinguistic differences.
Transfer Information: CSU Transferable, UC Transferable

**ITAL 140 Advanced Conversation (2 Units)**
Prerequisites: ITAL 103 or 130 or four years of high school Italian or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Second-year course designed to increase the student's vocabulary and fluency in the language, as well as his/her ability to comprehend cultural and sociolinguistic differences.
Transfer Information: CSU Transferable, UC Transferable

# Japanese (JAPN)
## Credit Courses

**JAPN 101 Beginning Japanese I (5 Units)**
Hours: 90 (90 lecture)
Introduction to the essential tools of communication in modern Japanese. Aims at the acquisition of four skills in modern Japanese (speaking, listening, reading and writing) based on the fundamentals of the sound system, basic grammar and vocabulary. Introduction to Japanese writing systems and culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**JAPN 102 Beginning Japanese II (5 Units)**
Prerequisites: JAPN 101 or two years of high school Japanese or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continues the introduction to the essential tools of communication in modern Japanese. Aims at the acquisition of four basic skills in modern Japanese: speaking, listening comprehension, reading and writing-based on the fundamentals of the sound system, basic grammar and vocabulary. Introduction to Japanese writing systems and the culture of Japanese speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**JAPN 103 Intermediate Japanese I (5 Units)**
Prerequisites: JAPN 102 or three years of high school Japanese or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continuation of JAPN 102. Emphasizes comprehension, vocabulary-building and enrichment of grammar for both spoken and written Japanese. Introduction to additional Kanji and the culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**JAPN 104 Intermediate Japanese II (5 Units)**
Prerequisites: JAPN 103 or four years of high school Japanese or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continuation of comprehension and vocabulary building, and enrichment of grammar in both spoken and written Japanese. Introduction to additional Kanji and the culture of Japanese speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**JAPN 140 Intermediate Japanese Conversation II (2 Units)**
Prerequisites: JAPN 102 or three years of high school Japanese or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Designed to increase skills of conversation and effective and appropriate use of the language in real-life situations.
Transfer Information: CSU Transferable, UC Transferable

# Journalism (JOUR)
## Credit Courses

**JOUR 101 Reporting/Writing I (3 Units)**
Course Advisories: COMP 151AB.
Hours: 54 (54 lecture)
Introduction to gathering, organizing and writing news in journalistic style across multiple platforms. Includes role of the journalist and related legal and ethical issues. Students report and write based on original interviews and research to produce news content. Experiences may include covering speeches, meetings and other events, writing under deadline and using AP Style.
Transfer Information: CSU Transferable, UC Transferable

**JOUR 121 The Channels: Reporting/Writing (3 Units)**
Corequisites: JOUR 101.
Hours: 52 (52 lecture)
Prerequisite or Students develop and write news stories and packages for SBCC's student news website. They are assigned a campus "beat" and generate news and feature articles, working on assignment from the Editorial Board. Deadlines and ethical, professional behavior stressed.
Transfer Information: CSU Transferable

**JOUR 122A The Channels: Newswriting and Editing (4 Units)**
Prerequisites: JOUR 121.
Hours: 108 (54 lecture, 54 lab)
Students write and edit articles and multimedia packages for SBCC's student news publications. They edit content for grammatical correctness, accuracy, completeness and style. They write headlines, cutlines, and insert navigational hyperlinks. Deadlines and ethical, professional behavior stressed.
Transfer Information: CSU Transferable

**JOUR 122B The Channels: Editing and Publishing (4 Units)**
Prerequisites: JOUR 122A.
Hours: 108 (54 lecture, 54 lab)
Students publish content for SBCC's student news publications. They prepare all content for press and online distribution, promote via social media, and monitor the online news site. Deadlines and ethical, professional behavior stressed.
Transfer Information: CSU Transferable

**JOUR 123A The Channels: Photojournalism (4 Units)**
Corequisites: PHOT 109 or JOUR 190 or PHOT 190.
Hours: 108 (54 lecture, 54 lab)
Students produce photographs and photo illustrations and write captions for The Channels, SBCC's student news site. They capture images from campus arts, sporting, music and news events, and depict campus issues and personalities, working on assignment from the Editorial Board. Deadlines, ethics and professional behavior stressed.
Transfer Information: CSU Transferable

**JOUR 123B The Channels: Publication Design (4 Units)**
Prerequisites: GDP 110.
Hours: 108 (54 lecture, 54 lab)
Students design graphics and/or illustrations for The Channels, SBCC's student news website. They create informational-interactive graphics, advertisements, illustrations and editorial cartoons. All work is completed on assignment for publication.
Transfer Information: CSU Transferable

**JOUR 135 Public Relations (3 Units)**
Same as: MKT 135
Hours: 54 (54 lecture)
Practical, skills-oriented introduction to public relations for business, public and non-profit organizations. Emphasis on writing press releases and other publicity tools, developing strategic plans, using social media for promotion and identifying techniques for media relations.
Transfer Information: CSU Transferable

**JOUR 190 Photojournalism (3 Units)**
Same as: PHOT 190
Course Advisories: PHOTO 209.
Hours: 90 (36 lecture, 54 lab)
Skills and techniques of contemporary photojournalism. Topics include news and editorial sources, photographing single events and extended picture stories, and ethics. Skills include control of color, portable electronic flash, and electronic processes for contemporary publication.
Transfer Information: CSU Transferable, UC Transferable

**JOUR 200 Contemporary News Media and Society (3 Units)**
Hours: 54 (54 lecture)
Never in American history have the news media been more important —or played a more influential role in our participatory democracy. This course explores the wide-ranging impacts of news on American citizens, institutions and government. It delves into emerging media forms and platforms and examines trends and pressing controversies surrounding contemporary journalism. Finally, the course teaches students "news literacy" or the tools to critically navigate the flood of information, encourage change, and create impact.
Transfer Information: CSUGE Area D, IGETC Area 4, CSU Transferable, UC Transferable

**JOUR 215A The Channels: Section Editor (1 Unit)**
Prerequisites: JOUR 101 and JOUR 121.
Corequisites: JOUR 122A and JOUR 123A or JOUR 123B.
Hours: 54 (54 lab)
Students plan, assign and coordinate coverage for specific sections of The Channels. Sections are news, art and entertainment, features, opinion and sports. They oversee staffing and policy issues, and serve as the public face of The Channels to the campus and local community.
Transfer Information: CSU Transferable

**JOUR 215B The Channels: Publication Editor (1 Unit)**
Prerequisites: JOUR 215A.
Corequisites: JOUR 122B or JOUR 123A or JOUR 123B.
Limitations on Enrollment: Limited number of positions available.
Course Advisories: ENG 110, ENG 110H.
Hours: 54 (54 lab)
Concurrent Editors must be appointed by adviser. Student editors plan, assign and coordinate content of The Channels online news site. They oversee reporting and photography, along with design, video and multimedia components. They preside over staffing and publication processes and serve as the public face of The Channels to the campus and Santa Barbara community.
Transfer Information: CSU Transferable

**JOUR 215C The Channels: Publication Manager (1 Unit)**
Prerequisites: JOUR 215B.
Limitations on Enrollment: A limited number of these top editorial positions are available.
Course Advisories: ENG 110, ENG 110H.
Hours: 54 (54 lab)
Enrollment must be recommended by the faculty adviser. Student editors manage The Channels editorial operations and provide general oversight of the website and its traffic. They continue to work with the Editorial Board to plan, assign and coordinate news content.
Transfer Information: CSU Transferable

**JOUR 271NF Creative Writing: Non-fiction (3 Units)**
Hours: 54 (54 lecture)
Advanced study and practice of creative writing in non-fiction genres.
Transfer Information: CSU Transferable, UC Transferable

**JOUR 290 Work Experience in Journalism (1-4 Units)**
Prerequisites: JOUR 101, with a minimum grade of B and JOUR 121, with a minimum grade of B or JOUR 123A, with a minimum grade of B and/or JOUR 123B, with a minimum grade of B.
Hours: 300 (300 lab)
Work with local news publication; follow employer policies. Attend one campus-based orientation. Keep record of time worked and secure an end-of-semester employer's evaluation. Experiential Learning consists of 60 hours per unit of unpaid work or 75 hours of paid work. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Justice Studies (AJ)
## Credit Courses

**AJ 101 Introduction To The Administration Of Justice (3 Units)**
Course Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Comprehensive introduction to the history, functions, structures, processes and interactions of the basic components of the criminal justice system. Required course for majors.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

**AJ 102 Ethics In The Criminal Justice System (3 Units)**
Hours: 54 (54 lecture)
Examination of the types and history of ethical theories and development of moral and ethical behavior for criminal justice practitioners. Students learn how to analyze an ethical dilemma and apply this process to contemporary law enforcement issues..
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, CSUGE Area D8, IGETC Area 4J, CSU Transferable, UC Transferable

**AJ 103 Legal Aspects Of Evidence and Procedure (3 Units)**
Hours: 54 (54 lecture)
Covers the development, philosophy and constitutional basis of evidence and criminal procedure; legal considerations affecting arrest, search and seizure; kind and degrees of evidence; rules governing admissibility; judicial decisions interpreting individual rights; case studies; major stages of criminal justice processes.
Transfer Information: CSU Transferable, UC Transferable

**AJ 104 Introduction to Corrections (3 Units)**
Hours: 54 (54 lecture)
Examines major types of crime and criminal behavior, characteristics of offenders, factors that contribute to crime and delinquency, and the role of probation and parole. Analyzes historical changes in crime control, treatment and punishment.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

**AJ 105 Diversity, Law and Justice (3 Units)**
Hours: 54 (54 lecture)
Legal perspectives on cultural diversity in the U.S., including race, ethnicity, gender, class, religion, disability and sexual orientation. Examines historical and contemporary laws cases that have shaped how these groups interact within society. Analysis of the role the criminal and civil justice systems plays in determining the status of minority groups and their relationship to the law.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area D3, CSUGE Area D8, IGETC Area 4C, IGETC Area 4H, CSU Transferable, UC Transferable

**AJ 107 Concepts Of Criminal Law (3 Units)**
Hours: 54 (54 lecture)
Historical development and philosophy of law and constitutional provisions; definitions, classifications of crimes, and their application to the system of administration of justice; legal research, study of case law, methodology, and concepts of law as a social force.
Transfer Information: CSUGE Area D8, IGETC Area 4J, CSU Transferable, UC Transferable

**AJ 110 Introduction To Forensics (3 Units)**
Hours: 54 (54 lecture)
Use of science and technology to investigate and establish facts in courts of law, with emphasis on examination and analysis of physical evidence. Explores the history of forensics, crime scene management, and various scientific techniques used to analyze the evidentiary value of items found during an investigation.
Transfer Information: CSU Transferable, UC Transferable

**AJ 111 Criminal Investigation (3 Units)**
Hours: 54 (54 lecture)
Fundamentals of investigation; techniques of crime scene search and recording; collection and preservation of evidence; modus operandi processes, sources of information and follow-up investigation.
Transfer Information: CSU Transferable, UC Transferable

**AJ 113 Community Relations (3 Units)**
Hours: 54 (54 lecture)
Examines the relationship between communities and the justice system in addressing crime and conflict. Emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics include the consensus and conflicting values in cultural, religion, and law.
Transfer Information: CSU Transferable, UC Transferable

**AJ 125 Introduction To Criminology (3 Units)**
Hours: 54 (54 lecture)
Examines the relationship between communities and the justice system in addressing crime and conflict. Emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics include the consensus and conflicting values in cultural, religion, and law.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

**AJ 245 Constitutional Law (3 Units)**
Hours: 54 (54 lecture)
Critical study, analysis and evaluation of landmark cases of the U.S. Supreme Court. The logic and fallacies of the interpretive reasoning processes utilized by the court in reaching its decisions. Emphasis on the protection of individual rights and privileges contained in the Bill of Rights, and an understanding of the formal and informal thinking processes applied to judicial interpretation.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D8, CSU US-2, IGETC Area 4H, CSU Transferable, UC Transferable

**AJ 250 The Study of Murder (3 Units)**
Hours: 54 (54 lecture)
Historical and contemporary analysis of criminal homicide by examining the nature and extent of murder, including serial murder and sex crime-related murder.
Transfer Information: CSU Transferable, UC Transferable

**AJ 255 Terrorism And The Criminal Justice System (3 Units)**
Hours: 54 (54 lecture)
Historical perspectives and current terrorist threats and challenges; major terrorist groups and their strategies; limits on military and civilian authority; future trends and law enforcement responses.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, CSU Transferable, UC Transferable

**AJ 265 Crime and Human Behavior (3 Units)**
Hours: 54 (54 lecture)
Examines the application of psychology to crime and the criminal justice system. Analysis includes areas of intersection between the fields of psychology and criminal justice, the role of psychologists in the criminal justice system, the use of psychological concepts in court, and the psychology of criminal behavior.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, CSUGE Area D9, CSU Transferable, UC Transferable

**AJ 271 The Study of Evil (3 Units)**
Hours: 54 (54 lecture)
Examination of legal and societal interest in defining, identifying and punishing "evil" people and their actions. Identifies cultural contexts of evil from sociological, psychological, philosophical, biological and neuroscience perspectives. Focus on historical events, with analysis of the various definitions of evil. Analyzes how societies respond to such behaviors, and how the C.J. system is impacted.
Transfer Information: CSUGE Area D7, IGETC Area 4, CSU Transferable, UC Transferable

**AJ 290 Work Experience In Administration Of Justice (3 Units)**
Hours: 225 (225 lab)
Consists of supervised employment for students whose career objectives, course of study, and employment complement each other. One unit of credit is earned for each 75 hours of supervised on-the-job experience. Students must accomplish specific course objectives. Class meetings on campus will be scheduled each semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Korean (KOR)
## Credit Courses

**KOR 101 Beginning Korean I (5 Units)**
Hours: 90 (90 lecture)
Students acquire basic knowledge of the grammar and vocabulary, and develop an ability to read, write and understand simple texts. Introduction to the writing system of the Korean Alphabet (Hans Gul), as well as the sound system. Emphasis on oral-aural proficiency and reading-writing skills. Cultural elements of Korea also introduced.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**KOR 102 Beginning Korean II (5 Units)**
Prerequisites: KOR 101 or two years of high school Korean or qualifying score on SBCC SoML placement exam.
Course Advisories: ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Provides students simple and complex sentences with basic grammatical patterns. Emphasizes correct use of basic grammatical patterns and their application in actual life. Students are required to write short essays based on topics from everyday life.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**KOR 103 Intermediate Korean I (5 Units)**
Prerequisites: KOR 102, or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Aims to develop communicative skills based on the fundamentals of grammar, vocabulary and conversational expressions. Students will acquire speaking and listening proficiency to carry out simple everyday conversation; reading skills to understand short, simple written materials; and writing skills to be able to write journals, letters and short essays. Students also learn many cultural aspects such as traditional clothing, music and religion.
Transfer Information: CSU Transferable, UC Transferable

# Latin (LATN)
## Credit Courses

**LATN 101 Beginning Latin I (5 Units)**
Hours: 90 (90 lecture)
Beginning course in reading, grammar and syntax of classical Latin. Study of the presence of Latin in modern languages, sciences and culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**LATN 102 Beginning Latin II (5 Units)**
Prerequisites: LATN 101 or two years of high school Latin or qualifying score on SBCC SoML placement exam.
Hours: 90 (90 lecture)
Continuation of Latin 101. Focuses on reading, grammar and syntax of classical Latin. Study of the presence of Latin in modern languages, sciences and culture.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

# Library (LIBR)
## Credit Courses

**LIBR 101 Information Literacy (1 Unit)**
Hours: 18 (18 lecture)
Information literacy is introduced and practiced. Topics include how information and misinformation are produced, valued, organized, shared or suppressed; the nature of research and finding information; notions of authority and credibility; and the use of information in creating new knowledge and participating ethically in communities of learning. Students critically analyze the information ecosystem and practice research skills. Satisfies SBCC Information Competency requirement.
SBCC General Education: SBCCGE Area F
Transfer Information: CSU Transferable, UC Transferable

# Management (MGMT)
## Credit Courses

**MGMT 101 Introduction To Management (3 Units)**
Course Advisories: BUS 101.
Hours: 54 (54 lecture)
Examines the basic management functions of planning, organizing, leading and controlling. Included is an examination of key management concepts involving strategic planning, decision-making, organizational behavior, ethics and social responsibility, team building, diversity, and the role of manager as leader.
Transfer Information: CSU Transferable, UC Transferable

**MGMT 102 Leadership in Organizations (3 Units)**
Course Advisories: BUS 101, ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
. Overview of leadership in organizations at the individual and group levels, providing for the preparation and practice of effective leadership in various group and organizational environments.
Transfer Information: CSU Transferable, UC Transferable

# Marine Diving Technologies (MDT) Credit Courses

**MDT 100 Skin And Scuba Diving (1.8 Unit)**
Hours: 60 (18 lecture, 42 lab)
An introductory SCUBA diving certification course taught under the standards of the National Association of Underwater Instructors (NAUI). Students obtain skills in basic diving techniques, physiology, skin and SCUBA equipment. Laboratory sessions focus on acquisition and application of necessary water skills in skin and SCUBA diving in a confined water (pool) environment. Practical application of diving skills are evaluated in a minimum of five open sea dives. Successful students will receive a lifetime certification as a SCUBA diver from NAUI.
Transfer Information: CSU Transferable, UC Transferable

**MDT 101 Information and Introduction to Marine Diving Technology (0.3 Units)**
Limitations on Enrollment: Health and Safety regulations.
Hours: 8 (5 lecture, 3 lab)
Overview of marine diving and the SBCC Marine Diving Technologies modular curriculum. Assessment of swimming, diving and mathematical skills. Primary purpose is to provide information on the modular concepts, equipment requirements, fees and application process required for enrollment in the MDT Program.

**MDT 104 Fundamentals and Practices of Diving (2 Units)**
Hours: 36 (36 lecture)
Modular study of diving physics, physiology, dive planning and safety. Stresses the importance of environmental and equipment-related situations. Computations utilizing various decompression profiles emphasized.

**MDT 105 Advanced Scuba Techniques (1.7 Unit)**
Corequisites: MDT 101.
Limitations on Enrollment: Admission to Program.
Hours: 60 (16 lecture, 44 lab)
Practical application of Scuba diving techniques and skill building in the confined water and open ocean environments.
Transfer Information: CSU Transferable, UC Transferable

**MDT 106 Open Water Navigation And Rescue (0.7 Units)**
Corequisites: MDT 105.
Limitations on Enrollment: Health and Safety regulations.
Hours: 24 (8 lecture, 16 lab)
Practical application of navigation and rescue skills in the ocean environment.
Transfer Information: CSU Transferable

**MDT 107 Hyperbaric Chamber Operations (1.5 Unit)**
Corequisites: MDT 101.
Hours: 48 (16 lecture, 32 lab)
Theoretical and practical application of hyperbaric chambers and treatment of diving and non-diving related accidents. Hands-on practice utilizing department's recompression chamber facility is the focus of laboratory activities.

**MDT 108 Rigging (1 Unit)**
Corequisites: MDT 101.
Hours: 40 (8 lecture, 32 lab)
Introduction to and practical application of basic rigging techniques, including knots, splices, block and tackle, and marlin spike seapersonship.
Transfer Information: CSU Transferable

**MDT 109 Seamanship and Small Boat Handling (1.5 Unit)**
Corequisites: MDT 101.
Hours: 48 (16 lecture, 32 lab)
Modular study and application of small boat handling, maritime rules of the road and navigational principles and practices.

**MDT 111 First Aid For The Diving Professional (1.4 Unit)**
Corequisites: MDT 101.
Hours: 24 (24 lecture)
Concurrent Modular certification program in oxygen administration, first aid for hazardous marine life injuries, CPR and AED use, with emphasis as a first responder to diving-related accidents. Certification available through appropriate agencies, which include American Red Cross and the Divers Alert Network (DAN).
Transfer Information: CSU Transferable, UC Transferable

**MDT 112 Introduction To Marine Welding (1.1 Unit)**
Corequisites: MDT 101.
Hours: 40 (8 lecture, 32 lab)
Concurrent Introductory module on the theory, practical application and procedures of cutting and welding in the topside environment. Skills are acquired and developed in welding shop environment. Prepares students for MDT 145 which is taught in the welding booth and underwater training tank.
Transfer Information: CSU Transferable

**MDT 140 Principles Of Surface-Supplied Diving (1 Unit)**
Corequisites: MDT 105.
Limitations on Enrollment: Must be a certified diver by a nationally recognized scuba diving agency.
Hours: 40 (8 lecture, 32 lab)
Introductory module which exposes students to the various types of diving apparatus and procedures in confined water training tanks. Emphasis on tending, dress-in and operational procedures which parallel a surface-supplied diving operation.
Transfer Information: CSU Transferable

**MDT 141 Commercial Diving Equipment (1.5 Unit)**
Corequisites: MDT 101.
Hours: 48 (16 lecture, 32 lab)
Course presents principles of operation and maintenance as applied to diesel engines, diving compressors and pneumatic tools. Particular emphasis placed upon identification of the various fittings used in an industrial environment. In addition, the maintenance and repair practices and procedures relating to surface-supplied diving head gear and diving umbilicals are presented and applied.
Transfer Information: CSU Transferable

**MDT 142 Surface-Supplied Ocean Diving (1.8 Unit)**
Prerequisites: MDT 140, MDT 141.
Hours: 60 (16 lecture, 44 lab)
Study and practical application of advanced tethered diving working procedures and operational theory. Particular emphasis is placed on charting dive profiles, computing decompression schedules and organizing field operations. All lab activities conducted in open sea environments which simulate actual working conditions likely to be encountered in commercial diving.
Transfer Information: CSU Transferable

**MDT 143 Mixed Gas Diving (1.1 Unit)**
Corequisites: MDT 142.
Hours: 44 (8 lecture, 36 lab)
Concurrent Advanced modular study of the physics and application of specialized gas mixtures, gas diving apparatus, decompression tables and, operational procedures.
Transfer Information: CSU Transferable

**MDT 145 Principles Of Underwater Cutting And Welding (1 Unit)**
Corequisites: MDT 112 and MDT 140.
Hours: 40 (8 lecture, 32 lab)
Introductory module on the theory, practical application, and procedures of welding and burning in the underwater environment. Skills are acquired and developed in a wet diving training tank. Prepares students for advanced techniques which are applied in the open sea environment.
Transfer Information: CSU Transferable

**MDT 146 Advanced Underwater Cutting And Welding (1.5 Unit)**
Corequisites: MDT 142, MDT 145.
Hours: 48 (16 lecture, 32 lab)
Concurrent Advanced practical application in the use of underwater cutting and welding techniques in the ocean and open water environments. Students utilize foundational techniques in advanced surface-supplied ocean diving to perform a multitude of individual and team projects.
Transfer Information: CSU Transferable

**MDT 147 Ocean Structures (0.5 Units)**
Hours: 8 (8 lecture)
Modular study of ocean structures likely to be encountered in the marine industry. Focuses on nomenclature and types and construction of offshore platforms, pipelines and other subsea structures.
Transfer Information: CSU Transferable

**MDT 148 Hydraulics I (0.7 Units)**
Corequisites: MDT 101.
Hours: 24 (8 lecture, 16 lab)
Concurrent Study of industrial fluid power mechanics, with a practical laboratory component, as related to marine equipment. Emphasis placed upon schematic design, interpretation, and the role of hydraulic equipment and control systems as applied to sub-sea work systems, tools and work class remotely-operated vehicles.
Transfer Information: CSU Transferable

**MDT 152 Underwater Tools And Inspection (1.7 Unit)**
Prerequisites: MDT 140.
Hours: 60 (16 lecture, 44 lab)
Study of techniques and tools used to collect data and perform inspection work in underwater environments. Students use a variety of equipment in hands-on application, including subsea video cameras, ultrasonic equipment, and other non-destructive testing devices. Students apply advanced diving skills in assembling and disassembling various underwater projects in an open sea environment.
Transfer Information: CSU Transferable

**MDT 154 Bell And Saturation Diving Procedures (1.7 Unit)**
Corequisites: MDT 143.
Hours: 60 (16 lecture, 44 lab)
Concurrent Intensive exposure to saturation diving theory, and a practical application of skills in bell/saturation diving. Practical training in bell and saturation diving operations, equipment and procedures. Culminates with the performance of a round-the-clock saturation diving run in the department's saturation diving complex.
Transfer Information: CSU Transferable

**MDT 179 Nitrox Diving (0.8 Units)**
Prerequisites: MDT 101, MDT 105.
Hours: 20 (8 lecture, 12 lab)
Modular study of EANx NITROX mixtures used in diving. Two optional open water dives may be made upon successful completion of classroom portion. Certification through the International Association of NITROX and Technical Divers (IANTD) as a NITROX diver is available upon completion of the entire course.
Transfer Information: CSU Transferable

**MDT 190 Assessment And Development Of Diving Competence (1 Unit)**
Hours: 18 (18 lecture)
Introductory module designed to enhance student knowledge of diverse employment opportunities in field of commercial diving. Bureau of Ocean Energy Management, Regulation and Enforcement mandated orientation and safety training.

# Marketing (MKT)
## Credit Courses

**MKT 101 Introduction to Marketing (3 Units)**
Hours: 54 (54 lecture)
Examines the critical role of marketing in customer-driven marketplaces. Topics covered include marketing research, customer-driven marketing, marketing strategies for profit businesses, as well as not-for-profit businesses and institutions. Includes advertising as well as the many other elements of promotion. Course material is reinforced with the use of marketing computer simulation.
Transfer Information: CSU Transferable

**MKT 120 Relationship Selling (3 Units)**
Hours: 54 (54 lecture)
Theories, principles and techniques of creating relationships within the process of selling. Study areas include application of current theories within the fields of psychology and technology for obtaining increased buyer-seller relationship utility in the marketplace.
Transfer Information: CSU Transferable

**MKT 125 Principles Of Customer Service (3 Units)**
Hours: 54 (54 lecture)
Introduction to the theories, principles and practices of customer service. Analysis of creating complementary relationships that focus on participatory partnering and reciprocity conducted.
Transfer Information: CSU Transferable

**MKT 135 Public Relations (3 Units)**
Same as: JOUR 135
Skills Advisories: Eligibility for English 110 or English 110H.
Hours: 54 (54 lecture)
Survey of public relations history, theories and practices, focusing on applications to business, public and nonprofit agencies and institutions. Practical approach to using the media, creating press releases, organizing and executing campaigns, and promoting favorable relations with various segments of the public.
Transfer Information: CSU Transferable

**MKT 164 Online and Mobile Marketing (3 Units)**
Same as: MAT 164
Hours: 54 (54 lecture)
Introduction to those components needed to develop effective online and search engine marketing (SEM) strategies. Emerging digital media and mobile advertising campaigns are emphasized. Includes search engine optimization (SEO), paid placement ads, keyword identification, placement strategies, SEM research and management tools, and WAP advertising applications in mobile marketing and video advertising.
Transfer Information: CSU Transferable

**MKT 200A Social Media and Self-Branding (3 Units)**
Hours: 54 (54 lecture)
Social Media and self-branding are critical to organizational success in real and digital marketing exchanges. Using social media to convert potential customers into advocates or users.
Transfer Information: CSU Transferable

**MKT 201A Marketing Strategy and Positioning (3 Units)**
Hours: 54 (54 lecture)
Understand customer and product profitability and how to position your firm and product for growth. Takes an in-depth look at pricing, competitive dynamics, comparative advantage and how to integrate marketing strategy into your overall plan. Understand customer and product profitability and how to position your firm and product for growth.
Transfer Information: CSU Transferable

**MKT 203 Marketing Communications (3 Units)**
Hours: 54 (54 lecture)
Study of how businesses use marketing to communicate through traditional advertising, digital marketing and public relations. Topics include identifying target markets, selecting types of media, evaluating and developing ads and implementation of public relations programs.
Transfer Information: CSU Transferable

**MKT 205 Consumer Selling Strategies (3 Units)**
Hours: 54 (54 lecture)
Study of the principles of sales and customer service. Examines how the differences between buyers and sellers impact sales, purchasing and service decisions. Also briefly reviews the use of marketing research methods.
Transfer Information: CSU Transferable

**MKT 209 International Marketing (3 Units)**
Course Advisories: MKT 101.
Hours: 54 (54 lecture)
Theory and practice of marketing on an international scale. Presents information on the global nature of the marketing process and its impact on the effectiveness of firms entering a different market. Special emphasis is placed on economic and business systems throughout the world. Provides information about the Pacific Rim and EC markets and their development.
Transfer Information: CSU Transferable

**MKT 212 Supply Chain Logistics (3 Units)**
Hours: 54 (54 lecture)
The key elements of international logistics, including definitions, regulations, documentations, transportation, warehousing and pricing, as well as emerging issues of the industry in today's economy. Includes practical exercises and lectures.
Transfer Information: CSU Transferable

**MKT 215 Segmentation and Target Marketing (3 Units)**
Course Advisories: MKT 101.
Hours: 54 (54 lecture)
Demographics and target marketing are the fundamental concepts by which all ideas begin their developmental process on there way to market launch. Understanding the components of demographics, psychographics, geographics, and benefit segmentation have, through technology, allowed all size target markets to potentially be served and profitability to be achievable.
Transfer Information: CSU Transferable

**MKT 220 Introduction to Electronic Commerce (3 Units)**
Same as: CIS 220
Hours: 54 (54 lecture)
Survey of electronic commerce and the use of the Internet to conduct business. Includes an interdisciplinary exploration of the issues, trends, opportunities and technologies which shape electronic commerce.
Transfer Information: CSU Transferable

**MKT 221 Tourism and Hospitality Marketing (3 Units)**
Hours: 54 (54 lecture)
Examines the field of marketing in the global tourism and hospitality industries. Provides students with a broad understanding of planing, organizing, leading and implementing marketing strategies. Topics covered include examination of tourism management and marketing concepts involving strategic planning, decision making, organizational planning, social responsibility and diversity in a global marketplace.
Transfer Information: CSU Transferable

**MKT 223 Digital Destination Marketing (3 Units)**
Hours: 54 (54 lecture)
Examines the specific role of digital marketing in a global customer driven economic space. Topics covered include general marketing communication concepts, social media marketing, e-commerce, and consumer selling strategies. Special topics include digitization practices for the tourism industry and maximizing customer relationships.
Transfer Information: CSU Transferable

**MKT 225 Strategic Positioning in Global Tourism (3 Units)**
Hours: 54 (54 lecture)
Explores current strategies leveraged by physical and digital based tourism companies. Examines the impact of various strategies in a global customer driven economic space. Topics covered include S.W.O.T. analysis, customer relationship management, innovative tourism strategies, experiential tourism and sustainable tourism.
Transfer Information: CSU Transferable

# Mathematics (MATH)

Credit Courses

**MATH 074 Pre-algebra Refresher (1 Unit)**
Hours: 18 (18 lecture)
Pre-algebra refresher for students who desire higher placement; students who've completed Math 004 but need review; or those who have attempted Math 95 and need pre-algebra review. Successful completion of this course may serve as a petition to challenge Math 4. Course does not replace a failing grade in Math 4.

**MATH 077 Support for Intermediate Algebra (2 Units)**
Prerequisites: Placement by SBCC assessment through multiple measures.
Corequisites: MATH 107.
Hours: 36 (36 lecture)
Concurrent A review of core prerequisite skills, competencies and concepts for intermediate algebra. Intended for students who are concurrently enrolled in Math 107 Intermediate Algebra. Review topics include skills developed in pre-algebra and elementary algebra, operations on integers and fractions, simplifying and manipulating algebraic expressions, solving simple linear equations, applying basic geometric formulas, translation from English to algebra, and using the vocabulary/language of arithmetic and pre-algebra.
Transfer Information: Extrnl - Not Degree Applicable

**MATH 087 Intermediate Algebra Refresher (1 Unit)**
Hours: 18 (18 lecture)
Intermediate algebra refresher for students who desire higher placement; students who have completed Math 107 but need review; or those who have attempted Math 120 and need review. Successful completion of this course may serve as a petition to challenge Math 107. Course does not replace a failing grade in Math 107.

**MATH 095 Elementary Algebra (5 Units)**
Prerequisites: MATH 004 or MATH 041 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 90 (90 lecture)
Beginning algebra, similar to a standard first-year high school algebra course. Includes a review of signed numbers and their properties, equations and inequalities in one variable, graphing linear equations, systems in two variables, integer exponents, rational and polynomial expressions, quadratic equations, the quadratic formula and graphing parabolas.

**MATH 107 Intermediate Algebra (5 Units)**
Prerequisites: MATH 095 or MATH 007C or or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 90 (90 lecture)
Second course in algebra, including algebraic manipulation of polynomials, rational expressions, exponents, radicals, linear equations, ratio and proportion, inequalities, word problems, quadratic equations, systems of linear and quadratic equations. An introduction to functions and nonlinear equations. Exponential and logarithmic functions and their applications.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1

**MATH 108 Mathematical Concepts for Elementary School Teachers-Number Systems (4 Units)**
Prerequisites: MATH 107 or equivalent, based on SBCC's Assessment Center placement via multiple measures.
Hours: 72 (72 lecture)
Recommended for prospective and in-service elementary school teachers. Mathematical investigations and problem solving involving sets, number sense, integers, and rational and real numbers.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, CSU Transferable, UC Transferable

**MATH 110C Support for Statistics and Liberal Arts Math (2 Units)**
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Corequisites: MATH 117 or MATH 114 or MATH 108.
Hours: 36 (36 lecture)
Concurrent A review of core prerequisite skills, competencies and concepts for elementary statistics and liberal arts mathematics. Intended for students who are concurrently enrolled in Math 117 Elementary Statistics, Math 114 Mathematics for Liberal Arts Majors, or Math 108 Mathematics for Elementary Teachers at Santa Barbara City College. Review topics include skills developed in elementary algebra and intermediate algebra, translation from English to algebra, evaluation of literal expressions, solving and graphing linear equations and calculator skills.
SBCC General Education: SBCCGE Area E1

**MATH 114 Mathematics for Liberal Arts Majors (4 Units)**
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 72 (72 lecture)
Intended to broaden students' understanding of methods, history and applications of mathematics. Logic, mathematical proofs, numeration systems, modular arithmetic, coordinate geometry and graphing, elementary probability and statistics, linear programming and financial math.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 117 Elementary Statistics (4 Units)**
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 72 (72 lecture)
General education mathematics course. Introduction to design of experiments, descriptive statistics and sampling distributions. Central Limit Theorem, statistical inference, confidence interval estimation, tests of hypotheses, correlation and linear regression, categorical variables, Chi-square, one-way ANOVA, and multiple comparisons procedure.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 117A Elementary Statistics A (2 Units)**
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 36 (36 lecture)
MATH 117A is the first part of a two course sequence of a general education mathematics course in statistics. Taken together, MATH 117A and MATH 117B are collectively equivalent to MATH 117, Elementary Statistics. Topics in this course include introduction to design of experiments, descriptive statistics, types of data, introductory probability and sampling distributions. Emphasis is placed on the application of statistical concepts to real world data, development of statistical literacy and reasoning, and the interpretation of results.
SBCC General Education: SBCCGE Area E1
Transfer Information: CSU Transferable, UC Transferable

**MATH 117B Elementary Statistics B (2 Units)**
Prerequisites: MATH 117A.
Hours: 36 (36 lecture)
MATH 117B is the second part of a two course sequence of a general education mathematics course in statistics. Taken together, MATH 117A and MATH 117B are collectively equivalent to MATH 117, Elementary Statistics. Topics include sampling distributions, Central Limit Theorem, statistical inference, confidence interval estimation, tests of hypotheses, correlation and linear regression, Chi-square, one-way ANOVA, and multiple comparisons procedure. Emphasis is placed on the application of statistical concepts to real world data, development of statistical literacy and reasoning, and the interpretation of results.
Transfer Information: CSU Transferable

**MATH 118 Data Science for All (4 Units)**
Same as: CS 118
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 108 (54 lecture, 54 lab)
Introduction to data science using real-world data sets from a variety of disciplines while also presenting inherent uncertainties and issues associated with exploring data. Exposes students to foundational statistical concepts and inferential thinking by learning computation methods in a commonly used programming language such as Python.
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 130 Calculus for Biological Sciences, Social Sciences and Business I (5 Units)**
Prerequisites: MATH 137 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 90 (90 lecture)
Calculus of one variable, limits, continuity, differentiation, Riemann approximations, definite and indefinite integrals; introduction to integration techniques, exponential and logarithmic functions, curve-sketching, maxima/minima problems, and related rates and applications.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 130C Support for Calculus for Biological Sciences, Social Sciences and Business I (2 Units)**
Prerequisites: Placement by SBCC assessment through multiple measures or.
Corequisites: MATH 130.
Hours: 36 (36 lecture)
Concurrent A review of core prerequisite skills, competencies and advanced algebra concepts for calculus. Intended for students who are concurrently enrolled in Math 130 Calculus for Biological Sciences, Social Sciences and Business I at Santa Barbara City College. Review topics include skills developed in college algebra, with an emphasis on refining skills in algebraic manipulation, functions and geometry.
Transfer Information: CSU Transferable

**MATH 131 Calculus For Biological Sciences, Social Sciences And Business II (3 Units)**
Prerequisites: MATH 130.
Course Advisories: ENG 098 or ENG 103.
Hours: 54 (54 lecture)
Techniques of integration for single and multivariable calculus, functions of several variables, partial differentiation, maxima/minima problems, differential equations, and probability. Optional topics: infinite series, Taylor's Theorem and the calculus of trigonometric functions.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 137 College Algebra (5 Units)**
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 90 (90 lecture)
Extensive treatment of functions and graphing techniques, including translations, symmetries, reflections, and graphs of inverse functions. Analysis and applications of polynomial, rational, absolute value, exponential and logarithmic functions. Systems of equations and inequalities, conics, and sequences and series.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 137C Support for College Algebra (2 Units)**
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Corequisites: MATH 137.
Hours: 36 (36 lecture)
Concurrent A review of core prerequisite skills, competencies, and concepts for college algebra. Intended for students who are concurrently enrolled in Math 137 College Algebra at Santa Barbara City College. Review topics include skills developed in elementary algebra and intermediate algebra, with an emphasis on refining skills in algebraic manipulation and simplification of linear, quadratic, polynomial, radical, and rational expressions, functions and graphing.
SBCC General Education: SBCCGE Area E1

**MATH 138 Precalculus - College Algebra and Trigonometry (4 Units)**
Prerequisites: MATH 137 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 72 (72 lecture)
Advanced algebra course emphasizing analysis, graphing and applications of trigonometric functions. Such functions are developed from circular functions. Trigonometric identities and conditional equations, applications to triangles, vectors, complex numbers, parametric equations and polar coordinates are covered. Additional topics include matrix algebra, logic and structure of proof, and the Binomial Theorem.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 138C Support for Precalculus (2 Units)**
Prerequisites: Placement by SBCC assessment through multiple measures or MATH 120.
Corequisites: MATH 138.
Hours: 36 (36 lecture)
Concurrent A review of core prerequisite skills, competencies and advanced concepts for precalculus. Intended for students who are concurrently enrolled in Math 138 Precalculus II at Santa Barbara City College. Review topics include skills developed in college algebra, with an emphasis on refining skills in algebraic manipulation, functions and geometry.
Transfer Information: CSU Transferable

**MATH 149 Precalculus for STEM Majors (6 Units)**
Prerequisites: MATH 107 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 108 (108 lecture)
Preparation for SBCC's STEM Calculus sequence Math 150, followed by Math 160. Topics include the study of polynomial, absolute value, radical, rational, exponential, and logarithmic functions, analytic geometry, and polar coordinates. The study of trigonometric functions, their inverses and their graphs, identities, and proofs related to trigonometric expressions, solving trigonometric equations, solving right triangles, and solving triangles using the Law of Cosines and the Law of Sines will also be covered, as well as an introduction to conics.
Transfer Information: CSU Transferable

**MATH 150 Calculus with Analytic Geometry I (5 Units)**
Prerequisites: MATH 138 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 90 (90 lecture)
Limits, derivatives and integrals of algebraic, trigonometric, exponential and logarithmic functions. Differentials and applications of the derivative.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 150C Support Course for Calculus with Analytic Geometry I (2 Units)**
Prerequisites: placement by SBCC assessment through multiple measures or MATH 138.
Corequisites: MATH 150.
Hours: 36 (36 lecture)
Concurrent A review of core prerequisite skills, competencies and advanced algebra concepts for calculus. Intended for students who are concurrently enrolled in Math 150 Calculus with Analytic Geometry I at Santa Barbara City College. Review topics include skills developed in college algebra and precalculus, with an emphasis on refining skills in algebraic manipulation, functions, trigonometry and geometry.
Transfer Information: CSU Transferable

**MATH 160 Calculus with Analytic Geometry II (5 Units)**
Prerequisites: MATH 150.
Hours: 90 (90 lecture)
Techniques of integration; applications of definite integrals; polar and parametric equations; sequences and infinite series; introduction to differential equations and to vectors.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 160C Support Course for Calculus with Analytic Geometry II (2 Units)**
Corequisites: MATH 160.
Hours: 36 (36 lecture)
Concurrent A review of core prerequisite skills, competencies, advanced algebra and beginning calculus concepts for second semester calculus. Intended for students who are concurrently enrolled in Math 160 Calculus with Analytic Geometry II at Santa Barbara City College. Review topics include skills developed in college algebra, precalculus, and first-semester calculus, with an emphasis on refining skills in algebraic manipulation, functions, trigonometry, proofs, limits and differentiation.
Transfer Information: CSU Transferable

**MATH 180 Transition to Advanced Mathematics (4 Units)**
Prerequisites: MATH 160.
Hours: 72 (72 lecture)
Designed to introduce students to the rigors of advanced mathematics courses, with an emphasis on reading and writing proofs. Topics include set theory and logic, relations, functions, induction, countable and uncountable sets, the Heine-Borel Theorem and the Bolzano-Weierstrass Theorem. Some elementary group theory and/or topology is covered.
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 188 Trigonometry Refresher (1 Unit)**
Hours: 18 (18 lecture)
This short course is intended for students who wish to review trigonometry topics before or while taking Calculus or higher courses. A computer program is used to refresh concepts identified as needed for each student, plus weekly contact with the instructor. This course is not intended to replace Math 138.

**MATH 200 Multivariable Calculus (4 Units)**
Prerequisites: MATH 160.
Hours: 72 (72 lecture)
Functions of several variables, multiple integrals and applications, partial differentiation and applications, calculus of vector functions, Green's Theorem, Stokes' Theorem, and Divergence Theorem.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 210 Linear Algebra (4 Units)**
Prerequisites: Math 160.
Hours: 72 (72 lecture)
Finite dimensional vector spaces, linear independence, basis, systems of linear equations, linear transformations, matrices, LU factorization, change of basis, similarity of matrices, eigenvalues and eigenvectors, applications, quadratic forms, symmetric and orthogonal matrices, canonical forms, and introduction to infinite dimensional vector spaces.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**MATH 220 Differential Equations (4 Units)**
Prerequisites: Math 200 and Math 210.
Hours: 72 (72 lecture)
Theory and applications of ordinary and partial differential equations. Topics include constant coefficient equations, series techniques, introduction to Laplace Transforms, qualitative and quantitative solutions to linear and nonlinear systems of differential equations, and separable partial differential equations.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

# Multimedia Arts and Technologies (MAT)
## Credit Courses

**MAT 103 Introduction to Multimedia (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Provides a comprehensive look at the concepts and principles of digital media and computer graphics, and the consequences and influences in our current world. Elements of sensorial perception, psychology and narrative regarding media will be explored. Analysis of photography, film, animation, video and gaming, regarding elements of linear and interactive structures including history, aesthetics, and their cultural significance.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**MAT 105 Survey Of Multimedia Tools (3 Units)**
Course Advisories: MAT 103.
Hours: 90 (36 lecture, 54 lab)
Overview of tools and applications used to produce interactive multimedia, including software applications, peripherals and hardware. Major applications for design, photo processing, web design, authoring and video. Evaluation and description of the strengths of each program and potential for integration of production applications.
Transfer Information: CSU Transferable

**MAT 109 Informational Graphics for the Web (0.5 Units)**
Hours: 9 (9 lecture)
Overview of how to create and publish on the web; informational graphics, with typical office applications (MS Word, Excel, PowerPoint, FileMaker, etc.).

**MAT 112 Digital Drawing (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to digital drawing through the powerful art tool Adobe Illustrator. Create vector-based artwork that translates well to other graphic software and media. Create icons, characters, illustrations, interface elements and patterns. Work with type, native 2D shapes, 3D effects and vectorized bitmaps.
Transfer Information: CSU Transferable, UC Transferable

**MAT 116 Interactive Design I (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to principles of Interactivity through the production of projects that use animation, interactive storytelling, interface design and responsive maps. Students learn to structure non-linear content and are exposed to principles of user experience, working with a variety of graphic and audio assets.
Transfer Information: CSU Transferable, UC Transferable

**MAT 118 2-D Animation techniques (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Students will develop stronger skills in 2-D digital Animation. We will work with timing, storytelling, audio syncing, stop-motion, rotoscope and matting techniques. We will explore and recognize styles and techniques, incorporate both vector-based and bitmap graphics, and integrate photographic and video material.
Transfer Information: CSU Transferable, UC Transferable

**MAT 121 Computer Interface Design (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Building Graphic user-interfaces (GUI) through the principles of computer interaction: window, icon, menu and mouse activity. Strategies to organize information on an interactive screen. Case Studies: Computer, Web and Mobile devices/Apps. Behavior, Usability(UX)and basic Prototyping. Good digital graphic-skills required.
Transfer Information: CSU Transferable, UC Transferable

**MAT 131 Digital Imaging I (3 Units)**
Hours: 90 (36 lecture, 54 lab)
An introduction to the image processing capabilities of PhotoShop to create and edit images and to prepare images for various media. No prior knowledge of PhotoShop is required. Includes Tools Selection, Channels, Layers, Filters, Text, Brushes, Effects, Masks, Adjustment Layers.
Transfer Information: CSU Transferable, UC Transferable

**MAT 132 Digital Imaging II (3 Units)**
Course Advisories: MAT 131 and 112.
Hours: 90 (36 lecture, 54 lab)
Advanced Photoshop course building on skills presented in MAT 131. Students work on projects that challenge their creativity and technical ability, and develop complex commercial and surreal projects working with image manipulation software.
Transfer Information: CSU Transferable, UC Transferable

**MAT 134A Classical Animation I (3 Units)**
Course Advisories: ART 120.
Hours: 90 (36 lecture, 54 lab)
Basic principles of animation studied through drawing and other media. Includes analytical understanding and depiction of movement of things and natural life forms in the real world.
Transfer Information: CSU Transferable, UC Transferable

**MAT 134B Classical Animation II (3 Units)**
Prerequisites: ART 124A, MAT 134A.
Course Advisories: ART 120.
Hours: 90 (36 lecture, 54 lab)
Further study and application of animation principles through drawing, with emphasis on character development, timing, action analysis, complex movement and the filmmaking process.
Transfer Information: CSU Transferable, UC Transferable

**MAT 136 Introduction to 3D Animation (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Fundamentals of 3D animation including modeling, animation and rendering. Focuses on computer animation tools and techniques, and builds a solid foundation for developing character animation and special effect sequences.
Transfer Information: CSU Transferable, UC Transferable

**MAT 137 Visual Effects for Film, Television and Gaming (3 Units)**
Prerequisites: DRFT 136/MAT 136.
Hours: 90 (36 lecture, 54 lab)
Course on visual effects using 3-D and Compositing software to complete the scene production. Utilizing particles, rigid-bodies and soft bodies, students apply techniques for creating natural phenomena, such as waterfalls and blowing leaves. Also explored are methods for simulating physical interactions, such as a chair falling down a staircase.
Transfer Information: CSU Transferable, UC Transferable

**MAT 138 3-D Character Animation (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Advanced 3-D computer animation course on character animation, including character design, modeling techniques for bodies, heads, hands and feet, skeletal and muscle systems, facial animation and lip-syncing to dialogue.
Transfer Information: CSU Transferable, UC Transferable

**MAT 139 3-D Lighting And Rendering (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Advanced 3-D computer animation course on the art and science of lighting and rendering. Techniques for creating photo-realistic computer-generated imagery explored, including lighting, shadowing, texture mapping and shader manipulation.
Transfer Information: CSU Transferable, UC Transferable

**MAT 141 3-D Modeling (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Fundamentals of 3-D modeling, texturing, lighting and rendering. Focus on 3-D modeling tools and techniques. Builds a solid foundation for designing and modeling products, characters, sets and props for animation, product advertisements, movies and video games.
Transfer Information: CSU Transferable, UC Transferable

**MAT 145 Video Game Design (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to the design and development of video games. Focuses on the elements that make computer games compelling and the basics of game mechanics and environments to their stories and social experiences. Covers industry workflow from theories and practices to a hands-on AAA game engine. No programming experience is necessary.
Transfer Information: CSU Transferable, UC Transferable

**MAT 149 Social Networking and Social Media (3 Units)**
Hours: 54 (54 lecture)
The use and creation of media content in developing, integrating and leveraging social networks and applications. Through integration of a variety of social networking applications, students learn about how the creation of media content helps to establish network and communities of shared professional and personal interests. Includes online applications Wikis, Youtube, Vimeo, Flickr, Myspace, Facebook, Digg, etc., and their use as media-oriented platforms.
Transfer Information: CSU Transferable

**MAT 153 Web Design I (3 Units)**
Course Advisories: Art 140.
Hours: 90 (36 lecture, 54 lab)
Students focus on design principles, including: usability, color, layout, fonts, negative space, image quality and placement. Students learn: designing with grids, designing for different screen environments, sizing and optimizing photos. Proficiency in Photoshop required.
Transfer Information: CSU Transferable

**MAT 154 Web Design II: Integration (3 Units)**
Prerequisites: MAT 153.
Hours: 90 (36 lecture, 54 lab)
Students create a web site from scratch using HTML5, CSS3 & jQuery. You will learn how to employ bootstrap, responsive design, custom Wordpress themes, PHP contact forms, and organic Search Engine Optimization. Requires proficiency in Photoshop.
Transfer Information: CSU Transferable, UC Transferable

**MAT 164 Online and Mobile Marketing (3 Units)**
Same as: MKT 164
Hours: 54 (54 lecture)
Introduction to those components needed to develop effective online and search engine marketing (SEM) strategies. Emerging digital media and mobile advertising campaigns are emphasized. Includes search engine optimization (SEO), paid placement ads, keyword identification, placement strategies, SEM research and management tools, and WAP advertising applications in mobile marketing and video advertising.
Transfer Information: CSU Transferable

**MAT 167 3-D Environments Design (3 Units)**
Course Advisories: MAT 136, MAT 141, MAT 145.
Hours: 90 (36 lecture, 54 lab)
Introduction to the design and creation of a 3D environment for a game or visualization. Students practice with techniques and workflow towards the creation of 3D assets, and bring them into a modern rendering engine, to create there the Environments or worlds where the project will take place. Students complete a 3D portfolio piece from their own inspiration.
Transfer Information: CSU Transferable, UC Transferable

**MAT 168 Serious Game Prototyping (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Prototyping games for virtual reality, simulations, education and marketing. Topics include game play, game-based learning, game concept development and game prototyping. Students explore game prototyping through hands-on projects.
Transfer Information: CSU Transferable

**MAT 205 Portfolio Development (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Guides students as they develop and refine media pieces towards the personal online portfolio that they will need for job interviews, freelance work and transferring to other institutions. Assignments will help students define their strengths and present their skills through projects in a compelling way, showcasing: animation, motion graphics, interactive prototypes (UI and UX), concept art or character design in accessible online formats. Online presence, resumes, and demo reels are covered.
Transfer Information: CSU Transferable

**MAT 216 Interactive Design II - Simple Games (3 Units)**
Prerequisites: MAT 116.
Hours: 90 (36 lecture, 54 lab)
Students further develop skills in interactive production by prototyping projects like simple games and apps. They work on interactive environments to develop portfolio pieces and discover, first hand, about issues in user experience.
Transfer Information: CSU Transferable, UC Transferable

**MAT 290 Work Experience In Multimedia (1-4 Units)**
Hours: 300 (300 lab)
Supervised employment of students with the intent of creating student awareness of work opportunities, assisting them to acquire desirable work habits, and providing them with experiences in multimedia and related industries. Students perform assigned responsibilities as an employee, follow employer's policies, write individual learning objectives, keep a record of time worked, fill out a student data sheet, and secure an employee evaluation. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Music (MUS)
## Credit Courses

**MUS 100 Fundamentals Of Music Techniques (3 Units)**
Hours: 54 (54 lecture)
An introduction to the notation and fundamental theoretical elements of Western music, demonstrated through a variety of styles, covering: pitch and rhythm concepts and structures, basic formal elements, and fundamental musicianship. Development of skills in handwritten notation is expected. In addition, interpreting music, written and aurally, with regard to its broad historical and cultural context will be covered, and critiquing different musical genres and styles in order to make aesthetic judgments about them by applying criteria from the knowledge and principles of music theory learned in class.
Transfer Information: CSU Transferable, UC Transferable

**MUS 102A Basic Musicianship (3 Units)**
Corequisites: MUS 104A.
Hours: 54 (54 lecture)
This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory I through ear training, sight singing, analysis, and dictation. Music majors only; non-majors, see MUS 100.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**MUS 102B Basic Musicianship (2.5 Units)**
Prerequisites: MUS 102A.
Corequisites: MUS 104B.
Hours: 45 (45 lecture)
Musicianship fundamentals for college freshmen or sophomores. Beginning aural and dictation skills are developed to allow the student to solve practical as well as theoretical musical problems. Music majors only; non-majors, see MUS 100.
Transfer Information: CSU Transferable, UC Transferable

**MUS 104A Beginning Theory (3 Units)**
Corequisites: MUS 102A.
Hours: 54 (54 lecture)
Intervals, keys, scales, chord structure and relationship of diatonic harmonies and non-chordal tones and cadences, harmonization of melodies. Music majors only; non-majors see MUS 100.
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**MUS 104B Beginning Theory (3 Units)**
Prerequisites: MUS 104A.
Corequisites: MUS 102B.
Hours: 54 (54 lecture)
This course incorporates the concepts from Music Theory I. Through guided composition and analysis, the course will include fundamental two voice contrapuntal principles and chromatic chord functions and voice-leading. Music majors only; non-majors see MUS 100.
Transfer Information: CSU Transferable, UC Transferable

**MUS 110 Music Appreciation (3 Units)**
Hours: 54 (54 lecture)
A survey of art music in western civilization. Topics studied include but are not limited to elements of music, basic musical forms, music periods, styles, and the role of music and musicians in the western world from Medieval through contemporary periods. Guided listening to masterpieces. Concert attendance. Primarily for non-Music majors.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**MUS 112 History of Jazz (3 Units)**
Hours: 54 (54 lecture)
Study of the history of Jazz. The important composers, musicians, and stylistic developments of the music will be covered.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**MUS 114A Survey of Music History (3 Units)**
Hours: 54 (54 lecture)
Survey of music history and literature from antiquity to 1750, including cultural, intellectual and social influences which provides an in-depth examination of the development of Western European music through analysis and synthesizing of historical details and stylistic elements of the musical trends of the era.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**MUS 114B Survey of Music History (3 Units)**
Hours: 54 (54 lecture)
Survey of music history and literature from 1750 to the present, including cultural, intellectual and social influences which provides an in-depth examination of the development of Western European music through analysis and synthesizing of historical details and stylistic elements of the musical trends of the era.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**MUS 115 History And Appreciation Of Rock And Popular Music (3 Units)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
General survey of rock and popular music, concentrating on the period from the late 1940s to the late 1990s. (Primarily for non-Music majors).
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**MUS 118 World Music (3 Units)**
Hours: 54 (54 lecture)
Survey of world music traditions, including the style and performance practice of various cultures and the resulting social, cultural and historical role of the music and musicians.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**MUS 120A Sound Recording And Electronic Music (3 Units)**
Hours: 54 (54 lecture)
This introductory course examines the terminology, equipment, techniques, and concepts related to music technology. The course will survey the principles and practices of sound, MIDI, synthesis, notation, and audio recording utilizing hardware and software platforms.
Transfer Information: CSUGE Area C1, CSU Transferable

**MUS 120B Sound Recording And Electronic Music (3 Units)**
Prerequisites: MUS 120A.
Hours: 54 (54 lecture)
Intermediate-level continuation, with emphasis on composition/analysis.
Transfer Information: CSU Transferable

**MUS 122 Home Studio Recording with Logic (3 Units)**
Course Advisories: MUS 100.
Hours: 54 (54 lecture)
Introduction to the basic techniques of computer- based composition, notation, digital audio editing and encoding techniques for musicians. Recommended for Music majors.
Transfer Information: CSU Transferable

**MUS 123 Business of Music (3 Units)**
Hours: 54 (54 lecture)
Designed to give students information on all aspects of the business of music, including entrepreneurial opportunities, management and promotion skills, basic elements of copyright, publishing, and management contract laws.
Transfer Information: CSU Transferable

**MUS 128A Songwriting I (3 Units)**
Hours: 54 (54 lecture)
Study of the skills and techniques of popular song writing in a variety of genres. Topics include lyrics, song structures, chord progressions, melodies, and analysis of popular songs.
Transfer Information: CSU Transferable

**MUS 128B Songwriting II (3 Units)**
Hours: 54 (54 lecture)
Study and practice of the skills and techniques of popular song writing in a variety of genres. Second semester includes more commercial applications for advertising, writing for instruments and arranging.
Transfer Information: CSU Transferable

**MUS 129A Intermediate Songwriting I (3 Units)**
Hours: 54 (54 lecture)
Continued study and practice of the skills and techniques of popular song writing in a variety of genres. Emphasis on commercial applications for advertising, writing for instruments and arranging.
Transfer Information: CSU Transferable

**MUS 129B Intermediate Songwriting II (3 Units)**
Hours: 54 (54 lecture)
Commercial applications including songwriting for advertising, writing for instruments, and arranging.
Transfer Information: CSU Transferable

**MUS 132A Summer Jazz Seminar (3 Units)**
Hours: 72 (45 lecture, 27 lab)
Exploratory courses in jazz designed to supplement regular college and school programs with training in the areas of instrumental jazz performance. Open to students performing on jazz instruments.
Transfer Information: CSU Transferable, UC Transferable

**MUS 132B Summer Jazz Seminar II (3 Units)**
Hours: 72 (45 lecture, 27 lab)
\Exploratory course in jazz, with continued training in instrumental jazz performance. Open to students performing on jazz instruments.
Transfer Information: CSU Transferable, UC Transferable

**MUS 133 Summer Jazz Seminar: Intermediate (3 Units)**
Course Advisories: MUS 132A Intermediate course in jazz designed to supplement regular school and college programs with training in instrumental jazz performance.
Hours: 72 (45 lecture, 27 lab)
Open to students performing on jazz instruments.
Transfer Information: CSU Transferable

**MUS 140A Beginning Piano (1 Unit)**
Hours: 54 (0 lecture, 54 lab)
This course is an introduction to beginning keyboard skills, including notation. It includes basic technique, major and minor five finger patterns, major scales, sight reading and basic chord progressions, as they are encountered in beginning piano music.
Transfer Information: CSU Transferable, UC Transferable

**MUS 140B Beginning Piano (1 Unit)**
Prerequisites: MUS 140A.
Hours: 54 (0 lecture, 54 lab)
In this course students refine and further develop beginning keyboard skills. This includes piano technique, major scales and arpeggios, sight-reading, chord progressions and harmonization and transposition skills, as encountered in upper-beginning/early intermediate piano music.
Transfer Information: CSU Transferable, UC Transferable

**MUS 142A Intermediate Piano (1 Unit)**
Prerequisites: MUS 140B.
Hours: 54 (0 lecture, 54 lab)
This course will allow students to refine and develop beginning keyboard skills. Piano technique, major and minor scales and arpeggios, sight-reading, expanded chord progressions, and harmonization and transposition skills are encountered in intermediate piano music.
Transfer Information: CSU Transferable, UC Transferable

**MUS 142B Intermediate Piano (1 Unit)**
Prerequisites: MUS 142A.
Hours: 36 (18 lecture, 18 lab)
Class piano techniques for intermediate students; designed to provide pleasure in playing the piano. Development of skills in sight reading, melody harmonization, improvisation, transposition and musical interpretation of the standard classics.
Transfer Information: CSU Transferable, UC Transferable

**MUS 146 Beginning Guitar (1 Unit)**
Hours: 54 (54 lab)
Class method using a "classical" approach, designed to teach note reading and basic chord styles and progressions. Acoustic guitar must be provided by student.
Transfer Information: CSU Transferable, UC Transferable

**MUS 147 Popular Guitar Styles Beginning (1 Unit)**
Hours: 54 (54 lab)
Class for developing guitar skills used in folk, rock, blues, and jazz. Class involves study of strumming patterns, finger picking, chord voicings, and solo. Emphasis on playing by ear. Guitar must be provided by student.
Transfer Information: CSU Transferable, UC Transferable

**MUS 148 Intermediate Guitar (1 Unit)**
Course Advisories: MUS 146.
Hours: 54 (54 lab)
For intermediate guitarists. Skills in reading more complex chord symbols, chord progressions, voice leading, major scales in all positions, inversions of triads, and right-hand finger-picking patterns.
Transfer Information: CSU Transferable, UC Transferable

**MUS 149 Popular Guitar Styles Intermediate (1 Unit)**
Prerequisites: MUS 147.
Hours: 54 (54 lab)
Course for Intermediate guitar students to learn folk, blues, jazz, and other pop guitar styles. Emphasis on playing by ear. Guitar must be provided by student.
Transfer Information: CSU Transferable, UC Transferable

**MUS 150 Beginning String Techniques (1 Unit)**
Hours: 54 (54 lab)
Instruction in the fundamentals of playing an orchestral string instrument (violin, viola, cello and string bass). Any student may enroll, but Music majors are given first priority on use of college instruments.
Transfer Information: CSU Transferable, UC Transferable

**MUS 151 Intermediate String Techniques (1 Unit)**
Prerequisites: MUS 150.
Hours: 36 (18 lecture, 18 lab)
Continuation of instruction in the fundamentals of playing an orchestral string instrument (violin, viola, cello and string bass). Any student may enroll, but Music majors are given first priority on use of college instruments.
Transfer Information: CSU Transferable, UC Transferable

**MUS 152 Beginning Wind And Percussion Techniques (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Introduction to the basic techniques of instrumental performance-brass, woodwind and percussion. Recommended for Music majors.
Transfer Information: CSU Transferable, UC Transferable

**MUS 153 Intermediate Wind And Percussion Techniques (1 Unit)**
Prerequisites: MUS 152.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Continuation of instruction in the basic techniques of instrumental performance - brass, woodwind and percussion. Ensemble experience for Music majors and others on their secondary instruments.
Transfer Information: CSU Transferable, UC Transferable

**MUS 154 Vocal Techniques I (1 Unit)**
Hours: 54 (54 lab)
Development of fundamental singing skills, including stage presence, posture, breath control, tone production, diction, musical interpretation and preparation of musical selections for performance.
Transfer Information: CSU Transferable, UC Transferable

**MUS 155 Vocal Techniques II (1 Unit)**
Course Advisories: MUS 154.
Hours: 54 (54 lab)
Advanced development of fundamental singing skills, including stage presence, posture, breath control, tone production, diction, musical interpretation and preparation of musical selections for performance. Emphasis placed on solo performance.
Transfer Information: CSU Transferable, UC Transferable

**MUS 156 Bebop Vocal Jazz Ensemble (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of vocal jazz with emphasis on the Bebop style. Students work on a wide variety of vocal jazz techniques. Public concerts scheduled for this ensemble each semester.
Transfer Information: CSU Transferable, UC Transferable

**MUS 157 Swing Vocal Jazz Ensemble (1 Unit)**
Limitations on Enrollment: Audition with instructor.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Study and performance of vocal jazz, with emphasis on the Swing style. Students work on a wide variety of vocal jazz techniques. Public concerts scheduled for this ensemble each semester.
Transfer Information: CSU Transferable, UC Transferable

**MUS 158 Quire Of Voyces Medieval (3 Units)**
Limitations on Enrollment: Auditions for public performance.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study, performance and recording of sacred a cappella choral music of the Medieval era. Frequent public appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 159 Men's Chorus (1 Unit)**
Hours: 54 (54 lab)
Study and performance of standard choral literature. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 160 College Choir (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of standard choral literature. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 160B College Choir B (1 Unit)**
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance and rehearsal of choral literature. Public concerts.
Transfer Information: CSU Transferable, UC Transferable

**MUS 160C College Choir C (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance and rehearsal of choral literature. Public performances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 160D College Choir D (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance and rehearsal of choral literature. Public concerts.
Transfer Information: CSU Transferable, UC Transferable

**MUS 161 Women's Chorus (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of standard choral literature. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 161B Women's Chorus/Renaissance (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of Renaissance choral literature in four to six parts. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 161C Women's Chorus / Classic, Romantic (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of choral literature from the late 18th and 19th centuries. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 161D Women's Chorus/Modern Era 20th and 21st Century (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of choral literature from the 20th and 21st centuries. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 162 Chamber Singers (1 Unit)**
Limitations on Enrollment: Audition with instructor.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Three hours lecture, plus one hour weekly for public performances. Study and performance of standard choral literature for the small ensemble. Frequent public appearances. Study and performance of standard choral literature for the small ensemble. Frequent public appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 162B Chamber Singers Modern (1 Unit)**
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of Modern choral literature for the small ensemble. Several Concert performances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 162C Chamber Singers Classic (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of classical choral literature for the small ensemble. Several Concert performances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 162D Chamber Singers Romantic (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of Romantic Era choral music for the small ensemble.
Transfer Information: CSU Transferable, UC Transferable

**MUS 163 Quire Of Voyces (1 Unit)**
Limitations on Enrollment: Extensive audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study, performance and recording of sacred a cappella choral music of William Byrd. Frequent public appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 163B Quire of Voyces Modern (1 Unit)**
Limitations on Enrollment: Extensive audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study, performance and recording of sacred a cappella choral music of the Modern Era. Frequent public appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 164 Vocal Jazz Ensemble (1 Unit)**
Limitations on Enrollment: Audition with instructor.
Skills Advisories: Eligibility for English 103.
Hours: 54 (54 lab)
Study and performance of vocal jazz. Students will work on a wide variety of vocal jazz styles and techniques. There will be public concerts with this ensemble each semester.
Transfer Information: CSU Transferable, UC Transferable

**MUS 165 Beginning Jazz Improvisation (1 Unit)**
Limitations on Enrollment: Performance experience on a wind, string, or percussion instrument.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Beginning individual and small group improvisational techniques. Combo performance. Course placement level determined by interview/audition.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**MUS 165B Beginning Jazz Improvisation B (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Continued development of Jazz Improvisation Skills. Use of chord substitutions, ii - V7 turnarounds.
Transfer Information: CSU Transferable, UC Transferable

**MUS 166 Intermediate-Advanced Jazz Improvisation (1 Unit)**
Prerequisites: MUS 165.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Intermediate-advanced individual and small group jazz improvisation.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**MUS 166B Intermediate Jazz Improvisation B (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Intermediate Jazz Improvisation, including individual and small group performance.
Transfer Information: CSU Transferable, UC Transferable

**MUS 167 Beginning Jazz Ensemble (1 Unit)**
Limitations on Enrollment: Previous jazz ensemble performance experience, or audition with instructor.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance of jazz ensemble literature. Beginning large ensemble performance techniques and pedagogy. Open to students with jazz ensemble experience.
Transfer Information: CSU Transferable, UC Transferable

**MUS 167B Beginning Jazz Ensemble B (1 Unit)**
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance class for students with beginning level big band jazz experience. Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable

**MUS 167C Beginning Jazz Ensemble C (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance Class for students with Beginning Level big band jazz experience. Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable

**MUS 168 Intermediate Jazz Ensemble (1 Unit)**
Prerequisites: MUS 167.
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance of jazz ensemble literature. Intermediate techniques and pedagogy. Public performance and festival participation. Open to students with jazz ensemble experience.
Transfer Information: CSU Transferable, UC Transferable

**MUS 168B Intermediate Jazz Ensemble B (1 Unit)**
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance class for students with intermediate level big band jazz experience. Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable

**MUS 168C Intermediate Jazz Ensemble C (1 Unit)**
Skills Advisories: ENG 103.
Hours: 54 (54 lab)
Performance class for students with intermediate-level big band jazz experience. Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable

**MUS 168D Intermediate Jazz Ensemble D (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance class for students with intermediate-level big band jazz experience. Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable

**MUS 169 Advanced Jazz Ensemble (1 Unit)**
Prerequisites: MUS 168.
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance of advanced jazz ensemble literature. Frequent public appearances and festival participation. Open to students with previous collegiate-level jazz ensemble performance experience.
Transfer Information: CSU Transferable, UC Transferable

**MUS 170 Symphony Orchestra (1 Unit)**
Limitations on Enrollment: Audition with instructor.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performing ensemble open to all students with orchestral instrumental experience. Ensemble performs orchestral literature from all style periods in public performances on campus and in the community. Meets for three hours, one night a week.
Transfer Information: CSU Transferable, UC Transferable

**MUS 170B Symphony Orchestra B (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Audition with instructor. Skill Advisories: Eligibility for ENG 103. Performing ensemble open to all students with orchestral instrumental experience. Ensemble performs orchestral literature from all eras in public performances on campus and in the community. Meets for three hours, one night a week.
Transfer Information: CSU Transferable, UC Transferable

**MUS 170C Symphony Orchestra C (1 Unit)**
Limitations on Enrollment: Audition with instructor.
Hours: 54 (54 lab)
Skill Advisories: Eligibility for ENG 103. Performing ensemble open to all students with orchestral instrumental experience. Ensemble performs orchestral literature from all eras in public performances on campus and in the community. Meets for three hours, one night a week.
Transfer Information: CSU Transferable, UC Transferable

**MUS 170D Symphony Orchestra D (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Audition with instructor. Performing ensemble open to all students with orchestral instrumental experience. Ensemble performs orchestral literature from all eras in public performances on campus and in the community. Meets for three hours, one night a week.
Transfer Information: CSU Transferable, UC Transferable

**MUS 171 Chamber Music of the Baroque Era (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Ensemble class that provides students the opportunity to perform chamber music of the 17th and 18th centuries Baroque era. Each performer is expected to improve his/her performance level and enhance group performance.
Transfer Information: CSU Transferable, UC Transferable

**MUS 172 Intermediate Orchestra (1 Unit)**
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Ensemble class that continues to develop string techniques taught in Beginning and Intermediate String Techniques and that also develops new techniques. Students study music for various combinations of instruments.
Transfer Information: CSU Transferable, UC Transferable

**MUS 173 Baroque Instrument Techniques (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
An exploration of baroque instrumental performance techniques as demonstrated through performance of baroque masterworks. Details include: equipment requirements and preparation, leadership considerations, performance practice as it relates to ornamentation, dynamics, phrasing, and presentation.
Transfer Information: CSU Transferable, UC Transferable

**MUS 173B Chamber Orchestra Baroque (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Small Group performance ensemble dedicated to Baroque Music.
Transfer Information: CSU Transferable, UC Transferable

**MUS 174 Chamber Music (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Ensemble class that provides an opportunity for students to perform standard chamber music literature from the 17th, 18th, 19th and 20th centuries. Individuals expected to improve their performance level and thus perfect the performance of the group.
Transfer Information: CSU Transferable, UC Transferable

**MUS 175 Chamber Music of the Modern Era (1 Unit)**
Limitations on Enrollment: Audition with instructor.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Ensemble class that provides students the opportunity to perform chamber music of the 20th century, the modern era. Each performer is expected to improve his/her performance level and enhance group performance.
Transfer Information: CSU Transferable, UC Transferable

**MUS 176 Concert Band (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance of concert and symphonic winds literature. Frequent public appearances and festival participation. Open to students with concert band experience.
Transfer Information: CSU Transferable, UC Transferable

**MUS 176B Concert Band B (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance of concert and symphonic winds literature. Frequent public appearances and festival participation. Open to students with concert band experience.
Transfer Information: CSU Transferable, UC Transferable

**MUS 177 Symphonic Band (1 Unit)**
Course Advisories: MUS 176.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance of concert and symphonic winds literature. Frequent public appearances and festival participation. Open to students with collegiate-level performance experience.
Transfer Information: CSU Transferable, UC Transferable

**MUS 177B Symphonic Band B (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance of concert band and symphonic wind ensemble literature. Public performances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 178 Wind Ensemble (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Small ensemble performance (brass quartet, woodwind quintet, etc.). Material selected from many music periods. Open to students with wind and percussion performance experience.
Transfer Information: CSU Transferable, UC Transferable

**MUS 179 Commercial Music Performance: Jazz And Pop Emphasis (1 Unit)**
Course Advisories: MUS 169 or previous advanced collegiate or pre-professional performance experience.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Experience-centered training in jazz and pops performance. Performances in all commercial music applications.
Transfer Information: CSU Transferable

**MUS 181 Commercial Music Performance: Classical Instrumental And Vocal Emphasis (0.5-2 Units)**
Course Advisories: MUS 160 or MUS 162 or MUS 163 or MUS 170 or MUS 176.
Skills Advisories: Eligibility for ENG 103.
Hours: 108 (108 lab)
Experience-centered training in classical instrumental and vocal performance in all commercial music applications. Open to students with previous advanced collegiate or professional performance experience.
Transfer Information: CSU Transferable

**MUS 182A Chamber Singers Spirtuals (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of Spirituals for small vocal ensemble. Frequent public appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 182B Chamber Singers Broadway (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of Broadway and Musical Theatre literature for the small ensemble. Frequent public appearances. Study and performance of standard choral literature for the small ensemble.
Transfer Information: CSU Transferable, UC Transferable

**MUS 185 Applied Music (0.5 Units)**
Corequisites: MUS 102A and MUS 104A or MUS 102B and MUS 104B and MUS 160 or MUS 162 or MUS 163 or MUS 165 or MUS 166 or MUS 167 or MUS 168 or MUS 169 or MUS 170 or MUS 172 or MUS 174 or MUS 176 or MUS 177 or MUS 178 or MUS 179 MUS 160B or MUS 160C or MUS 160D or MUS 162B or MUS 162C or MUS 162D or MUS 163B or MUS 163C or MUS 163D or MUS 165B or MUS 166B or MUS 167B or MUS 167C or MUS 168B or MUS 168C or MUS 168D or MUS 170B or MUS 170C or MUS 170C or MUS 170D or MUS 171 or MUS 177B or MUS 188A or MUS 188B or MUS 188C or MUS 161 or MUS 161B or MUS 162C or MUS 162D.
Limitations on Enrollment: MUS 185 Auditions for public performance Audition Required.
Hours: 27 (0 lecture, 27 lab)
Individualized study of the appropriate techniques and repertoire for the specific instrument or voice being studied through private instruction. The emphasis is on the progressive development of skills needed for solo performance. Achievement is evaluated through a juried performance. Course restricted to 3 repetitions
Transfer Information: CSU Transferable, UC Transferable

**MUS 188A Big Band Jazz Ensemble I (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance class for students with previous big band jazz experience. Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable

**MUS 188B Big Band Jazz Ensemble II (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance-based course for students with previous big band jazz experience. Students must be able to perform collegiate-level big band jazz.
Transfer Information: CSU Transferable, UC Transferable

**MUS 188C Big Band Jazz Ensemble III (1 Unit)**
Skills Advisories: Eligibility for ENG 103 Performance class for students with previous collegiate-level big band jazz experience.
Hours: 54 (54 lab)
Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable

**MUS 190 Intermediate Choir (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of longer and more complex pieces from the choral literature. Public appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 191 Intermediate Choir B (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of advanced intermediate pieces from the choral literature. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 202A Intermediate Musicianship (2.5 Units)**
Prerequisites: MUS 102B.
Corequisites: MUS 204A.
Hours: 45 (45 lecture)
Study of musicianship skills necessary to be a professional performer, composer or teacher. Includes development of advanced aural and dictation skills which allow the student to solve practical as well as theoretical musical problems. Music majors only.
Transfer Information: CSU Transferable, UC Transferable

**MUS 202B Intermediate Musicianship (3 Units)**
Prerequisites: MUS 202A.
Corequisites: MUS 204B.
Hours: 54 (54 lecture)
This course applies and develops the rhythmic, melodic, and harmonic materials of Music Theory IV through ear training, sight singing, analysis, and dictation. Study of musicianship skills necessary to be a professional performer, composer or teacher. Includes development of advanced aural and dictation skills which allow the student to solve practical as well as theoretical musical problems. Music majors only.
Transfer Information: CSU Transferable, UC Transferable

**MUS 204A Intermediate Theory (3 Units)**
Prerequisites: MUS 104B.
Corequisites: MUS 202A.
Hours: 54 (54 lecture)
Incorporates the concepts from Music Theory III presented through guided composition and analysis. Includes more advanced chromatic chord functions and voice-leading, with emphasis on the study of 16th century modal and tonal counterpoint, harmony and form. Study of 18th century harmonic and compositional techniques, as well as the study of chromatic harmonies of the 18th and 19th centuries, with emphasis on form, analysis and creative composition.
Transfer Information: CSU Transferable, UC Transferable

**MUS 204B Intermediate Theory (3 Units)**
Prerequisites: MUS 204A.
Corequisites: MUS 202B.
Hours: 54 (54 lecture)
Incorporates the concepts from Music Theory III presented through guided composition and analysis. Includes late Romantic, neo-Romantic, and Modernist harmonic and rhythmic structures and techniques.
Transfer Information: CSU Transferable, UC Transferable

**MUS 205 Quire Of Voyces Renaissance (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Extensive audition. Study, performance and recording of sacred a cappella choral music of Renaissance era. Frequent public appearances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 206 Latin Jazz Ensemble (1 Unit)**
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Performance class for students emphasizing Latin styles. Class includes public performances.
Transfer Information: CSU Transferable, UC Transferable

**MUS 299 Independent Study In Music (1-4 Units)**
Limitations on Enrollment: Student must have completed 12 units at SBCC with A G.P.A. of 2.5 and a minimum of 6 units with a G.P.A. of 3.0 in the Department.
Skills Advisories: Eligibility for ENG 103.
Hours: 192 (192 lab)
For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# Native American Studies (NATA)
## Credit Courses

**NATA 101 American Indian: Past and Present (3 Units)**
Hours: 54 (54 lecture)
Survey of American Indian tribes, their cultural diversity, history and current conditions. Focuses on the impact that Native American peoples have had and still have on the history and cultural development of the United States. Emphasis is on the dynamic and changing roles that diverse Native American peoples have played throughout United States history. Changing attitudes and policies of Native American people and Euro-Americans are also covered.
SBCC General Education: SBCCGE Area B, SBCCGE Area E2, SBCCGE Area E5
Transfer Information: CSUGE Area D, CSUGE Area F, CSU US-1, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

**NATA 102 The Native American In 20th Century Society (3 Units)**
Hours: 54 (54 lecture)
An overview of the modern history and culture of the Native Americans. The course explores, in detail, the impact of changing political, social, and economic trends on Native Americans in this country. The dynamic interaction between the dominant Euroamerican cultural patterns and the various Native American cultural patterns explored. Attempts by the dominant culture to destroy and/or modify Native American cultures is a major focus of the course. Of equal importance are the responses by the Native Americans to the attacks against them and their culture.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, CSUGE Area F, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

### NATA 103 Native American Cultural Heritage (3 Units)
Hours: 54 (54 lecture)
Survey of American Indian cultures - their arts, rituals, religion, philosophy, material culture, social organization, educational systems and adaptation to European culture.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, CSUGE Area F, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable

### NATA 104 California Indians (3 Units)
Hours: 54 (54 lecture)
Native peoples of California: their origin, language, arts, customs, religion and music.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

### NATA 105 California Tribes: The Chumash (3 Units)
Hours: 54 (54 lecture)
One-semester survey designed to familiarize the student with Chumash Indian culture, historical experience, and sovereignty issues as they compare with other California tribes. Focuses on the experience and contributions of the Chumash over the past 300 years. Historical changes in artistic, cosmological and political perspectives throughout history, and the tribal culture, rights and political orientation of the modern Chumash peoples examined.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable

### NATA 112 Native American Visual And Musical Art (3 Units)
Hours: 54 (54 lecture)
Overview of Native American visual, oral and musical arts; their cultural roots and philosophical traditions also covered.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

### NATA 113 The Indian In Literature: Fact And Fiction (3 Units)
Hours: 54 (54 lecture)
Major Native American cultures from Pre-Columbian times to present, as treated in both non-fictional and fictional literature. Mayan, Aztec-Toltec, Southwestern tribes, Iroquois, the Five Civilized Tribes, Plains Indians and Eskimo cultures examined.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

# Nursing (NURS)
## Credit Courses

### NURS 119 Introduction to RN for the LVN (4 Units)
Limitations on Enrollment: Admission to Program.
Hours: 180 (18 lecture, 162 lab)
Provides a basic orientation to the Santa Barbara City College Associate Degree Nursing Program based on Caring Theory for the VN to ADN student. Ethical and legal responsibilities and the changing role of the RN are included. LVN to RN content includes IV therapy and assessment.
Transfer Information: CSU Transferable

### NURS 161 Pharmacology Nursing (1.5 Unit)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 45 (18 lecture, 27 lab)
This course provides an introduction to the principles of pharmacology, including: pharmacokinetics, pharmacodynamics, medication interactions and potential adverse medication reactions. Content includes general principles of pharmacology, legal, ethical, and safety aspects of medication administration as well as nursing care related to the safe administration of medication to patients across the life span. Emphasis is placed on nursing responsibilities such as maximizing therapeutic effects of drug therapy and minimizing adverse effects, appropriate patient and family teaching, and ongoing patient assessment.
Transfer Information: CSU Transferable

### NURS 162 Introduction to Medical-Surgical Nursing I (8 Units)
Limitations on Enrollment: Admissions to the ADN program.
Hours: 288 (72 lecture, 216 lab)
This course provides an introduction to nursing and the roles of the nurse and profession, and related patient care concepts. Emphasis is placed on the knowledge and skills needed to provide safe, quality care. The theoretical foundation for basic assessment and nursing skills is presented, and the student is given an opportunity to demonstrate these skills in a clinical laboratory setting and in a variety of health care settings. An introduction to the nursing process provides a decision-making framework to assist students in developing effective clinical judgment skills.
Transfer Information: CSU Transferable

### NURS 163 Beginning Medical Surgical II (6 Units)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 216 (54 lecture, 162 lab)
The first-year nursing student's second semester develops knowledge and skills as they relate to adult non-critical, moderately complex medical-surgical patients. This course focuses on the care of adult clients with health alterations that require medical and/or surgical intervention. Emphasis is placed on the care of clients with alterations in selected body functions. Through the nursing process the student recognizes alterations in status and formulates age-appropriate care. Concepts of client centered care, cultural sensitivity, informatics, safe practice, and professionalism are integrated throughout the course. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe client care to adults in a variety of settings. Psychomotor skills include medication administration, sterile procedures, isolation procedures, and intravenous therapy.
Transfer Information: CSU Transferable

### NURS 165 Mental Health Nursing (2.5 Units)
Prerequisites: NURS 161 and NURS 162 or NURS 119 ( taken concurrently).
Limitations on Enrollment: Admission to Program.
Hours: 81 (27 lecture, 54 lab)
Focuses on the care of patients across the lifespan experiencing cognitive, mental and behavioral disorders. Emphasis is placed on management of patients facing emotional and psychological stressors as well as promoting and maintaining the mental health of individuals and families. Concepts of crisis intervention, therapeutic communication, anger management and coping skills are integrated throughout the course. The community as a site for care and support services is addressed. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe patient care to patients in selected mental health settings.
Transfer Information: CSU Transferable

**NURS 166 Intermediate Medical-Surgical Nursing III (5.5 Units)**
Prerequisites: NURS 163 or NURS 119 and NURS 165.
Hours: 207 (45 lecture, 162 lab)
Focuses on the care of adult clients with complex medical/surgical health problems. Emphasis is placed on helping clients and their families cope with alterations in body functions. Concepts of pharmacology, health promotion and education, evidence based practice, and interdisciplinary collaboration is integrated throughout the course. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe care to clients and selected groups in a variety of settings.
Transfer Information: CSU Transferable

**NURS 167 Maternal Newborn and Pediatric Nursing (4 Units)**
Prerequisites: NURS 165, NURS 163 or NURS 119.
Hours: 144 (36 lecture, 108 lab)
Provides an integrative, family-centered approach to the care of mothers, newborns, and children. Emphasis is placed on normal and high-risk pregnancies, normal growth and development, family dynamics, common pediatric disorders and the promotion of healthy behaviors in patients. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe patient care to mothers, newborns and children in selected settings.
Transfer Information: CSU Transferable

**NURS 168 Advanced Medical-Surgical Nursing IV (5 Units)**
Prerequisites: NURS 166 and NURS 167.
Hours: 180 (45 lecture, 135 lab)
This course focuses on advanced concepts of nursing care as they relate to adult and older adult patients with complex and/or acute multisystem alterations in health. Emphasis is placed on implementing time management and organizational skills while managing the care of patients with multiple needs and collaborating with the interdisciplinary team. Complex clinical skills, priority setting, clinical judgment, tenets of legal and ethical practice, and leadership principles are emphasized. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe care to patients in a variety of settings.
Transfer Information: CSU Transferable

**NURS 169 Gerontology-Community Nursing (1.5 Unit)**
Prerequisites: NURS 166 and NURS 167.
Hours: 45 (18 lecture, 27 lab)
This course builds on previous medical-surgical knowledge and skills in applying the nursing process to the care of older adults while focusing on their unique physiological and psychosocial needs. Concepts of community-based nursing practice including the role of the nurse in the community, health promotion and disease prevention, and Healthy People 2020 will be emphasized. A holistic approach will be applied to the assessment and care of the older adult living in the community including strategies that promote independent living and enhanced quality of life as well as principles of end-of-life care. Clinical experiences provide the student an opportunity to apply theoretical concepts and implement safe patient care to older adults in selected community settings.
Transfer Information: CSU Transferable

**NURS 172 Transition to Professional Nurse Practice (2 Units)**
Prerequisites: NURS 167 and NURS 166.
Hours: 90 (9 lecture, 81 lab)
This course facilitates the transition of the student to the role of a professional nurse in the microsystem of a work unit. Emphasis is placed on the role transition from student nurse to new graduate RN, management concepts, as well as developing the skills of delegation, conflict management, and leadership. Legal and ethical issues are discussed with a focus on personal accountability and responsibility. Clinical experiences provide the student the opportunity to apply theoretical concepts while functioning in a leadership role during direct patient care and non direct care.
Transfer Information: CSU Transferable

**NURS 190A Assessment of Clinical Competence (0.5-2 Units)**
Corequisites: NURS 162.
Hours: 108 (108 lab)
Concurrent Course is designed to assist students in Semester 1 whose clinical performance is marginal and require additional time and supervision to bring skills up to standards of practice. Course is offered in half unit increments based on student needs.
Transfer Information: CSU Transferable

**NURS 190B Assessment of Clinical Competence (0.5-2 Units)**
Corequisites: NURS 163.
Hours: 108 (108 lab)
Concurrent Course is designed to assist students who are returning after a leave of absence from Semester 2 or students whose clinical performance is marginal and require additional time and supervision to bring skills up to standards of practice. Course is offered in half unit increments based on student needs.
Transfer Information: CSU Transferable

**NURS 190C Assessment of Clinical Competence (0.5-2 Units)**
Corequisites: NURS 166.
Hours: 108 (108 lab)
Concurrent Course is designed to assist students who are returning after a leave of absence from Semester 3 or students whose clinical performance is marginal and require additional time and supervision to bring skills up to standards of practice. Course is offered in half unit increments based on student needs.
Transfer Information: CSU Transferable

**NURS 190D Assessment of Clinical Competence (0.5-2 Units)**
Corequisites: NURS 168 or NURS 172.
Hours: 108 (108 lab)
Concurrent Course is designed to assist students who are returning after a leave of absence from Semester 4 or current students whose clinical performance is marginal and require additional time and supervision to bring skills up to standards of practice. Course is offered in half unit increments based on student needs.
Transfer Information: CSU Transferable

**NURS 195 Success Strategies For Associate Degree Nursing Students (0.5 Units)**
Limitations on Enrollment: Admittance to the Associate Degree Nursing Program.
Hours: 9 (9 lecture)
Associate Degree Nursing students work with their instructors, advisers developing strategies needed to successfully master competencies required. Although these success strategies are customized to individual needs of each student, some include strategies to reduce stress, improve performance in the clinical, classroom setting and set appropriate priorities.

**NURS 282A NCLEX Success for the First Semester ADN Student (1 Unit)**
Hours: 18 (18 lecture)
Associate Degree Nursing students, enrolled in Semester 1, work with instructor to develop specific strategies to assist them in preparation for the National Licensing Exam (NCLEX). Students are introduced to the academic and clinical expectations of the curriculum and ATI resources. The course will examine time management, effective study skills, stress management and test anxiety.

**NURS 282B NCLEX Success for the Second Semester ADN Student (1 Unit)**
Hours: 18 (18 lecture)
Associate Degree Nursing students enrolled in Semester 2 work with the instructor to develop specific strategies to assist them in preparation for the National Council of Licensing Exam (NCLEX-RN). This course provides activities to improve the student's overall test performance and will examine the nursing process and clinical application on faculty-developed multiple choice exams.

**NURS 282C NCLEX Success for the Third Semester ADN Student (1 Unit)**
Hours: 18 (18 lecture)
Associate Degree Nursing students, enrolled in Semester 3, will work with instructor to develop strategies to assist in the preparation for the National Council Licensing Exam (NCLEX). Examines exam analysis tools and corrective action strategies based on Pharmacology, Pediatrics and Maternal Newborn content mastery exams.

**NURS 282D NCLEX Success for the Fourth Semester ADN Student (1 Unit)**
Hours: 18 (18 lecture)
Associate Degree Nursing Students, enrolled in Semester 4, work with instructor to develop specific strategies to assist in the preparation for the National Council Licensing Exam (NCLEX). The strategies are individualized for each student based on the RN Predictor Assessment results.

**NURS 290 Work Experience-Associate Degree Nursing (1-4 Units)**
Corequisites: NURS 160.
Hours: 300 (300 lab)
Provides nursing students the opportunity to explore various career opportunities in the nursing field through employment or volunteering. One unit of credit is earned for each 75 hours of supervised on-the-job experience in the health care setting. Students must accomplish specific, previously-approved course objectives. A minimum of four campus orientation hours with the instructor will be held each semester. Time and day TBA to fit into ADN student schedules. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Personal Development (PD)
# Credit Courses

**PD 004 Personal Awareness Group (1 Unit)**
Hours: 18 (18 lecture)
Concepts of emotional health and effective interpersonal behavior. Lecture and group discussion will guide students on how to effectively deal with life situations and improve student success.

**PD 100 College Success (3 Units)**
Hours: 54 (54 lecture)
Students clarify their educational objectives and develop the skills necessary to reach them. Topics include time management, reading and study skills, goal-setting, career planning, and communication skills.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**PD 101B Orientation to College For International Students (0.5 Units)**
Hours: 9 (9 lecture)
Provides an overview of the American higher education system as well as an orientation to the college and its student support services. Students learn about cultural patterns and adjustment issues, US classroom culture and college resources that are available to provide ongoing academic support.
Transfer Information: CSU Transferable, UC Transferable

**PD 103 Career Planning (1 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Students assess interests, values, skills and personality traits, and learn skills to link up careers and college majors. Topics include career assessment, decision-making, researching careers and majors.
Transfer Information: CSU Transferable

**PD 107 Success Strategies For The Single Parent Student (3 Units)**
Hours: 54 (54 lecture)
Designed to empower students to achieve academic and personal success. Strategies and success factors for single parent students. Addresses the need for developing good study habits, time management skills, and support systems. Students learn to identify and understand self-esteem and self-defeating behavior; develop strategies for change; and emphasize attitudes beneficial to achieving optimum academic performance.
Transfer Information: CSU Transferable

**PD 110 Career Planning And Decision-Making (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Comprehensive approach to career planning. Exploration of interests, personality traits and values through career assessment inventories. Topics include choosing a major, educational planning, value clarification, skills analysis, decision-making and goal-setting. Job search skills include researching occupational information, on-site interviews, interviewing and resume writing.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**PD 115 Effective Time Management (1 Unit)**
Skills Advisories: ENG 70 or ENG 80.
Hours: 18 (18 lecture)
Students develop the skills necessary to effectively manage their time, develop and set realistic goals, and improve their ability to overcome issues that cause procrastination.
Transfer Information: CSU Transferable

**PD 131 Stress Management and Wellness (3 Units)**
Hours: 54 (54 lecture)
Learn about the core concepts of stress, stress reduction and stress management: Social and behavioral theories, assessment of health impacts of stress on individuals, communities, and society. Explore the cultural, sociological, physiological, and psychological sources of stress and well-being during college and across the lifespan.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable

**PD 133 Focus and Attention for Student Success (1 Unit)**
Hours: 18 (18 lecture)
Concentration is critical in this digital age of multi-tasking. Stabilizing the mind and re-training it to focus attention and be aware of awareness can lead students towards clearer thinking, enhanced learning, satisfaction, creativity, more sustained balance, and mastery.

**PD 140 College Success For Student Athletes (1 Unit)**
Hours: 18 (18 lecture)
Mandatory course for all student-athletes participating in intercollegiate sports for the first time at SBCC. Students learn critical information on athletic eligibility and NCAA transfer requirements, and develop a long-term educational plan. Includes skills necessary for college success: time management, study skills and test-taking strategies.
Transfer Information: CSU Transferable, UC Transferable

**PD 149A Educational Planning for Student Success (1 Unit)**
Hours: 18 (18 lecture)
Introduction to educational planning, leading to the completion of a comprehensive Student Education Plan (SEP). Students learn to incorporate the major design elements of an SEP by utilizing resources and educational planning software to identify educational requirements and appropriately balance a course schedule. Designed for first-time college students and for those who have attended a California community college.
Transfer Information: CSU Transferable, UC Transferable

**PD 149B Academic Planning for F1 Visa Students (0.5 Units)**
Hours: 9 (9 lecture)
Introduction to educational planning which leads to the completion of a long-term Student Education Plan (SEP). F1 visa students will learn to incorporate the major design elements of an SEP by utilizing resources that identify educational requirements and appropriately balance a course schedule.
Transfer Information: CSU Transferable, UC Transferable

**PD 191A College Major and Career Options (1 Unit)**
Hours: 18 (18 lecture)
Students will explore compatible college majors and career options by completing a variety of online self-assessment inventories. Examine how individual, family, social, and cultural perspectives influence the college major and career decision-making process. Review strategies for selecting college majors, the purpose and structure of higher education, organizational structures found in employment settings, and education and career success strategies.
Transfer Information: CSU Transferable, UC Transferable

# Philosophy (PHIL)
## Credit Courses

**PHIL 100 Introduction to Philosophy (3 Units)**
Hours: 54 (54 lecture)
A survey course that investigates the basic problems and systems in philosophy. Special consideration is given to logic, theories of knowledge, metaphysics, ethics, philosophy of religion, and political philosophy. We will examine these areas from a wide array of perspectives, including Western, Eastern, and Indigenous traditions, and make connections to our current state of existence.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 100H Introduction to Philosophy, Honors (4 Units)**
Limitations on Enrollment: Other: Acceptance into the Honors Program.
Hours: 72 (72 lecture)
In-depth survey of the basic problems and systems in philosophy. Special consideration given to Logic, Epistemology, Metaphysics, Ethics, Philosophy of Religion, Political Philosophy, and Aesthetics.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 101 Introduction to Ethics (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examination of the nature of morality, moral concepts, moral theories, such as virtue theory, natural law, consequentialism, and Kantianism, and disputed moral issues, such as abortion, world hunger, pornography, environmentalism, cloning, genetic enhancement, war, euthanasia, capital punishment and animal rights.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 101H Introduction To Ethics, Honors (4 Units)**
Limitations on Enrollment: Acceptance into the Honors Program.
Hours: 72 (72 lecture)
In-depth study of the types and history of ethical theories. Analysis of the factual and normative factors involved in making moral choices. Discussion of the nature of moral standards and values and their relevance to present times. Topics include the meaning of "should," "right," "justice," "blame," "responsibility." Examines the moral aspect of social issues, such as abortion, euthanasia, the environment and drug legalization, etc.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 102 Comparative World Religions (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Presentation and interpretation of the fundamental concepts, ideals, customs, rituals and insights of the major religious traditions. Religions discussed are Hinduism; Buddhism; Greek; Roman; Taoism; Confucianism; Shintoism; Jainism; Zoroastrianism; Sikhism; Judaism; Christianity; and Islam.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 111 Critical Thinking And Writing In Philosophy (3 Units)**
Prerequisites: ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examination of the basic elements of logic, including the study of the principles of inductive and deductive reasoning, their relevance to problem-solving, scientific method, and argument analysis/evaluation. Development of critical thinking skills, including identifying and evaluating arguments, recognizing informal fallacies, and the uses and misuses of language in a variety of contexts. Integration of critical thinking skills with the techniques of effective argumentative writing, addressing themes of social and multicultural relevance. (Fulfills Critical Thinking requirement for IGETC/CSU General Education.)
SBCC General Education: SBCCGE Area D2
Transfer Information: CSUGE Area A3, IGETC Area 1B, CSU Transferable, UC Transferable

**PHIL 200 History Of Philosophy: Ancient (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Study of the thought of major philosophers from the time of Thales, 640 B.C., through the Romans. Philosophers discussed are the Pre-Socratics, Socrates, Plato, Aristotle, the Greek Atomists (Leucippus, Democritus, Epicurus), the Stoics (Seneca and Epictetus) up to Marcus Aurelius.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 201 History of Philosophy: Modern (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Study of the thought of the major philosophers from the rise of science in the late 1500s to 1800s. Philosophers discussed include many or all of the following: Bacon, Galileo, Hobbes, Descartes, Spinoza, Conway, Malebranche, Leibniz, Locke, Berkeley, Hume and Kant.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 203 History Of Philosophy: Contemporary (3 Units)**
Hours: 54 (54 lecture)
Philosophers of the 19th, 20th, and 21st centuries are studied, showing their impact upon thought, culture and society. Some of the philosophers presented include: Karl Marx, Soren Kierkegaard, William James, Bertrand Russell, Gottlob Frege, G.E. Moore, Friedrich Nietzsche, Jean-Paul Sartre, Simone de Beauvoir, Albert Camus, Ludwig Wittgenstein, Martin Heidegger, Michel Foucault, bell hooks, Martha Nussbaum, Cornel West, Charles Mills, John Rawls, and Angela Davis. We will examine these philosophers and their impact on contemporary issues such as language, logic, experience, and oppression.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 204 History And Philosophy Of The Great Ideas Of Physics (3 Units)**
Hours: 54 (54 lecture)
Examines the history and development of the major ideas of physics. Designed particularly for philosophy students and others in the liberal arts and humanities; however, STEM students may find the course useful in its logical analysis of the structure of scientific methodology. Physical ideas of three significant eras: ancient Greece; the beginnings of modern science from the 17th to 18th centuries, including the thinking of Copernicus, Galileo and Newton; and the revolutionary ideas of early 20th century and contemporary physics. Course is designed to be conceptual, rather than mathematical, in its investigation of the great ideas of physics.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 205 Introduction to Logic (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Formal investigation into the nature of argument. Topics covered are validity, implication, statement (propositional) logic, truth tables, syllogistic (categorical) logic (including Carroll or Venn diagrams), and predicate (quantificational) logic.
SBCC General Education: SBCCGE Area D2
Transfer Information: CSUGE Area A3, CSU Transferable, UC Transferable

**PHIL 206 Philosophy of Religion (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Provides a critical examination of the central philosophical issues associated with religion. Topics may include the existence and nature of a deity, good and evil, miracles, souls, life after death, revelations, and the relationships between myth and religion, religious experience and justification, faith and knowledge, and between religious beliefs and moral conduct.
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 207A Comparative Philosophy, East And West (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Critical examination of the predominant philosophical ideas of three of the most influential physiological perspectives in world history: Western regionalism, Indian mysticism, and Chinese social relationalism.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 207B Philosophy of Art (3 Units)**
Hours: 54 (54 lecture)
The philosophical study of art, art critique and aesthetic experience. Discussions include the nature of art objects, the uniqueness of aesthetic experience, distinctions between the beautiful and the sublime, the subjective/objective status of judgments about art, and commonalities and differences among the arts, including painting, sculpture, performance, poetry and music.
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

**PHIL 295 Internship In Philosophy (2-4 Units)**
Limitations on Enrollment: Completion of two courses (in applicable discipline) at SBCC prior to enrolling in an internship course.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 273 (273 lab)
Structured internship program in which students gain experience in community organizations related to the discipline. Five to 10 hours weekly on-the-job experience. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**PHIL 299 Independent Study In Philosophy (1-4 Units)**
Limitations on Enrollment: At least three Philosophy courses.
Hours: 192 (192 lab)
To be eligible for independent student, a student must have completed a minimum of 12 units at Santa Barbara City College with a 2.5 G.P.A. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# Photography (PHOT)
## Credit Courses

**PHOT 109 Introduction to Photography (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Students learn the fundamentals of photography including techniques of camera operation, photo composition and lighting, basic digital imaging editing, photo printing paper characteristics, print finishing techniques, and image enhancement techniques using industry-standard hardware and software. Students participate in critiques that emphasize the objective and subjective qualities of their work.
Transfer Information: CSU Transferable, UC Transferable

**PHOT 120 Creative Applications I (1.5 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 45 (18 lecture, 27 lab)
Students learn the fundamentals of alternative photographic processes based on works of art. Assignments include creating digital negatives, contact printing, and transfer techniques to metal, wood, and fabrics.
Transfer Information: CSU Transferable

**PHOT 125 Creative Applications II (1.5 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 45 (18 lecture, 27 lab)
Students learn to apply historic, alternative photographic processes to create one-of-a-kind art through modern technologies. Printing supported up to 44" wide, coupling archival inks with traditional art substrates like wood, fabric, metal and cold press papers. Students will create 2- and 3-dimensional sculptural pieces of photographic art.
Transfer Information: CSU Transferable

**PHOT 126 Creative Applications (3 Units)**
Course Advisories: PHOT 109.
Hours: 90 (36 lecture, 54 lab)
Students learn the fundamentals of alternative photographic processes based on works of art, and to apply historic, alternative photographic processes to create one-of-a-kind art through modern technologies. Assignments include creating digital negatives, contact printing, and transfer techniques to metal, wood and fabrics.
Transfer Information: CSU Transferable, UC Transferable

**PHOT 130 Digital Assets Management (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Explains both the purpose of digital asset management systems and why you need one. Step-by-step workflow, software, and 'best practices' in managing your digital content. Recommended for Photographers, Graphic Designers, Photojournalists, Journalists, and other creative people involved with image generation and storage.
Transfer Information: CSU Transferable

**PHOT 135 Wedding and Event Photography (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 18 (18 lecture)
Covers the basics of starting a wedding/event photography business. Posing and lighting set-ups; planning the sessions and packages; common shots; basic equipment and backups; wedding photojournalism; contracts; ethics delivery options.
Transfer Information: CSU Transferable

**PHOT 140 Travel and Street Photography (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Covers the fundamentals of travel and street photography to capture stunning images. Includes basic composition, quality of light, exposure variables and workflow suggestions. Designed for beginning-to-intermediate photographers who understand the basic operation of their own camera. Assignments include how to improve landscapes, cityscapes, and appreciate ethical standards when taking photos.
Transfer Information: CSU Transferable

**PHOT 145 Fine Art Copy Work (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Learn Museum-quality standards for copying art. Identifies recommended lighting equipment and demonstrate lighting techniques for small and larger-scale art. Bring your own art work and discover the best techniques for copying your work using our studio lighting equipment. Learn the basics for setting up a copy art station in your own home.
Transfer Information: CSU Transferable

**PHOT 146 Children and Pet Photography (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Portraiture relies on standardized lighting techniques coupled with the ability to elicit complimentary expressions and posing. Learn tricks and tips for working with children and pets in the studio and environment. Provides recommendations on home lighting kits, posing suggestions and the 'tricks' of the trade for working with little people and pets.
Transfer Information: CSU Transferable

**PHOT 147 Sports Photography (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Shows you how to capture the key elements of sports photography: motion and emotion, style and scene, place and purpose, covering a wide variety of sports.
Transfer Information: CSU Transferable

**PHOT 150 Stock Photography (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Students study the stock photography market, learn what kind of images work well in stock photography while investigating how this field has grown and will change in the future. Contracts, image protection and Digital Rights Management (DRM) are also covered.
Transfer Information: CSU Transferable

**PHOT 151 Stock Photography II (1 Unit)**
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Students will research and respond to the latest trends in image making. By the end of the class, students will be expected to have images in a stock agency and be able to run a customized stock photography business.
Transfer Information: CSU Transferable

### PHOT 180 Digital Darkroom (3 Units)
Course Advisories: PHOTO 109 and MAT 131.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Fundamentals of digital imaging, enhancements and manipulations as well as latest in printing technologies; simulate traditional alternative process; special effects; sharpening methods; retouching and natural media techniques; including Giclee printing. Basic knowledge of Adobe Photoshop is beneficial. Emphasis on a digital portfolio and conceptual assignments.
Transfer Information: CSU Transferable, UC Transferable

### PHOT 190 Photojournalism (3 Units)
Same as: JOUR 190
Course Advisories: PHOTO 209 and PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Skills and techniques of contemporary photojournalism. Topics include news and editorial sources, photographing single events and extended picture stories, and ethics. Skills include control of color, portable electronic flash, and electronic processes for contemporary publication.
Transfer Information: CSU Transferable, UC Transferable

### PHOT 209 Intermediate Photography and Lighting (3 Units)
Course Advisories: PHOT 109.
Hours: 90 (36 lecture, 54 lab)
Exploration of studio lighting and location lighting. Designed particularly for students who are familiar with basic photography and wish to learn more about advanced techniques in photographic composition, studio lighting, special effects, lighting equipment and various digital photography techniques.
Transfer Information: CSU Transferable, UC Transferable

### PHOT 214 Advertising Illustration (3 Units)
Course Advisories: PHOT 109 or PHOT 209.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Creating solutions for advertising. Emphasis on ad concept packages for print and tv spot production. Students analyze latest trends in advertising. Assignments include fashion, editorial, lifestyle, small product and fine art applications.
Transfer Information: CSU Transferable

### PHOT 215 The Business of Photography (1 Unit)
Course Advisories: PHOT 109.
Hours: 18 (18 lecture)
A course dedicated to teaching students about the business of photography. Students learn to create a business plan, marketing, pricing, invoicing and budgeting in order to run a successful business in the imaging industries.

### PHOT 250 Fine Art Photography (3 Units)
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Exploration of classic and contemporary styles of fine art. Students will translate their own personal vision by responding to the major art movements with their camera.
Transfer Information: CSU Transferable, UC Transferable

### PHOT 260 Portfolio (3 Units)
Course Advisories: PHOT 109 and PHOT 180.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Students produce a professional portfolio based on the style and passion of their own vision. Students learn communication, business, design and presentation skills to best present their work.
Transfer Information: CSU Transferable

### PHOT 270 Digital Image Retouching (1.5 Unit)
Prerequisites: PHOT 109 and PHOT 180.
Hours: 27 (27 lecture)
Students will learn the basics of digital retouching using image editing software. They will learn to both remove or add image details and repair damaged or aged files. Skills necessary to increase the quality of digital photo files using editing software techniques will be taught.
Transfer Information: CSU Transferable

### PHOT 280 Advanced Photography and Lighting Strategies (3 Units)
Course Advisories: PHOT 109, PHOT 209.
Hours: 90 (36 lecture, 54 lab)
Designed to take photo, video, and multimedia students beyond basic lighting techniques. Lighting systems include studio, portable electronic strobe and continuous light sources. Location and set lighting covered, with emphasis on establishing mood and matching existing light conditions. Topics include lighting people, building interiors and exteriors, small product, large set lighting and photographing for digital composites.
Transfer Information: CSU Transferable, UC Transferable

### PHOT 281 Digital Darkroom II (3 Units)
Course Advisories: PHOT 180.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Advanced techniques for color management, enhancements, and archival digital printing technologies in RGB. Timeline editing for video and natural media techniques. Emphasis on creating a digital portfolio through a series of conceptual assignments to expand your creativity.
Transfer Information: CSU Transferable, UC Transferable

### PHOT 285 Color Management (3 Units)
Course Advisories: PHOT 109, PHOT 180.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Fundamentals of color management for CMYK and RGB output. Professional calibration methods for scanners, printers, color monitors and digital capture systems. For graphic artists and photographers who are looking for more advanced techniques in color correction, ICC profile systems, work flow automation, and multiple-device matching for optimal reproduction quality.
Transfer Information: CSU Transferable

# Physical Education/Health Education/Dance/Athletics (PE)

Credit Courses

**PE 101A Beginning Badminton (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to provide the student with basic fundamentals, history, strategies, rules and etiquette of the game. These activities are based on two levels of instruction: beginning and intermediate.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 101B Intermediate Badminton (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to provide the student with basic fundamentals, history, strategies, rules and etiquette of the game. These activities are based on two levels of instruction: beginning and intermediate.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 103A Beginning Golf (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
For students who wish to learn a new activity or who possess insufficient skills in golf. Introductory instruction that explains the activities, history, rules, etiquette, strategy, equipment and elementary skills of golf.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 103B Intermediate Golf (1.5 Unit)**
Skills Advisories: Eligibility for ENG 098 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
For students who already possess the rudimentary skills and abilities of golf and wish to improve those skills. This level will provide for a greater opportunity for student competition and performance. An increased emphasis is placed on the execution of skills and proficiencies.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 103C Advanced Golf (1.5 Unit)**
Skills Advisories: Eligibility for ENG 098 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
For the skilled performer who seeks to improve to the best of his/her ability. This level prepares the student for highly intensive performance levels. Instruction accentuates competition and advanced strategies. A higher level of accomplishment is stressed.
Transfer Information: CSU Transferable, UC Transferable

**PE 106A Beginning Spinning For Fitness (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Indoor cycling class geared towards improving one's cardiovascular fitness and muscular endurance. Designed for individuals of all fitness levels, the program covers proper technique and training at various intensities.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 106B Intermediate Spinning For Fitness (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Indoor cycling class geared towards improving one's cardiovascular fitness and muscular endurance. Designed for individuals looking to improve their basic level of fitness, the course covers intermediate skills and techniques while training at various intensities.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 109A Beginning Tennis (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Tennis is a part of the sports program of the Physical Education Department. Class provides instruction and opportunities for students to develop and improve their skills in tennis and knowledge of stroke production, terminology, rules, etiquette, strategy, mental toughness and match play.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 109B Intermediate Tennis (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides instruction and opportunities for students to develop and improve their skills in tennis and knowledge of stroke production, terminology, rules, etiquette, strategies and match play.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 109C Advanced Tennis (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Instruction at the advanced level for students to develop and improve their skills in tennis, stroke production, terminology, rules, etiquette, strategy, mental toughness and match play. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 110 Advanced Baseball Techniques and Conditioning (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed for potential intercollegiate baseball participants. Includes aerobic and anaerobic conditioning, plyometrics, sport-specific strength training, and flexibility. (UC transfer limit: PE activity courses limited to 4 units of UC credit) Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 112A Body Conditioning Boot Camp: Beginning (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides instruction and opportunities for beginning-level students to develop optimum muscular strength, cardiovascular endurance and flexibility. Emphasis placed on safe and proper technique and body mechanics.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 112B Body Conditioning Boot Camp: Intermediate (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to enhance core strength at an intermediate level. Cardiovascular development will also be emphasized, along with unique and dynamic training methods. Significant instruction on strength development techniques such as Pre-activation, Kettle Bells, Swiss Balls, Dumb bells and Stable Surface (ground) exercises. Specifically designed for the conditioned student.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 120A Beginning Baseball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides opportunities for men to receive beginning-level instruction and training in skills, techniques, and strategies of baseball. Provides instruction and opportunities for students to develop desirable human relationships and social expression through interaction with classmates, instructors, and companions.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 120B Intermediate Baseball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides opportunities for men to receive intermediate-level instruction and training in skills, techniques, and strategies of baseball. Provides instruction and opportunities for students to develop desirable human relationships and social expression through interaction with classmates, instructors, and companions.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 120C Advanced Baseball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provide opportunities for men to receive advanced-level instruction and training in skills, techniques, and strategies of baseball. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with classmates, instructors and companions. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 121A Beginning Basketball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in the fundamentals of basketball technique as well as team strategy. Individual skills such as catching, dribbling, passing, shooting, rebounding, offensive and defensive strategies are utilized.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 121B Intermediate Basketball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in the fundamentals of basketball technique as well as team strategy. Individual skills such as catching, dribbling, passing, shooting, rebounding, offensive and defensive strategies are utilized.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 121C Advanced Basketball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides instruction and practice in the fundamentals of basketball technique as well as team strategy. Individual skills such as catching, dribbling, passing, shooting, rebounding, offensive and defensive strategies will be utilized. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 122A Beginning Flag Football (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Instruction and practice in the fundamentals, strategies, and rules of the game of flag football. These activities are based on a beginning level.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 122B Intermediate Flag Football (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Instruction and practice in the fundamentals, strategies, and rules of the game of flag football. These activities are based on an intermediate level.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 122C Advanced Flag Football (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Instruction and practice in the fundamentals, strategies, and rules of the game of flag football. These activities are based on an advanced level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 123A Beginning Track And Field (1.5 Unit)**
Same as: PE 123B, and PE 123C
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Track and field provides instruction and practice in the fundamentals, skills and techniques of all track and field events. It provides a conditioning program involving event-specific running and event-specific techniques and drills.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 123B Intermediate Track And Field (1.5 Unit)**
Same as: PE 123A, and PE 123C
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Track and field provides instruction and practice of intermediate skills and techniques of all track and field events. It provides a conditioning program involving event-specific running and event-specific techniques and drills.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 123C Advanced Track And Field (1.5 Unit)**
Same as: PE 123A, and PE 123B
Skills Advisories: Eligibility for English 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Track and field provides instruction and practice in the advanced skills and techniques of all track and field events. It provides a conditioning program involving event-specific running and event-specific techniques and drills. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 124A Beginning Soccer (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Beginning soccer skills. History, rules and terminology will be taught along with team offense and defense.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 124B Intermediate Soccer (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
For students who wish to learn intermediate soccer skills. Rules and terminology will be taught along with team offense and defense.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 124C Advanced Soccer (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
For students who wish to learn advanced soccer skills. History, rules and terminology will be taught along with team offense and defense.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 125A Beginning Softball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Beginning play in fastpitch softball. Emphasis will be on rules, strategy, and motor skill development for the beginning player to prepare him/her for competitive play.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 125B Intermediate Softball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Intermediate play in fastpitch softball. Emphasis will be on rules, strategy, and motor skill development for the intermediate player to prepare him/her for competitive play.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 125C Advanced Softball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Advanced play in fastpitch softball. Emphasis will be on rules, strategy, and motor skill development for the advanced player to prepare the athlete for competitive play. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 126A Beginning Beach Volleyball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in fundamental beach volleyball techniques. Individual skills, such as passing, setting, hitting, blocking and serving, as well as team offensive and defensive strategies, are utilized depending upon level of course.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 126B Intermediate Beach Volleyball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in fundamental beach volleyball techniques. Individual skills, such as passing, setting, hitting, blocking and serving, as well as team offensive and defensive strategies, are utilized depending upon level of course.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 126C Advanced Beach Volleyball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in fundamental beach volleyball techniques. Individual skills, such as passing, setting, hitting, blocking and serving, as well as team offensive and defensive strategies, are utilized depending upon level of course.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 127A Beginning Volleyball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in fundamental volleyball techniques. Individual skills such as passing, setting, hitting, blocking and serving as well as team offensive and defensive strategies will be taught at the beginning level.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 127B Intermediate Volleyball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in fundamental volleyball techniques. Individual skills such as passing, setting, hitting, blocking and serving as well as team offensive and defensive strategies will be taught at the intermediate level.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 127C Advanced Volleyball (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational team sport activity which provides instruction and practice in fundamental volleyball techniques. Individual skills such as passing, setting, hitting, blocking and serving as well as team offensive and defensive strategies will be taught at the advanced level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 128 Advanced Football Techniques (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Advanced skills and techniques of football are presented. Emphasizes rules, theory, advanced strategy and teamwork, and philosophy of intercollegiate football. Practical application of various physical training methods. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 132A Novice Swimming (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed for the first-time water experience. Basic stroke techniques and selected water skills are covered.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 132B Beginning Swimming (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Equips individuals with basic water safety skills and knowledge to make them reasonably safe in an aquatic environment. Introduces the freestyle (crawl) stroke, including breathing techniques, backstroke, breaststroke, butterfly, elementary backstroke and sidestroke.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 132C Intermediate Swimming (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides individuals with the opportunity to learn and perfect the competitive swimming strokes−backstroke, breaststroke, butterfly, and freestyle. Provides a workout environment for developing swimming en-durance and speed, with instruction in starts, turns, relays and safety/survival skills.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 132D Advanced Swimming (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides individuals with the opportunity to learn and perfect the competitive swimming strokes−backstroke, breaststroke, butterfly, and free style. Provides a workout environment for developing swimming endurance and speed, as well as instruction in starts, turns and relays.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 133 Ocean Kayaking (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides instruction and practice in the fundamentals of ocean kayaking: stroke technique, steering, launching, beaching, righting, water safety, and cardiovascular fitness. Swim test administered.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 134A Swimming For Conditioning: Beginning (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54.2 (12.8 lecture, 41.4 lab)
Beginning-level course designed to improve the student's physical condition. Emphasis is on endurance, strength, and improving stroke mechanics. Students learn principles of conditioning to improve cardiovascular endurance, muscular strength, and flexibility.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 134B Swimming for Conditioning: Intermediate (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Intermediate- to advanced-level course designed to improve stroke mechanics and physical conditioning. Emphasis on refining the four competitive strokes, and applying advanced principles of conditioning.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 134C Swimming for Conditioning: Advanced (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Advanced-level course to improve stroke mechanics and physical conditioning. Emphasis is on perfecting stroke mechanics in the four competitive strokes, and applying advanced principles of conditioning.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 137 Beginning Surfing (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to teach the fundamentals of board surfing, and provide beginning surfers the opportunity to safely develop the skills to ride waves. Paddling technique, wave selection, ocean safety, oceanography, equipment, tides, and surf etiquette are explained. Students must swim comfortably 100m non-stop in order to continue in course.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 138A Beginning Cardio Boxing (1.5 Unit)**
Skills Advisories: Eligibility for English 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Using kickboxing fundamentals, provides skills for the development of physical and general health. Program works every major muscle group in the upper and lower body through basic leg movements, such as shuffle, slip, and weave, as well as arm combinations including the jab, uppercut, hook and cross.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 138B Intermediate Cardio Boxing (1.5 Unit)**
Skills Advisories: Eligibility for English 98 and English 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Series of boxing, kickboxing, and stretching exercises arranged to music, gradually increasing in tempo. A non-stop 25- to 45-minute program, with 10 to 20 minutes of abdominal work and stretching. Training equipment includes focus mitts, bags, and uppercut shields for basic punching and leverage punches. (UC transfer limit: PE activity courses limited to 4 units of UC credit)
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 138C Advanced Cardio Boxing (1.5 Unit)**
Skills Advisories: Eligibility for English 98 and English 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Series of boxing, kickboxing, and stretching exercises arranged to music, gradually increasing in tempo. A non-stop 25- to 45-minute program, with 10 to 20 minutes of abdominal work and stretching. Training equipment includes focus mitts, bags, and uppercut shields for basic punching and leverage punches.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 139 Pilates Mat Fitness (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-educational instruction and practice in the fundamentals of Pilates mat work. Designed to condition and connect body and mind, correct muscle imbalances, strengthen core muscles, improve posture and increase flexibility to restore optimal functioning of the body.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 143A Integrated Training: Beginning (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Integrated training incorporates cardiorespiratory endurance, flexibility, balance, core, and resistance training into a progressive system to reduce muscular imbalances, improve posture and overall fitness. Instruction will focus on applications for the development of core stabilization, balance, and correction of muscular imbalances. Training progressions will be based on individual assessment of muscular capabilities.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 143B Integrated Training: Intermediate (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Integrated training incorporates cardiorespiratory endurance, flexibility, balance, core, and resistance training into a progressive system to reduce muscular imbalances, improve posture and overall fitness. Instruction will focus on applications for the development of muscular hypertrophy and strength. Training progressions will be based on individual assessment of muscular capabilities.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 144A Weight Training: Beginning (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Focuses on applications for the development of basic muscular strength and endurance for students new to weight training. Fundamentals of weight training program design, proper body mechanics, equipment selection, and safe use of weight/resistance training equipment. Training programs will be individualized based on fitness level.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 144B Weight Training: Intermediate (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Focuses on applications for the development of muscular strength and endurance for students with basic weight training experience. Students will learn weight training program design, proper body mechanics, equipment selection, and safe use of weight/resistance training equipment for intermediate performance. Training programs will be individualized based on fitness level and training goals.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 144C Weight Training: Advanced (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Focuses on applications for the development of muscular strength and endurance for students with intermediate weight training experience. Students will learn weight training program design, proper body mechanics, equipment selection, and safe use of weight/resistance training equipment for advanced performance. Training programs will be individualized based on fitness levels and training goals.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 145A Dance Fitness: Beginning (1.5 Unit)**
Same as: PE 145B
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Dance-based fitness class utilizing a variety of music and dance rhythms to promote cardiorespiratory fitness. Incorporates cardiovascular exercise, muscular endurance, balance and flexibility. Students engage in continuous dance to improve cardiovascular fitness while learning basic steps from merengue, salsa, cha-cha-cha, mambo, cumbia, reggaeton, hip-hop and others. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 145B Dance Fitness: Intermediate (1.5 Unit)**
Same as: PE 145A
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Incorporates cardiovascular exercise, muscular endurance, balance and flexibility. Students will review beginning movements and learn intermediate movements from a variety of music and dance rhythms including, but not limited to, merengue, salsa, cha-cha-cha, mambo, cumbia, reggaeton, hip-hop and others. Class format will involve continuous dancing and interval training for cardiovascular health. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 146 Stretching and Relaxation (1.5 Unit)**
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to enhance overall wellness related to body flexibility, injury prevention, and stress reduction for all adults, including athletes and non-athletes. Stretching techniques and their applications to active lifestyles, sports and stress management will be emphasized.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 147A Conditioning for Intercollegiate Athletes (0.5 Units)**
Same as: PE 147B, PE 147C, and PE 147D
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 16 (6 lecture, 10 lab)
Designed to prepare potential athletes for intercollegiate competition. Presents a combination of aerobic conditioning, weight training, cross-training and skill activities to prepare the athlete both mentally and physically. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 147B Conditioning for Intercollegiate Athletes (1 Unit)**
Same as: PE 147A, PE 147C, and PE 147D
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 32 (12 lecture, 20 lab)
Designed to prepare potential athletes for intercollegiate competition. Presents a combination of aerobic conditioning, weight training, cross-training and skill activities to prepare the athlete both mentally and physically. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 147C Conditioning for Intercollegiate Athletes (1.5 Unit)**
Same as: PE 147A, PE 147B, and PE 147D
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 48 (18 lecture, 30 lab)
Designed to prepare potential athletes for intercollegiate competition. Presents a combination of aerobic conditioning, weight training, cross-training and skill activities to prepare the athlete both mentally and physically. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 147D Conditioning for Intercollegiate Athletes (2 Units)**
Same as: PE 147A, PE 147B, and PE 147C
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 64 (24 lecture, 40 lab)
Designed to prepare potential athletes for intercollegiate competition. Presents a combination of aerobic conditioning, weight training, cross-training and skill activities to prepare the athlete both mentally and physically. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 148A Beginning Walking/Jogging for Fitness (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Coeducational course which provides instruction to develop cardiovascular fitness and flexibility through an individualized walking/jogging program. Emphasizes safe and effective techniques for all fitness levels.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 148B Intermediate Walking/Jogging for Fitness (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Coeducational course providing instruction for developing cardiovascular fitness and flexibility through an individualized walking/jogging program. Emphasizes safe and effective techniques for all fitness levels.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 149 Life Fitness (1 Unit)**
Hours: 36 (9 lecture, 27 lab)
An open-entry/open-exit course designed to increase cardiovascular endurance, strength and flexibility, utilizing state-of-the-art equipment. Provides knowledge of basic fitness concepts and skills to develop an individualized workout based upon the student's goals. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 150A Beginning Ballet (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Dance course focusing on the fundamentals of classical and contemporary ballet. Through active participation, the student will experience ballet technique and vocabulary, along with developing a higher understanding of the important historical contribution ballet has made to western theatrical dance. No dance experience required.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 150B Intermediate Ballet (1.5 Unit)**
Course Advisories: PE 150A.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Focuses on fundamentals for the intermediate student in both classical and contemporary ballet. Through active participation, students will experience ballet technique and vocabulary, along with developing a higher understanding about important historical contributions ballet has made to western theatrical dance. Successful completion of Beginning Ballet required.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 150C Advanced Ballet (1.5 Unit)**
Course Advisories: PE 150B.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Explores the basic fundamentals of advanced ballet dance concepts and movement, fundamental theory, and practice of ballet techniques. Emphasis on placement, correct body alignment, muscular control, and a development of ballet positions and steps. Successful completion of Intermediate Ballet required.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 151A Beginning Jazz Dance (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Focuses on fundamentals of jazz dance including: theatrical, film/video and contemporary dance styles. Through active participation, the student will experience a universal jazz dance vocabulary that emphasizes rhythmical movement patterns, coordination and presentation skills. No dance experience required.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 151B Intermediate Jazz Dance (1.5 Unit)**
Course Advisories: PE 150A or 151A or 152A.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Continued exploration of jazz dance fundamentals including theatrical, film/video and contemporary dance styles. Through active participation, students will experience a universal jazz dance vocabulary that will emphasize rhythmical movement patterns, coordination, and presentation skills. Beginning Jazz, Ballet or Modern recommended. Successful completion of Beginning Jazz required.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 151C Advanced Jazz Dance (1.5 Unit)**
Course Advisories: PE 151B.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Offers a continued exploration on the fundamentals of jazz dance including theatrical and contemporary dance styles. Through active participation, students will experience a universal jazz dance vocabulary that will emphasize rhythmical movement patterns, coordination, and presentation skills. Successful completion of Beginning Jazz required. Prior dance experience recommended.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 152A Beginning Modern Dance Technique (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Course will focus on the fundamentals of modern dance technique. Through active participation, students will experience diverse historical and contemporary modern dance styles, develop kinesthetic awareness, and integrate development of technique with creative self-expression. No dance experience necessary for beginning course only.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 152B Intermediate Modern Dance Technique (1.5 Unit)**
Course Advisories: PE 152A.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides instruction in intermediate contemporary modern dance skills. Through active participation, students continue in their acquisition of intermediate modern dance skills, expand upon the development of their kinesthetic awareness, and integrate development of technique with creative self-expression. Dance 152A is recommended. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 152C Advanced Modern Dance Technique (1.5 Unit)**
Course Advisories: PE 152B.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides instruction in fundamental, intermediate, and advanced dance skills. Poise and movement in time, space, rhythm design, and art forms. Provides opportunity for students to develop kinesthetic awareness and creativity through dance movement. Dance 152B is recommended. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 153 Dance Concert (2.5 Units)**
Limitations on Enrollment: Audition for course.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 109 (12.6 lecture, 96.4 lab)
Faculty directed and supervised dance concert(s). Students experience artistic and educational public performances at traditional and non-traditional performance sites. Students involvement in production process includes costuming, fund-raising, public relations and research. Students must be enrolled and regularly attend a SBCC dance technique course and audition to be selected to participate in this course. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 154A Dance Ensemble (3 Units)**
Skills Advisories: Eligibility for ENG 098 and 103.
Hours: 162 (162 lab)
For intermediate dancers who are serious about performing. Students learn a varied and challenging repertoire that stretches them technically and artistically. They participate in the creation of new work, resetting of work by faculty and guest choreographers and performing in and around the Santa Barbara area. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 154B Dance Ensemble Advance (3 Units)**
Skills Advisories: Eligibility for ENG 098 and 103.
Hours: 162 (162 lab)
The dance ensemble is for advance dancers who are serious about performing. Students learn, perform and choreograph a varied and challenging repertoire that stretches them technically and artistically. They participate in the creation of new work, resetting of work by faculty and guest choreographers and performing in and around the Santa Barbara area. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**PE 156 Beginning Social Ballroom Dance (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Introduces students to the fundamentals of ballroom dance, with detailed descriptions of the basic steps which, in turn, systematically build to attractive dance combinations. Also covers American and Latin American dances, including styling, dance position holds, leading and following techniques.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 157 Advanced Football Conditioning And Techniques (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed for athletes to become physically prepared for intercollegiate football competition. Utilizes a combination of anaerobic conditioning, speed development, strength training, plyometrics training, and sport-specific skill development. Emphasizes rules, theory, advanced strategy and teamwork, philosophy and practical application of physical training methods. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 162A Beginning Karate (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Critical analysis of the mental and physical principles of karate as a martial art. Training will include both "hard" and "soft" techniques with emphasis on physical movements which synthesize the elements of speed, concentration, balance and timing.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 162B Intermediate Karate (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Critical analysis of the mental and physical principles of karate as a martial art. Training includes both "hard" and "soft" techniques, with emphasis on physical movements which synthesize the elements of speed, concentration, balance and timing.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 163 Beginning Self-Defense (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Presentation and critical analysis of the basic movements used in personal defense that can be learned by anyone of average physical ability. Designed to allow students an opportunity to develop and practice personal self-defense skills, without directly engaging in the martial arts.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 164 Self-Defense for Women (1 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 36 (9 lecture, 27 lab)
Designed for men and women who are interested in gaining knowledge in simple but effective self-defense techniques. Also examines rape, wife and child abuse, and other cultural influences that require the necessity for this course.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 166 Life Fitness - Strength Training (1 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (9 lecture, 27 lab)
This course designed to increase muscular strength and endurance, utilizing plate-loaded apparatus, free weights, selectorized weight machines, and weighted cables. Required orientation includes course objectives and requirements, rules and regulations, and safety procedures.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 167A Exploration of Dance (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Explores the fundamentals of dance and movement. Students experience the disciplines of ballet, modern, jazz, improvisation, stretch, relaxation, Pilates and Yoga. Emphasis on body alignment, strength/flexibility, wellness and the importance of cross-training for dancers. Students create quality movement and artistry in dance.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 167B Intermediate Exploration of Dance (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Explores dance and movement at an intermediate level. Students experience the disciplines of contemporary, modern and jazz dance. Emphasis on body alignment, strength/flexibility and creative movement.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 168 Women's Fitness And Weight Training (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
For women who wish to learn a new activity or who possess insufficient health or conditioning. Instruction develops applications of basic cardiovascular fitness conditioning and establishes the rudiments of muscle strength, endurance and flexibility.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 169 Life Fitness - Weight Training for Power (1 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (9 lecture, 27 lab)
Open-entry/open-exit course designed to increase muscular strength, endurance and power utilizing free weights and Olympic lifting techniques. Required orientation includes course objectives and requirements, rules and regulations, and safety procedures. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 176A Beginning Fitness Yoga (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Instruction and practice in the fundamentals of yoga-based poses designed to enhance strength, flexibility, balance and focus. Emphasis on safety, proper body alignment, improved posture, and developing breathing techniques that encourage the mind-body connection and relaxation response.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 176B Intermediate Fitness Yoga (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Continued instruction and practice in intermediate-based yoga poses designed to enhance strength, flexibility, balance and focus. Emphasis on safety, proper body alignment, improved posture, and developing breathing techniques that encourage mind-body integration and relaxation response.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 177 Life Fitness - Weight Management (1 Unit)**
Hours: 36 (9 lecture, 27 lab)
Teach weight management concepts, using a combination of dietary planning and exercise in the Life Fitness Center. Students must attend a one-hour weekly meeting to meet the requirements of the nutritional program. Required orientation includes course objectives and requirements, rules and regulations, and safety procedures.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 179 Life Fitness - Super Circuit Training (0.5 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (4.5 lecture, 13.5 lab)
Instruction in the development of cardiovascular endurance, muscular endurance and flexibility using selectorized weight equipment in combination with stationary bicycles. Required orientation includes course objectives and requirements, rules, regulations, and safety procedures.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 180A Intercollegiate Baseball - Men (3 Units)**
Same as: PE 180B, and PE 180C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 100 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 180B Intercollegiate Baseball - Men (2 Units)**
Same as: PE 180A, and PE 180C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide instruction and practice in the fundamentals, skills and techniques for baseball. It is designed for the highly skilled athlete who will compete interscholastically. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 180C Intercollegiate Baseball - Men (1 Unit)**
Same as: PE 180A, and PE 180B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 100 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide instruction and practice in the fundamentals, skills and techniques for baseball. It is designed for the highly skilled athlete who will compete interscholastically. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 181A Intercollegiate Basketball - Women (3 Units)**
Same as: PE 181B, and PE 181C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 181B Intercollegiate Basketball - Women (2 Units)**
Same as: PE 181A, and PE 181C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 100 and 103.
Hours: 108 (108 lab)
Student must have a physical prior to participation in class. Provide opportunities to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 181C Intercollegiate Basketball - Women (1 Unit)**
Same as: PE 181A, and PE 181B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 182A Intercollegiate Basketball - Men (3 Units)**
Same as: PE 182B, and PE 182C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities to receive advanced level instruction and training in skills, techniques, and strategies that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 182B Intercollegiate Basketball - Men (2 Units)**
Same as: PE 182A, and PE 182C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities to receive advanced level instruction and training in skills, techniques, strategies, that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 182C Intercollegiate Basketball - Men (1 Unit)**
Same as: PE 182A, and PE 182B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities to receive advanced level instruction and training in skills, techniques, strategies, that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 183A Intercollegiate Cross Country for Women and Men (3 Units)**
Same as: PE 183B, and PE 183C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. The class provides instruction and practice in the fundamentals, skills and techniques of cross country. It provides a conditioning program, running various distances over different terrains. It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 183B Intercollegiate Cross Country for Women and Men (2 Units)**
Same as: PE 183A, and PE 183C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. The class provides instruction and practice in the fundamentals, skills and techniques of cross country. It provides a conditioning program, running various distances over different terrains. It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 183C Intercollegiate Cross Country for Women and Men (1 Unit)**
Same as: PE 183A, and PE 183B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. The class provides instruction and practice in the fundamentals, skills and techniques of cross country. It provides a conditioning program, running various distances over different terrains. It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 184A Intercollegiate Football - Men (3 Units)**
Same as: PE 184B, and PE 184C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for students to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 184B Intercollegiate Football - Men (2 Units)**
Same as: PE 184A, and PE 184C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for men and women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 184C Intercollegiate Football - Men (1 Unit)**
Same as: PE 184A, and PE 184B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for men and women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 185A Intercollegiate Golf (3 Units)**
Same as: PE 185B, and PE 185C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for men and women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as participate in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 185B Intercollegiate Golf (2 Units)**
Same as: PE 185A, and PE 185C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for men and women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as intercollegiate competition experience. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 185C Intercollegiate Golf (1 Unit)**
Same as: PE 185A, and PE 185B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for men and women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as intercollegiate athletic competition experience. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 186A Intercollegiate Tennis - Women (3 Units)**
Same as: PE 186B, and PE 186C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques, strategies, that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 186B Intercollegiate Tennis - Women (2 Units)**
Same as: PE 186A, and PE 186C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques, strategies, that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 186C Intercollegiate Tennis - Women (1 Unit)**
Same as: PE 186A, and PE 186B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques, strategies, that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 187A Intercollegiate Tennis - Men (3 Units)**
Same as: PE 187C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 160 (160 lab)
Student must have a physical prior to participation in class. Provides opportunities for men to receive advanced-level instruction and training in skills, techniques and strategies that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 187C Intercollegiate Tennis - Men (1 Unit)**
Same as: PE 187A
Limitations on Enrollment: Try-out for intercollegiate team Selection to enroll by permission of instructor.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for men to receive advanced level instruction and training in skills, techniques, strategies, that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 188A Intercollegiate Track And Field - Women (3 Units)**
Same as: PE 188B, and PE 188C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Track and Field provides instruction for women in the fundamental skills and techniques of the variety of events involved in the sport: Jumps (long and triple jump, pole vault), throws (shot-put, discus, javelin, hammer), and running events (sprints, middle distance, long distance, hurdles, relays). It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 188B Intercollegiate Track And Field - Women (2 Units)**
Same as: PE 188A, and PE 188C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Track and Field provides instruction for women in the fundamental skills and techniques of the variety of events involved in the sport: Jumps (long and triple jump, pole vault), throws (shot-put, discus, javelin, hammer), and running events (sprints, middle distance, long distance, hurdles, relays). It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 188C Intercollegiate Track And Field - Women (1 Unit)**
Same as: PE 188A, and PE 188B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Track and Field provides instruction for women in the fundamental skills and techniques of the variety of events involved in the sport: Jumps (long and triple jump, pole vault), throws (shot-put, discus, javelin, hammer), and running events (sprints, middle distance, long distance, hurdles, relays). It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 189A Intercollegiate Track And Field - Men (3 Units)**
Same as: PE 189B, and PE 189C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 098 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Track and Field provides instruction for men in the fundamental skills and techniques of the variety of events involved in the sport: Jumps (long and triple jump, pole vault), throws (shot-put, discus, javelin, hammer), and running events (sprints, middle distance, long distance, hurdles, relays). It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 189B Intercollegiate Track And Field - Men (2 Units)**
Same as: PE 189A, and PE 189C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Track and Field provides instruction for men in the fundamental skills and techniques involved in the sport: Jumps (long and triple jump, pole vault), throws (shot-put, discus, javelin, hammer), and running events (sprints, middle distance, long distance, hurdles, relays). It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 189C Intercollegiate Track And Field - Men (1 Unit)**
Same as: PE 189A, and PE 189B
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Track and Field provides instruction for men in the fundamental skills and techniques involved in the sport: Jumps (long and triple jump, pole vault), throws (shot-put, discus, javelin, hammer), and running events (sprints, middle distance, long distance, hurdles, relays). It provides an opportunity to hone those skills in intercollegiate competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 190A Intercollegiate Volleyball - Women (3 Units)**
Same as: PE 190B, and PE 190C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 190B Intercollegiate Volleyball - Women (2 Units)**
Same as: PE 190A, and PE 190C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 190C Intercollegiate Volleyball - Women (1 Unit)**
Same as: PE 190A, and PE 190B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 191A Intercollegiate Volleyball - Men (3 Units)**
Same as: PE 191B, and PE 191C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 098 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for men to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 191B Intercollegiate Volleyball - Men (2 Units)**
Same as: PE 191A, and PE 191C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for men to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 191C Intercollegiate Volleyball - Men (1 Unit)**
Same as: PE 191A, and PE 191B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for men to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 192A Intercollegiate Soccer - Women (3 Units)**
Same as: PE 192B, and PE 192C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 192B Intercollegiate Soccer - Women (2 Units)**
Same as: PE 192A, and PE 192C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 098 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 192C Intercollegiate Soccer - Women (1 Unit)**
Same as: PE 192A, and PE 192B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 193A Intercollegiate Soccer - Men (3 Units)**
Same as: PE 193B, and PE 193C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Provide opportunities for men to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 193B Intercollegiate Soccer - Men (2 Units)**
Same as: PE 193A, and PE 193C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for men to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 193C Intercollegiate Soccer - Men (1 Unit)**
Same as: PE 193A, and PE 193B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Provide opportunities for men to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as... 1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 194A Intercollegiate Softball - Women (3 Units)**
Same as: PE 194B, and PE 194C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. This course is designed to instruct the individual on the advanced mechanics of fastpitch softball. This includes advanced skill instruction, knowledge of NCAA rules, offensive and defensive strategies. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 194B Intercollegiate Softball - Women (2 Units)**
Same as: PE 194A, and PE 194C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 194C Intercollegiate Softball - Women (1 Unit)**
Same as: PE 194A, and PE 194B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 51 (51 lab)
Student must have a physical prior to participation in class. Provide opportunities for women to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as....
1. Provide instruction and opportunities for students to develop desirable human relationships and social expression through interaction with opponents, teammates, instructors, officials and companions. 2. Provide an educationally sound environment for wholesome competition. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 195 Life Fitness - Functional Fitness Training (0.5 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (4.5 lecture, 13.5 lab)
Instruction in exercise techniques aimed at enhancing functional performance in daily activities, general exercise and athletics. Emphasizes the development of joint stabilizer strength, balance, core (abdominal) strength, and efficiency of movement, using a variety of strength and balance training equipment.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 196 Myofascial Release Techniques in Exercise (0.5 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (4.5 lecture, 13.5 lab)
Introduction to the incorporation of self-myofascial release (self-massage) techniques in exercise. Learning to utilize various equipment to manipulate soft tissue for injury prevention, rehabilitation, pain reduction and sport performance.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable

**PE 197A Intercollegiate Swimming for Women (3 Units)**
Limitations on Enrollment: Try-out for intercollegiate team.
Hours: 175 (175 lab)
Provides opportunities for women to receive advanced-level instruction and training in the sport of swimming. In addition to competition, students will be guided to positive peer relationships, and creating a healthy team dynamic. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 198A Intercollegiate Water Polo - Women (3 Units)**
Limitations on Enrollment: Try-out for intercollegiate team.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 175 (175 lab)
Provides opportunities for women to receive advanced-level instruction and training in the sport of water polo. In addition to competition, students will be guided to positive peer relationships, and creating a healthy team dynamic. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 199A Intercollegiate Cheer/Dance (3 Units)**
Same as: PE 199B, and PE 199C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 175 (175 lab)
Student must have a physical prior to participation in class. Designed for intercollegiate cheer and dance team members. Focuses on the skills required for a successful intercollegiate cheer and dance team. Emphasizes the fundamentals of tumbling, stunts, dance, leadership and performance skills, and techniques. Performance at school athletic events and campus functions, as well as participation in community-involved projects. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 199B Intercollegiate Cheer/Dance (2 Units)**
Same as: PE 199A, and PE 199C
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 106 (106 lab)
Student must have a physical prior to participation in class. Designed for intercollegiate cheer and dance team members. Focuses on the skills required for a successful intercollegiate cheer and dance team. Emphasizes the fundamentals of tumbling, stunts, dance, leadership and performance skills, and techniques. Performance at school athletic events and campus functions, as well as participation in community-involved projects. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 199C Intercollegiate Cheer/Dance Team (1 Unit)**
Same as: PE 199A, and PE 199B
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. Designed for intercollegiate cheer and dance team members. Focuses on the skills required for a successful intercollegiate cheer and dance team. Emphasizes the fundamentals of tumbling, stunts, dance, leadership and performance skills, and techniques. Performance at school athletic events and campus functions, as well as participation in community-involved projects. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 200 Introduction to Kinesiology (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Introductory course to the field of physical education/kinesiology (study of human movement). Trends and sub-disciplines will be examined. Career opportunities in the fields of teaching, coaching and fitness professions.
Transfer Information: CSU Transferable, UC Transferable

**PE 201 Coaching Youth Football (1.3 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (18 lecture, 18 lab)
Designed to aid youth football coaches. Fundamentals of offense, defense and kicking game are covered, as well as the psychological and philosophical aspects of coordinating a safe youth program.
Transfer Information: CSU Transferable

**PE 203 Introduction to Sports Management (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Introduces students to the scope and career opportunities of sports management. Emphasis is placed on current events in the world of sports management.
Transfer Information: CSU Transferable

**PE 205 Intercollegiate Beach Volleyball: Women (3 Units)**
Limitations on Enrollment: Try-out for intercollegiate team.
Hours: 162 (162 lab)
Intended to prepare students for participation in Intercollegiate Beach Volleyball for Women. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 216 Competition, Motivation And The Athlete (1 Unit)**
Hours: 18 (18 lecture)
Introduction to the psychological, motivational, competitive and physical dimensions of sport. Survey of the athlete and coach to facilitate optimal performance.
Transfer Information: CSU Transferable

**PE 217 Movement Education In The Elementary School (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Designed for students who desire an elementary school teaching credential or those who are Physical Education majors. Introduction to psychomotor development skills and teaching methodologies necessary to develop and teach elementary school physical education. Cultural and historical perspectives, as well as self-image and personal development skills, included.
Transfer Information: CSU Transferable

**PE 218 Introduction To Coaching/Teaching (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Introductory course in the field of coaching/teaching. History, present status and future trends of coaching. Career options in the profession of coaching are explored.
Transfer Information: CSU Transferable, UC Transferable

**PE 219A Beginning Water Polo (1.5 Unit)**
Skills Advisories: Eligibility for English 98, English 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-ed class that provides the student with knowledge and skill in water polo techniques, drills, tactics and rules. Swimming skills and techniques are emphasized to enable swimming, passing and shooting. Students acquire basic skills that enable them to understand and participate in water polo competition. All students required to pass swimming test administered first week.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 219B Intermediate / Advanced Water Polo (1.5 Unit)**
Skills Advisories: Eligibility for English 98, English 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Co-ed class that provides students with further knowledge and skill in water polo techniques, drills, tactics and rules. Water polo skills and techniques are emphasized to develop skills used at intermediate and advanced levels of the sport. Acquisition of advanced skills that enable them to participate in intermediate and advanced levels of water polo competition.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 220A Ocean Swimming: Beginning (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Further knowledge in swimming techniques, principles, and water safety practices as they apply to marine environment. Skills to swim effortlessly and efficiently are emphasized. Major emphasis on freestyle stroke, with elements of other strokes incorporated. Students become comfortable and confident swimming long distances in various types of weather and water conditions.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 220B Intermediate Ocean Swimming (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides students with knowledge and skill in swimming techniques to explore diverse open-water swimming opportunities. Experience in various marine conditions with water safety at the forefront. Interval and distance training in preparation for long distance events. Simulation of competition in large groups.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 221 Advanced Soccer Techniques - Women (1.5 Unit)**
Skills Advisories: Eligibility for English 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides opportunities for women to receive advanced soccer instruction and training in skills, techniques, strategies and leadership. Develops desirable human relationships and social expression through interaction with teammates, instructors and officials. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 222 Advanced Soccer Techniques - Men (1.5 Unit)**
Skills Advisories: Eligibility for English 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Provides opportunities for men to receive advanced soccer instruction and training in skills, techniques, strategies and leadership. Develops desirable human relationships and social expression through interaction with teammates, instructors and officials. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 223 Coaching Youth Soccer (1.3 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (18 lecture, 18 lab)
Lecture and lab course on practical skill development to aid youth soccer coach. Theory, psychological and philosophical aspects, safety and prevention of injuries are covered. National Soccer Coaches of America Association Advanced Regional Diploma awarded upon successful completion.
Transfer Information: CSU Transferable

**PE 224 Triathlon (1.5 Unit)**
Skills Advisories: Eligibility for English 98, English 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Introduction to fundamental skills, techniques and training for a triathlon. Includes training for all three disciplines of the triathlon: swim, bike and run. Training focuses on sprint and Olympic-length triathlons, with the primary concentration being the sprint triathlon to prepare students for participation in a sprint triathlon.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 226 Running for Conditioning (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 or ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed for beginning, intermediate and advanced-level individuals who seek more specific and advanced training techniques. Covers training theory in distance running, specific strength training for runners, nutrition for endurance training, and bio-mechanical analysis for running efficiency. Training volume and intensity depend on individual's current fitness level.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 227 Hiking for Fitness (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to teach basic fundamentals of hiking for fitness. Provides students with the opportunity to participate, while developing overall strength and cardiovascular fitness. Wilderness first aid and survival skills are also studied. Daily hikes are scheduled.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 228 Sport Video Technology (3 Units)**
Skills Advisories: ENG 098 or ENG 103.
Hours: 54 (54 lecture)
Introduction to sport video and digital technology. Students learn how new technology is applied to sports (basketball, baseball, football, soccer, volleyball). Hands-on training with sport software and technology.
Transfer Information: CSU Transferable

**PE 229 Adapted Physical Education (1.5 Unit)**
Same as: PE 229A
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 58.5 (13.5 lecture, 45 lab)
Exercise program for students with disabilities. Activities are adapted or modified to meet the individual needs and abilities of a student. Students with temporary and permanent disabilities are served, as well as those with major health problems or chronic conditions. Students must have a physician's statement indicating disability, specific restrictions and recommended activities.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 229A Beginning Adapted Strength Training (1.5 Unit)**
Same as: PE 229
Hours: 58.5 (13.5 lecture, 45 lab)
This course is designed for students with a disability or a chronic health condition who want to develop a strength training routine with modifications as needed to meet abilities. Basic strength training principles and benefits from resistance exercises will be discussed. Major muscle groups will be identified with an understanding of their function and application to specific activities.
Transfer Information: CSU Transferable

**PE 230 Outdoor Education (2.3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (36 lecture, 18 lab)
Basic fundamentals of outdoor education and recreation. Students study plants and animals, history, geography and environmental issues of the local area. Specific attention given to the Channel Islands. Various field trips include different outdoor activities and educational opportunities.
Transfer Information: CSU Transferable

**PE 231 Adapted Sport & Recreational Physical Activity (1.5 Unit)**
Hours: 58.5 (13.5 lecture, 45 lab)
Designed to support students with a disability or a chronic health condition develop skills and enjoyment in a variety of sport and recreational activities such as soccer, softball, tennis, yoga and other miscellaneous games. Students learn to modify activities to meet individual abilities.
Transfer Information: CSU Transferable

**PE 247 Intercollegiate Sports Development (0.3 Units)**
Skills Advisories: Eligibility for ENG 98 and Eligibility for ENG 103.
Hours: 12 (5 lecture, 7 lab)
Designed to prepare potential athletes in aspects of physical and cognitive sports development. Two facets include (A) dissemination of information regarding drugs, alcohol, tobacco and sexual assault, concussion and brain injury, CCCAA & NCAA eligibility, Physical and FMS screening, and (B) presentation of general sports fitness, sports specific training, tactical and fundamental skill activities. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**PE 250 Survey and Appreciation of Dance History (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Introduction to the history and appreciation of dance. Survey of dance history, from the beginning of time to the present, with an emphasis upon development as an art form cross-culturally. Emphasis on sociological, cultural, historical context within different societies. Development of contemporary art forms of dance, within the 20th and 21st centuries is explored.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**PE 252A Fundamentals of Choreography (2 Units)**
Course Advisories: PE 152A.
Hours: 54 (27 lecture, 27 lab)
Introduction to the choreographic process. Movement studies to acquire experiences and knowledge of compositional techniques. Individual and group creativity stressed, along with the ability to articulate aesthetic distinctions. Special emphasis on movement experimentation, invention and development.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 260 Dance Improvisation (1.5 Unit)**
Course Advisories: PE 152A.
Skills Advisories: Eligibility for ENG 98 or ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Introduction to creative exploration in movement through guided exercises and experiences that enrich one's personal movement vocabulary. Students learn to access and develop their active imagination and enhance their focus and concentration abilities. Students develop kinesthetic awareness, individual/group sensitivities, and discover the process used in creating and inventing movement.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 269 Strength and Conditioning for Athletes (1 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to teach the fundamentals of general and sport-specific conditioning to increase muscular strength, endurance, and power utilizing weights and Olympic lifting techniques. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 270 Coaching the Young Athlete (0.5 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 9 (9 lecture)
An introductory course specifically designed to aid current or future coaches of young athletes. Students are introduced to the challenges of age and gender specific considerations in training of young athletes. Topics include training guidelines for young athletes, stages of athletic development, long-term training plans, specific strategies of motivation related to age groups, and providing an environment that promotes lifelong fitness, learning and fun.
Transfer Information: CSU Transferable, UC Transferable

**PE 271 Leadership for Students Athletes (1 Unit)**
Hours: 18 (18 lecture)
Designed specifically for student athletes participating in intercollegiate athletics who want to develop leadership skills in order to work effectively with their teams.
Transfer Information: CSU Transferable, UC Transferable

**PE 277A Beginning Fitness for ESL Students (1 Unit)**
Hours: 36 (9 lecture, 27 lab)
The first course in a series of classes designed to introduce ESL students to the fundamentals of physical fitness training, nutrition, and health education. A one-hour weekly meeting is required. Exercise sessions are performed in an open lab format in the Life Fitness Center. Proper use of equipment and basic fitness concepts are emphasized.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 277B Intermediate Fitness for ESL Students (1 Unit)**
Hours: 36 (9 lecture, 27 lab)
Second course in a series of classes designed to introduce ESL students to the fundamentals of physical fitness training, nutrition, and health education. A one-hour weekly meeting is required. Exercise sessions are performed in an open-lab format in the Life Fitness Center. Low back care, muscular strength, and endurance are emphasized.
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 281 Pre-Season Intercollegiate Basketball - Women (1.5 Unit)**
Skills Advisories: Eligibility for Eng 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to enhance the skills, techniques and strategies of intercollegiate-level women's basketball players. Emphasis is placed on the mental, physical, and tactical aspects of the game in order to compete successfully at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 282 Pre-Season Intercollegiate Basketball - Men (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to enhance the skills, techniques and strategies of intercollegiate-level men's basketball players. Emphasis is placed on the mental, physical, and tactical aspects of the game in order to compete successfully at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 284 Pre-Season Intercollegiate Football (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Focus on skills and technique development. Offensive and Defensive schemes will be taught and developed. Strength conditioning is also emphasized, with a concentration on core strength, speed, and explosive movements. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 288 Pre-Season Intercollegiate Track and Field (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Track and field provides instruction and practice in the fundamentals, skills and techniques of all track and field events. Provides a conditioning program involving event-specific running and event-specific techniques and drills. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 290 Work Experience in Physical Education/Health Education (1-4 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 300 (300 lab)
Work/learning experience which provides the student an opportunity to evaluate various career opportunities within the physical education/recreation field and to apply classroom learning to field experience. Students receive credit for paid and/or volunteer work. Individual learning objectives implemented each semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**PE 293 Pre-Season Intercollegiate Volleyball - Men (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to enhance the skills, techniques and strategies of intercollegiate-level men's volleyball players. Emphasis is placed on the mental, physical, and tactical aspects of the game in order to compete successfully at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 294 Pre-Season Intercollegiate Softball-Women (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Designed to instruct individuals on the skills, techniques and principles of women's intercollegiate-level softball players. Emphasis is placed on mental, physical, and tactical aspects of the game in order to compete successfully at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 295 Internship in Physical Education/Health Education (2-4 Units)**
Limitations on Enrollment: Completion of two courses in the Physical Education department at SBCC prior to enrolling in an internship course.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 273 (273 lab)
Structured internship program in which students gain experience with community organizations and/or college programs related to the discipline. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**PE 297 Pre-Season Intercollegiate Women's Swimming (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Conditioning and swimming technique for women's swimming. Specifically designed for the highly skilled swimmer who is seeking competition in the sport of swimming. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

**PE 298 Pre-season Intercollegiate Water Polo:Women (1.5 Unit)**
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Instruction, skills technique, and strategies for Women's Water Polo. Emphasis is placed on conditioning, tactics, and skill fundamentals to compete at the intercollegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE Area E3
Transfer Information: CSU Transferable, UC Transferable

# Physical Science (PHSC)
## Credit Courses

**PHSC 103 The Physical Universe (4 Units)**
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 1 or MATH 41.
Hours: 108 (54 lecture, 54 lab)
Conceptual non-mathematical introduction to the physical sciences. Topics of current interest from astronomy, physics, chemistry, geology, weather and the environment. Practical illustrations taken from art, music, sports, the home. Recommended for all non-science majors. Satisfies General Education laboratory science requirement.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHSC 107 Nanoscience in Society (4 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 95.
Hours: 108 (54 lecture, 54 lab)
Interdisciplinary physical sciences course that uses the fundamental principles of science to examine nanoscience, nanotechnology, and the societal impact of these emerging technologies on our lives and environment. Topics of interest include development and global sustainability, nanotechnology and personal responsibility, developing a green future, the pros and cons of emerging nanotechnologies, and energy.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

# Physics (PHYS)
## Credit Courses

**PHYS 101 Conceptual Physics (3 Units)**
Skills Advisories: Eligibility for ENG 098 and proficiency in MATH 001 or MATH 041.
Hours: 54 (54 lecture)
Concept-oriented non-mathematical course in general physics. Topics include motion, heat, sound, light, electricity and modern physics. Special emphasis on everyday experience, with practical illustrations taken from art, music, sports, the home.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

**PHYS 101L Conceptual Physics Laboratory (1 Unit)**
Corequisites: PHYS 101.
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lab)
Concept-oriented laboratory in general physics. Topics include motion, heat, sound, light, electricity and modern physics. Special emphasis on everyday experience, with practical illustrations taken from art, music, sports, the home.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 102 Introductory Physics For Science Majors (4 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 104 or MATH 107 or MATH 111.
Hours: 108 (54 lecture, 54 lab)
Introductory course, with quantitative applications and problem-solving introduced where appropriate, for students majoring in the physical sciences. Topics include the meaning of physical law, vectors, Newton's Laws of Motion (classical physics), work and energy, waves, electricity, magnetism, light, atomic and nuclear physics.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 105 General Physics (4 Units)**
Prerequisites: Mah 137 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 108 (54 lecture, 54 lab)
Newton's Laws of Motion, statics and dynamics of particles and rigid bodies, work and energy, rotational motion, fluid statics and dynamics, temperature and heat, thermodynamics, wave motion and sound.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 105D Physics Discussion I (1 Unit)**
Corequisites: PHYS 105 or PHYS 110.
Hours: 54 (54 lab)
Concurrent Discussion session designed to accompany PHYS 105 or PHYS 110. This course will allow for extra practice and group discussion of the course topics, and also cover more in-depth problem solving techniques and applying the concepts to real world scenarios. Topics include Newton's Laws of Motion, statics and dynamics of particles and rigid bodies, work and energy, rotational motion, fluid statics and dynamics, temperature and heat, thermodynamics, wave motion and sound.
Transfer Information: CSU Transferable, UC Transferable

**PHYS 106 General Physics (4 Units)**
Prerequisites: MATH 137 or equivalent based on SBCC's Assessment Center placement via multiple measures.
Hours: 108 (54 lecture, 54 lab)
, PHYS 105. Electricity, magnetism, circuits, optics, relativity, atomic and nuclear physics.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 106D Physics Discussion II (1 Unit)**
Corequisites: PHYS 106 or PHYS 111.
Hours: 54 (54 lab)
Concurrent Discussion session designed to accompany PHYS 106 or PHYS 111. This course will allow for extra practice and group discussion of the course topics, and also cover more in-depth problem solving techniques and applying the concepts to real world scenarios. Topics include electricity, magnetism, circuits, optics, relativity, atomic and nuclear physics.
Transfer Information: CSU Transferable, UC Transferable

**PHYS 110 Introductory Physics (4 Units)**
Prerequisites: MATH 130 or MATH 150.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
Newton's Laws of Motion, statics and dynamics of particles and rigid bodies, work and energy, rotational motion, fluid statics and dynamics, temperature and heat, thermodynamics, wave motion and sound. (Appropriate for Life Science majors requiring calculus-level physics).
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 111 Introductory Physics (4 Units)**
Prerequisites: PHYS 110 and MATH 130 or MATH 150.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
Electricity, magnetism, circuits, optics, relativity, atomic and nuclear physics. Appropriate for Life Science majors requiring calculus-level physics.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 121 Mechanics Of Solids And Fluids (5 Units)**
Prerequisites: PHYS 102 or trigonometry based High School Physics and Math 150.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 126 (72 lecture, 54 lab)
For Engineering and Physical Science students. Statics and dynamics of particles and rigid bodies, Newton's Laws of Motion, conservation principles, rotational motion, simple harmonic motion, wave motion and sound, and introduction to hydrostatics and hydrodynamics.
SBCC General Education: SBCCGE Area A
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 121W Workshop for Physics 121 (1 Unit)**
Corequisites: PHYS 121 (concurrent).
Hours: 54 (54 lab)
"Excellence in Mathematics, Science and Engineering" (EMSE) supplementary problem-solving workshop designed for PHYS 121.

**PHYS 122 Electricity and Magnetism (5 Units)**
Prerequisites: PHYS 121 and MATH 160.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 126 (72 lecture, 54 lab)
For Engineering and Physical Science students. Electrostatics, Coulomb's Law, Gauss' Law, capacitors and dielectrics, DC circuits, Ohm's Law, magnetism, and electromagnetism, Ampere's Law, Faraday's Law, alternating current theory, electrical oscillators, electromagnetic radiation and electromagnetic waves.
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 122W Workshop for Physics 122 (1 Unit)**
Corequisites: PHYS 122 (concurrent).
Hours: 54 (54 lab)
"Excellence in Mathematics, Science and Engineering" (EMSE) supplementary problem-solving workshop designed for PHYS 122.

**PHYS 123 Heat, Light and Modern Physics (5 Units)**
Prerequisites: PHYS 121 and MATH 160.
Skills Advisories: Eligibility ENG 110 or ENG 110H.
Hours: 126 (72 lecture, 54 lab)
For Engineering and Physical Science students. Mechanical waves, thermodynamic processes and systems, kinetic theory, light and modern physics.
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable

**PHYS 123W Workshop for Physics 123 (1 Unit)**
Corequisites: PHYS 123 (concurrent).
Hours: 54 (54 lab)
"Excellence in Mathematics, Science and Engineering"(EMSE) supplementary problem-solving workshop designed for PHYS 123.

**PHYS 298 Independent Reading in Physics (1-4 Units)**
Limitations on Enrollment: To be eligible for independent reading, a student must have completed 12 units at SBCC with a G.P.A. of 2.5 and a minimum of 4 units with a G.P.A. of 2.5 in the Physics Department.
Hours: 192 (192 lab)
Other: To be eligible for independent reading, a student must have completed 12 units at SBCC with a G.P.A. of 2.5 and a minimum of 4 units with a G.P.A. of 2.5 in the Physics Department. Independent literature search and/or reading of material on a topic in physics. Student works under guidance and direction of sponsoring faculty member on project consistent with interests and abilities. A final report, including an annotated bibliography, is required.
Transfer Information: CSU Transferable

**PHYS 299 Independent Research in Physics (1-4 Units)**
Limitations on Enrollment: Completion of a minimum of 12 units at SBCC, with a 2.5 G.P.A., and a minimum of 4 units, with a 2.5 G.P.A. within the department.
Hours: 192 (192 lab)
Independent, systematic research investigation of a problem in physics. A final report on research conducted is required. May be taken four times for credit. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Political Science (POLS)
## Credit Courses

**POLS 101 American Government And Politics (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to Constitutional principles and their application to the political process and institutions of the United States and the State of California. Attention given to political ideas, processes and issues.
SBCC General Education: SBCCGE Area B, SBCCGE Area E2
Transfer Information: CSUGE Area D8, CSU US-2, CSU US-3, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 102 American Government And Politics: Discussion (1 Unit)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Optional course intended to augment student understanding of the political process and related issues as presented in Political Science 101.
Transfer Information: CSU Transferable, UC Transferable

**POLS 104 American Government: Policy Issues/Process (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Study of formulation, enactment and impact of public policy issues in the U.S. and the state of California, including environment, health care, energy, poverty and welfare, defense, criminal justice, education, civil rights and budgets. Emphasis on policy models, processes and issues.
SBCC General Education: SBCCGE Area B, SBCCGE Area E2
Transfer Information: CSUGE Area D8, CSU US-2, CSU US-3, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 108 California Government and Politics (2 Units)**
Hours: 72 (18 lecture, 54 lab)
Prerequisite or Corequisite POLS 101. Analysis and hands-on experience of the policy process in Sacramento/California, studying and meeting with state and local government entities and all the principals involved in the policy process, from inception to policy implementation. Special Fee: Field Trip fee of $900.00 will cover lodging, meals and incidentals. Scholarships are available.
Transfer Information: CSU Transferable, UC Transferable

**POLS 110 Politics, Society And The Mass Media (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examination of the role played by the mass media in contemporary political society. This survey course includes a focus on such topics as national and international propaganda, the evolution of television and campaign advertising, news analysis, television and political information, government regulation and First Amendment controversies.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 121 International Politics (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to the field of international politics. Discussion of the history of international politics, including the emergence of nation-states, international organization, and nongovernmental organizations. Use of various international relations theories to analyze war and conflict, diplomacy and cooperation, and foreign policy making.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 121H International Politics, Honors (4 Units)**
Limitations on Enrollment: Admission to Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Introduction to the field of international politics. Discussion of the history of international politics, including the emergence of nation-states, international organizations and nongovernmental organizations. Use of various international relations theories to analyze war and conflict, diplomacy and cooperation, and foreign policy making.
SBCC General Education: SBCCGE Area E5
Transfer Information: CSUGE Area D, IGETC Area 4, CSU Transferable, UC Transferable

**POLS 122 International Organizations: Global and Regional Governance (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Focuses on the history and current actions of international organizations, such as the UN and the EU, and their diverse member states. Discussion of a variety of international problems, such as effective governance, war, economic development, environmental problems and human rights. Students participate in an in-class simulation activity.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 131 Comparative Politics (3 Units)**
Course Advisories: POLS 101 or POLS 121.
Hours: 54 (54 lecture)
Comparative analysis of different kinds of political systems, including their history, political institutions, processes and policies; the environments in which they occur; and their consequences. Comparisons will be made between autocratic and democratic political systems and the political institutions of selected countries, such as Russia, China, Iran, Britain, France and Germany.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 132 Political Thinking (3 Units)**
Course Advisories: POLS 101.
Hours: 54 (54 lecture)
Exploration of fundamental issues in political theory as interpreted by such thinkers as Plato, Aristotle, Hobbes, Locke, Burke, Rousseau, Marx and others.
Transfer Information: CSUGE Area C2, CSUGE Area D8, IGETC Area 3B, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 134H Political Violence, Honors (4 Units)**
Limitations on Enrollment: Admission to Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Interdisciplinary study of origin, causes, dimensions and kinds of political violence, from regicide to terrorism, from revolution to war. Emphasis on theoretical and historical studies of political violence.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 136 Middle East Government And Politics (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to the comparative study of the governments and politics of Middle Eastern states. Emphasis on the study of the relationships between political development, political organization and social structure and such concepts as tradition, modernity, autocracy, democracy and political transition.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 151 Law And Society (3 Units)**
Hours: 54 (54 lecture)
Study of the American judicial system as a political institution. Courts, judges, lawyers and police will be examined. Emphasis placed on issues involving the criminal justice system.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

**POLS 295 Internship in Political Science (2-4 Units)**
Limitations on Enrollment: Completion of two courses in Political Science at SBCC prior to enrolling in an internship course.
Hours: 273 (273 lab)
Internship program in which students gain experience in community organizations related to the discipline.
Transfer Information: CSU Transferable

**POLS 299 Independent Study in Political Science (1-4 Units)**
Limitations on Enrollment: Other: Completion of a minimum of 12 units at SBCC, with a 2.5 GPA, and a minimum of six units, with a 3.0 GPA within the department.
Hours: 192 (192 lab)
Limitations on Enrollment: Completion of a minimum of 12 units at SBCC, with a 2.5 GPA, and a minimum of six units, with a 3.0 GPA within the department. Independent study course that provides an opportunity for students to explore a specific political science topic in depth, while working closely with their professor.
Transfer Information: CSU Transferable

# Professional Development (PRO)
## Credit Courses

**PRO 138D Personal Planning (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Learning to evaluate a career. How to identify opportunities and evaluate skills, interests and identify needed training for chosen career path.

**PRO 290 Professional Development Studies Work Experience (1-4 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 300 (300 lab)
Consists of supervised employment for students whose career objectives, course of study and employment complement each other. Students must accomplish specific course objectives. Course restricted to 3 repetitions

**PRO 292 Service Learning Experience (0.5-4 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 240 (240 lab)
Consists of community-based volunteer experience, plus two scheduled office hours and other conference hours. Supervised volunteerism of students with the goal of experiential learning, improved self-esteem and career awareness acquired in community and public service settings. Volunteer positions need not be related to students' educational goals or college major. Students follow agencies' policies, rules and regulations; write learning objectives; keep a record of time worked; complete a student data sheet; and secure agency supervisor's evaluation at the end of the semester.
Transfer Information: CSU Transferable

# Psychology (PSY)
## Credit Courses

**PSY 100 General Psychology (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Psychology is the scientific study of behavior and mental processes. This survey course serves as a foundation for further studies in psychology. Theories and research pertaining to the biological basis of behavior, human development, perception, emotions, learning, cognition, consciousness, intelligence, motivation, personality, social influences on behavior, mental disorders and psychotherapy are covered.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU Transferable, UC Transferable

**PSY 100H General Psychology, Honors (4 Units)**
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and Math 104 or
Math 107 or Math 111 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Survey of psychology as a science. Principles of behavior, maturation,
emotions, intelligence, learning, thinking, motivation and personality
are some of the many topics covered. This Honors class emphasizes
the development of creative application and critical analyses of these
behavioral principles.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU
Transferable, UC Transferable

**PSY 105 Applied Behavior Analysis (2 Units)**
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 36 (36 lecture)
Basic concepts of behavior analysis, and application of these principles
to various life domains (increasing physical activity, athletic performance,
coaching, education, substance-dependence, psychotherapeutic
treatment). Single-subject research methods, and social, ethical and
professional issues relevant to applied behavior analysis.
Transfer Information: CSU Transferable

**PSY 106 Positive Psychology (3 Units)**
Prerequisites: PSY 100 or 100H.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Scientific study of psychological strengths and optimal functioning
including (1) positive subjective states, such as happiness, satisfaction,
love and contentment; (2) positive individual traits, such as courage,
honesty, kindness and wisdom; and (3) positive institutions, such as
healthy families, work environments and communities.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSU Transferable, UC Transferable

**PSY 110 Introduction to Physiological Psychology (3 Units)**
Prerequisites: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Elementary physiology of the nervous system. Physiological mechanisms
underlying sensation, perception, emotion, arousal, motivation, learning,
and cortical specialization. Function of the endocrine system. Intended
primarily for psychology majors as part of the lower-division pre-major
pattern. Also useful for students in allied health fields.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable,
UC Transferable

**PSY 112 Introduction to Cognitive Psychology (3 Units)**
Course Advisories: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
An introduction to the general concepts and experimental approaches in
the study of cognitive psychology. Topics include mental processes such
as pattern recognition, perception, memory, thinking, problem solving and
comprehension of language. Also included is an overview of experimental
procedures used to study human sensation, perception and cognition.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D, CSUGE Area E, IGETC Area 4, CSU
Transferable, UC Transferable

**PSY 115 Psychology Of Health And Effective Behavior (3 Units)**
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Issues in personal and social adjustment to prepare students for a
life-long understanding of themselves as integrated persons. Study of
personality, personal development, psychological and physical aspects of
stress and health, abnormal behavior, coping skills, therapy, interpersonal
communication, intimacy, family relationships, gender issues, and
effective functioning at work and as a parent.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU
Transferable, UC Transferable

**PSY 120 Introduction To Psychology (3 Units)**
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Introduces students to the general field of psychology. Examines basic
principles of human behavior and how they may be applied effectively in
daily living situations.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable,
UC Transferable

**PSY 125 Psychology Of Human Sexuality (4 Units)**
Course Advisories: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
Focuses on major aspects of human sexuality: psychological
perspectives, research findings, human sexual response cycles, gender
differentiation, sexuality through the life span, and diversity in human
sexuality. Includes communication and relationship dynamics; love,
romance and dating patterns; birth control, pregnancy and parenthood;
sexual dysfunction and treatment; and the issues of sexual abuse and
harassment.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU
Transferable, UC Transferable

**PSY 130 Personality Dynamics And Effective Behavior (3 Units)**
Course Advisories: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Personality theory, assessment and development, interpersonal
communications, abnormal behavior, mental hygiene and psychotherapy.
Study of psychological systems. Intended for either Psychology majors
or as a useful elective for vocations dealing with people. Also includes
mental health principles for personal growth.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU
Transferable, UC Transferable

**PSY 135 Psychology of Film (3 Units)**
Corequisites: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for English 110 or English 110H.
Hours: 54 (54 lecture)
Introduction to human psychological behavior, as portrayed through the medium of film. Students view and analyze films and discuss how filmmakers achieve psychological reactions in their audience members. Topics include human personality and development of individual differences; motivation; learning; memory; sensation and perception; physical, emotional and social development; abnormal behavior; aggression; and interpersonal relationships.
SBCC General Education: SBCCGE Area B, SBCCGE Area C
Transfer Information: CSUGE Area C2, CSUGE Area D7, CSUGE Area D9, IGETC Area 4G, IGETC Area 4I, CSU Transferable, UC Transferable

**PSY 140 Child Development (3 Units)**
Skills Advisories: Eligibility for ENG 98.
Hours: 54 (54 lecture)
History and philosophy of care and development of the child, from conception through adolescence, with emphasis on the preschool and elementary school-age child. Studies include children's developmental characteristics, records of children's growth, individual differences, personality development, and signs of physical or emotional disturbance. Emphasis placed on normal healthy development. Includes child observation and reports.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU Transferable, UC Transferable

**PSY 145 Human Development (3 Units)**
Course Advisories: PSY 100 or 100H or PSY 120.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
This course provides an overview, from a psychological perspective, of human physical, cognitive, and social development, as well as developmental problems, and the biological and environmental influences on development, from conception through death. The course examines the theories, research findings, and methodological approaches to human development through the life span.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU Transferable, UC Transferable

**PSY 150 Statistics for the Behavioral Sciences (4 Units)**
Prerequisites: MATH 107 or Equivalent through placement by the Assessment Center using multiple measures.
Course Advisories: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Principles and procedures of measurement, data analysis, probability, sampling theory and statistical significance. Covers basic descriptive statistics, including measures of linear relationships and standard scores. Covers the logic of hypothesis testing and inferential statistics up to analysis of variance, including a conceptual introduction to factorial designs. Students conduct analyses by hand and computer software.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**PSY 170 Abnormal Psychology (3 Units)**
Prerequisites: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to assessment, diagnosis, treatment, research and prevention of mental disorders. Covers the major DSM disorders, including the phenomenology, etiology and treatment of anxiety, affective, dissociative, somatoform, psychophysiological, schizophrenic, sexual dysfunctions, paraphilias and gender identity disorder; substance-related; impulse-control; developmental, cognitive and personality disorders. Theories, therapies, research, legal and social issues are addressed.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable, UC Transferable

**PSY 175 Social Psychology: Psychological Perspective (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Social Psychology studies how our thoughts, feelings and behavior are influenced by others. It takes a scientific approach, emphasizing that behavior is strongly influenced by social situations. Topics covered are the self; social cognition; attitudes and prejudice; social influences of culture; persuasive techniques; groups; relationships; aggression; and pro-social actions.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable, UC Transferable

**PSY 200 Research Methods and Experimental Design in Psychology (4 Units)**
Prerequisites: PSY 100 or PSY 100H and PSY 150 or MATH 117 or MATH 117H.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
The logic of and empirical procedures used in psychological research, with emphasis on experimental, quasi-experimental, and correlational research methods. Covers ethical principles used to guide research. Includes practical applications of descriptive and inferential statistics. Students will analyze research studies, participate in designing and conducting a research project, and write an APA research report.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable, UC Transferable

**PSY 210 Introduction to Psychopharmacology (3 Units)**
Course Advisories: PSY 100H or PSY 100, ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
An introduction to clinical and nonclinical use of psychoactive drugs. Students gain an understanding of the effects of both therapeutic and recreational drugs on brain chemistry, and their role in modifying behavior and mental processes. Includes historical perspectives on drug use, drug development stages, and pharmacokinetics and pharmacodynamics of psychoactive drugs.
Transfer Information: CSUGE Area D, CSUGE Area F, IGETC Area 4, CSU Transferable, UC Transferable

**PSY 295 Internship In Psychology (2-4 Units)**
Limitations on Enrollment: Completion of two courses in Psychology at SBCC prior to enrolling in course.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 277 (4 lecture, 273 lab)
Five-20 lab hours per week (plus weekly meeting with instructor). Students gain work experience in clinical/community outreach programs and/or research laboratories.
Transfer Information: CSU Transferable

**PSY 299 Independent Study In Psychology (1-4 Units)**
Limitations on Enrollment: Six units of Psychology with a 3.0 or above GPA; minimum 12 units of course work completed at SBCC, with a GPA of at least 2.5.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 192 (192 lab)
Student works under guidance and direction of sponsoring faculty member on project consistent with interests and abilities. Minimal weekly meetings required. May be taken for one to four (4) units of credit. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# Radiologic and Imaging Sciences (RT)

## Credit Courses

**RT 100 Radiography and Health Care (2 Units)**
Hours: 32 (36 lecture)
Introduction, overview and orientation for those interested in exploring diagnostic medical imaging or other health care careers. Completion of this course and departmental prerequisites satisfy the requirements for entry into the Radiography Associate Degree Program.
Transfer Information: CSU Transferable

**RT 101 Introduction To Radiography (2.33 Units)**
Prerequisites: RT 100 and BMS 107 and BMS 108.
Hours: 43.4 (43.4 lecture, 0 lab)
Introduction to basic radiographic imaging concepts, terminology, patient care and other entry level topics. Specific attention is given to the radiography program's policies and procedures, and the clinical workbook. This class is intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 102 Fundamentals of Radiographic Positioning and Procedures I (4 Units)**
Prerequisites: RT 101 and HIT 135.
Hours: 108 (54 lecture, 54 lab)
Precise and detailed information on routine radiographic procedures of the chest, abdomen and appendicular skeleton. Portable and traumatic exams are also included. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 103 Fundamentals Of Radiographic Positioning And Procedures II (4 Units)**
Prerequisites: RT 102.
Hours: 108 (54 lecture, 54 lab)
Basic principles of positioning for the axial skeleton to include vertebral column, skull, facial bones contrast procedures for the gastrointestinal and genito-urinal tract.
Transfer Information: CSU Transferable

**RT 109 Principles of Radiographic Exposure (3 Units)**
Prerequisites: RT 101.
Hours: 54 (54 lecture)
Provides first-year radiography students with the basic principles of image production, exposure techniques, photographic and geometric factors, computed and direct digital radiography and radiation protection. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 111 Advanced Principles of Exposure (3 Units)**
Prerequisites: RT 109.
Hours: 54 (54 lecture)
Principles of x-ray exposure are examined on image production in computed radiography, digital imagine systems, analog and digital fluoroscopic systems.
Transfer Information: CSU Transferable

**RT 119 Radiological Technology (3 Units)**
Prerequisites: RT 109 and RT 102.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 54 (54 lecture)
Designed specifically for radiation physics. The primary focus is on the fundamental concepts of energy and measurement, atomic structure, molecules, electricity, magnetism, electromagnetism, x-ray tubes, production, emission and interactions.
Transfer Information: CSU Transferable

**RT 120 Patient Care in Radiography (3 Units)**
Prerequisites: BMS 107 and BMS 108.
Hours: 54 (54 lecture)
Provides the student with the concepts and the role of an imaging professional in patient care, including consideration for the physical and psychological needs of the patient and family. Routine and emergency patient care procedures as well as infection control protocols, and contrast media/medication administration. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 121 Venipuncture In Radiography (0.6 Units)**
Limitations on Enrollment: Must be a Licensed Radiographer.
Hours: 11 (11 lecture)
Provides the student with concepts of venipuncture and contrast media/medication administration. The role of the radiographer in administration of contrast media, legal aspects of contrast media injection, anatomy and physiology related to I.V. injections are identified.
Transfer Information: CSU Transferable

**RT 191 Radiographic Technology Clinical Practicum I (5 Units)**
Prerequisites: RT 101.
Corequisites: RT 102.
Hours: 270 (270 lab)
Concurrent The first of four rotations at a recognized clinical affiliate. Students will commence their internship one week prior to the beginning of the school semester. Introduction to the clinical settings and exposure to departmental organization, patient flow, CR/DR and PACs, observation of techniques employed to perform radiographic procedures, and policies and procedures for clinical competency exams. The student performs radiographic procedures under the direct supervision of a licensed technologist.
Transfer Information: CSU Transferable

**RT 191A Radiographic Technology Clinical Practicum 1A (2.1 Units)**
Prerequisites: RT 191 and RT 109.
Hours: 113.4 (113.4 lab)
Designed to give each advanced student the opportunity to improve their clinical skills, as well as accumulate the required clinical hours as designated by the California Department of Health, Title 17. The total number of hours performed during the winter intersession is 112.
Transfer Information: CSU Transferable

**RT 192 Radiographic Technology Clinical Practicum 2 (5 Units)**
Prerequisites: RT 191.
Hours: 270 (270 lab)
Continuation at the first recognized clinical affiliate of four rotations. Students are assigned 16 hours per week, totaling 240 hours for the semester. During this supervised experience, the student observes and performs diagnostic radiographic procedures. The student must demonstrate competency in recently taught radiographic exam, as well as in the exams previously evaluated.
Transfer Information: CSU Transferable

**RT 202 Advanced Radiographic Procedures (3 Units)**
Prerequisites: RT 250.
Hours: 54 (54 lecture)
Provides the advanced radiography student with a survey of advanced imaging and an introduction to special invasive procedures in radiation sciences.
Transfer Information: CSU Transferable

**RT 203 Radiology Certification Preparation (4 Units)**
Hours: 72 (72 lecture)
Review of those subjects deemed critical for the ARRT examination. Consists of lectures, both by the instructor and guest, simulated registry examinations and a computer-assisted learning program.

**RT 220 Radiation Biology Protection (3 Units)**
Prerequisites: RT 103 and RT 111.
Hours: 54 (54 lecture)
Radiation protection for operator and patients complying with the State of California Administrative Code, Title 17. Biological effects, dose-effect relationships and long-term somatic and genetic effects of radiation exposure are discussed, in addition to fluoroscopic radiation safety regulations. Approved by the California Department of Public Health (CDPH) and prepares students for the California State Fluoroscopy Examination. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 230 Radiographic Pathology (3 Units)**
Prerequisites: RT 103.
Hours: 54 (54 lecture)
Introduction to more advanced pathological conditions for second-year students. Differentiates normal radiographic anatomy from pathologic conditions. Encompasses both the anatomy and physiology of each pathologic condition. Students identify, evaluate and present common pathologic conditions throughout the course. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 250 Principles and Applications of Cross-Sectional Anatomy in Imaging (2 Units)**
Prerequisites: BMS 107 and BMS 108.
Hours: 36 (36 lecture)
Provides an understanding of cross-sectional anatomy and knowledge of the relationships of human organs to each other as they appear in the sagittal, coronal and axial plane. The practical applications of cross-sectional with C.T., M.R.I. and ultrasound are emphasized. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 251 Principles of Mammography and Procedures (2 Units)**
Prerequisites: RT 119 and BMS 107 and BMS 108.
Hours: 36 (36 lecture)
Technical and procedural aspects of mammography including breast anatomy, physiology, positioning, compression, quality assurance techniques, implant imaging and mass localization. Successful completion of this course entitles the student to a Certificate of Completion of a 40 hour course in mammography education. Prepares students and radiographers to pass the State of California and ARRT certification exam in mammography. Intended for students in the Radiologic Technology Program; enrollment is limited to students accepted in the program.
Transfer Information: CSU Transferable

**RT 290 Work Experience in Radiography (1-4 Units)**
Limitations on Enrollment: Enrollment in a Radiology course, or current California Radiologic Technology license and at least one year's experience as a licensed Radiologic Technologist in a medical establishment within the preceding three years.
Hours: 300 (300 lab)
Consists of supervised on-the-job work experience for students whose radiology career objectives and course of study or employment complement each other. Students must accomplish specific course objectives. Class meetings are scheduled each semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

**RT 293 Radiographic Technology Clinical Practicum 3 (7 Units)**
Prerequisites: RT 192.
Hours: 378 (378 lab)
The second of four rotations at a recognized clinical affiliate. Students are assigned 40 hours per week, totaling 360 hours for the 10-week semester. The rotation allows students an opportunity to enhance basic skills, positioning techniques, patient care and understanding of clinical operations. The student must demonstrate continued competency in those exams previously mastered and additional competencies throughout the semester.
Transfer Information: CSU Transferable

**RT 294 Radiographic Technology Clinical Practicum 4 (8 Units)**
Prerequisites: RT 293.
Hours: 432 (432 lab)
The third of four rotations at a recognized clinical affiliate. The course is designed to increase a students' technical and clinical proficiency in routine and advanced radiographic procedures under the supervision of the department radiographers, and clinical preceptor. The student must demonstrate competency of recently taught radiographic exams, plus continued competency of exams previously evaluated.
Transfer Information: CSU Transferable

**RT 295 Radiographic Technology Clinical Practicum 5 (8.6 Units)**
Prerequisites: RT 294.
Hours: 464 (464 lab)
Fifth in a series of clinical education courses to increase technical and clinical proficiency in routine and advanced X-ray procedures under supervision of the clinical coordinator/clinical instructor and departmental radiographers. The student must demonstrate competency of recently taught radiographic exams, plus continued competency of exams previously evaluated.
Transfer Information: CSU Transferable

**RT 299 Independent Study In Radiography (1-4 Units)**
Limitations on Enrollment: Completion of a minimum of 12 units at SBCC, with a 2.5 G.P.A., and a minimum of 6 units, with a 3.0 G.P.A. within the department One to three hours of work/conference time per week to be coordinated with number of enrolled units.
Course Advisories: RT 103.
Hours: 216 (216 lab)
Independent research in radiography under the guidance of a sponsoring faculty member. The project to be consistent with the ability and interest of the student and may be conducted in the laboratory and/or the field. Each unit of credit is equal to three hours of work. NOTE: Continuation in the clinical area on a full-time basis will take place after graduation. This is done in order to complete the 24-month program requirement and will terminate upon the student's anniversary date.
Transfer Information: CSU Transferable

# Real Estate (RE)
## Credit Courses

**RE 101 Real Estate Principles (3 Units)**
Hours: 54 (54 lecture)
This fundamental real estate course emphasizes the basic concepts and terminology necessary for understanding the complexities of the real estate profession. This is one of eight courses required for qualification to take the California Real Estate Broker or Sales Agent Exam.
Transfer Information: CSU Transferable

**RE 102 Real Estate Practices (3 Units)**
Course Advisories: RE 101.
Hours: 54 (54 lecture)
Fundamental real estate practices affecting the ownership and transfer of real property interests, operating a real estate business, techniques and procedures of real property transactions, and buying and leasing real property for residency and investment. One of eight required courses for those who wish to take the California Real Estate Broker's Examination.
Transfer Information: CSU Transferable

**RE 203 Real Estate Finance (3 Units)**
Course Advisories: RE 101.
Hours: 54 (54 lecture)
Analysis of money markets, interest rates and real estate financing; and guidelines for financing real property, including residential, multi-family, commercial and special-purpose property. One of eight required courses for those who wish to take the California Real Estate Broker's Examination.
Transfer Information: CSU Transferable

**RE 204 Legal Aspects of Real Estate (3 Units)**
Course Advisories: RE 101.
Hours: 54 (54 lecture)
Applied study of California real estate for knowledge of procedures for transfer, use and acquisition of property. Elements of contracts, leases and escrow instructions covered. One of eight required courses for those who wish to take the California Real Estate Broker's Examination.
Transfer Information: CSU Transferable

**RE 205 Real Estate Appraisal (Residential) (3 Units)**
Course Advisories: RE 101.
Hours: 54 (54 lecture)
A course in business that explores the methods and procedures for determining value of and the depreciation of real property. This is one of eight courses required for qualification to take the California Real Estate Broker's Exam; this class satisfies several required classes for the California State Appraisal License.
Transfer Information: CSU Transferable

**RE 207 Property Management (3 Units)**
Course Advisories: RE 101.
Hours: 54 (54 lecture)
Study of the responsibilities of real property management and the review of influences on the real estate market. Management techniques including planning, tenant selection, review of and writing leases, property maintenance, record keeping requirements, client relations, and related law. One of eight courses required for the California Real Estate Broker's Exam.
Transfer Information: CSU Transferable

# Science, Technology, Engineering and Mathematics (STEM)
## Credit Courses

**STEM 101 Introduction to Science, Technology, Engineering and Mathematics (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103 and MATH 104 or MATH 107 or MATH 111.
Hours: 54 (54 lecture)
Introduction to sciences (biology, chemistry, computer science, earth sciences, engineering, geography, mathematics, physics) and their interdependence. Discussion of scientific method through project-based activities, testing of hypotheses, systematic questioning and analysis. Basic concepts of the sciences, the role of science as a human endeavor and the power of scientific inquiry. Careers in sciences and educational planning.
Transfer Information: CSU Transferable, UC Transferable

# Social Science (SS)

## Credit Courses

### SS 101 Introduction to the Social Sciences (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
A theme-focused survey course of the social sciences. Also serves as a foundation for further studies in a chosen major discipline. It entails the social scientific study of human development, from macro, micro and multidisciplinary perspectives and disciplines, with specific focus on exemplary disciplinary concepts, educational requirements, and career opportunities.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

### SS 110C Pre-Statistics Support for the Social Sciences (2 Units)
Corequisites: PSY 150 or SOC 125.
Skills Advisories: Eligibility for ENG 098.
Hours: 36 (36 lecture)
Concurrent Elements of beginning and intermediate algebra needed for statistics, liberal arts mathematics or other non-mathematics-intensive fields. Topics include modeling using expressions, equations, functions and graphs; polynomial inequalities; and algebra of functions in data analysis, geometry and/or symbolic logic. May be accompanied by co-requisite/concurrent or prerequisite/preparatory support based on local placement practices and course offerings for students needing more foundational skills.
SBCC General Education: SBCCGE Area E1

# Sociology (SOC)

## Credit Courses

### SOC 101 Introduction To Sociology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to the study of society and everyday life, examining a diverse range of topics on human behavior and social structure. Focuses on developing a sociological perspective, through theory, research, and application. Topics include culture, the self, interaction, groups, deviance and social inequality, social institutions, social change. Examines contemporary American society in global perspective.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

### SOC 101H Introduction to Sociology, Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for English 110 or English 110H.
Hours: 72 (72 lecture)
Introduction to the study of society and everyday life, examining a diverse range of topics on human behavior and social structure. Focuses on developing a sociological perspective, through theory, research, and application. Examines contemporary American society in global perspective. Emphasis on reading and discussing classic and contemporary texts, and producing original research.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

### SOC 103 Marriage, Family and Intimacy (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Investigates the family as a social and cultural institution. Examines the increasing diversity of American families, along with cross-cultural comparisons. Examines gender roles in the family and intimate relationships. Topics include love, partner selection, marital adjustment, communication and conflict resolution, divorce, domestic violence and parenting.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D0, CSUGE Area E, IGETC Area 4J, CSU Transferable, UC Transferable

### SOC 104 Social Psychology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introductory course which examines the relationship between the individual and society, and how each is shaped and influenced by the other from a sociological perspective. Covers theoretical approaches, methodological applications, and empirical studies of human behavior within the social environment.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

### SOC 106 Sociology of Deviance (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examination of deviance and social control in contemporary society, using the sociological perspective. Focuses on the social processes involved in the construction of deviance, and its functions and impacts on individuals and society. Covers interpersonal and family violence; mental disorders; deviant sexuality; drug and alcohol use; and property, white-collar and organized crime.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, CSUGE Area E, IGETC Area 4J, CSU Transferable, UC Transferable

### SOC 107 Racism in America (3 Units)
Same as: ETHS 107
Hours: 54 (54 lecture)
This course examines race and ethnicity and the impacts of racism upon selected racial and ethnic groups in American society. Covers major theories on the development of racial attitudes and behavior. Attention is also given to the relationship between racism, sexism, and class oppression.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D3, CSUGE Area F, IGETC Area 4, IGETC Area 4C, IGETC Area 7, CSU Transferable, UC Transferable

### SOC 109 Social Problems (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introductory course which analyzes a variety of contemporary issues from a sociological perspective. Uses social theory and research methods to gain insight into the nature, extent, consequences and possible solutions to social problems in the United States and globally.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

**SOC 110 Culture and Society Through Cartoons (3 Units)**
Same as: ANTH 110
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
This course will investigate ideas and themes related to culture, society, and media using episodes and excerpts from The Simpsons and South Park. Sociological and anthropological theories and methodologies will be discussed, specifically examining elements of culture, the development of the self, and contemporary American society.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D0, CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable

**SOC 113 Sociology Of Sex and Gender (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introductory course designed to examine the changing roles of women and men in contemporary American society.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D0, CSUGE Area E, IGETC Area 4J, CSU Transferable, UC Transferable

**SOC 115 Introduction To Social Research (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introductory course which explores the variety of methods used by sociologists to study the social world and human behavior. Examination of classic and contemporary studies as models of research. Emphasis on doing social research, from designing a project, to collecting and analyzing data on various topics of interest to students.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

**SOC 117 Drugs and Society (3 Units)**
Hours: 54 (54 lecture)
Introduces concepts, theories and perspectives associated with the sociological analysis of psychoactive substances. Examines the relationship between drugs and social contexts. Investigates why people find consciousness alteration meaningful, what kinds of experiences and problems arise, and what types of social policies emerge to control drug use. Illegal drugs and legal drugs, as well as psychotherapeutic drugs, will be discussed and analyzed using the sociological perspective.
Transfer Information: CSU Transferable

**SOC 118 Media, Culture and Society (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Critical examination of the media and culture from a sociological perspective. Focuses on how the media is shaped and influenced by society, culture and the individual. Covers a variety of topics, including the role of media in ideology and identity; economics and politics; race, class and gender; social change, technology, and globalization.
SBCC General Education: SBCCGE Area B
Transfer Information: CSUGE Area D0, CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable

**SOC 120 Introduction to Social Work (3 Units)**
Hours: 54 (54 lecture)
An introductory overview of social welfare in the U.S.and the provision of social services. The course presents a historical perspective on the development of social work and human services. Special attention is given to current service delivery systems, their policies and procedures, legal and ethical considerations, diverse populations, and the tasks and responsibilities of culturally responsive social workers and human service workers within those settings.
Transfer Information: CSU Transferable

**SOC 121A Seminar: Social Work and Human Services (1 Unit)**
Prerequisites: SOC 120 or SOC 101 or PSY 100 or PSY 100H or SOC 101H.
Corequisites: SOC 121B.
Hours: 18 (18 lecture)
Concurrent Offers an academic framework in which students can learn, discuss, and reflect on skills utilized in supervised volunteer field-internships in social work/human services settings (community organizations, agencies, or institutions). This course allows students the opportunity to develop skills and work experience in preparation for gaining employment in related fields.
Transfer Information: CSU Transferable

**SOC 121B Fieldwork: Social Work and Human Services (2 Units)**
Prerequisites: SOC 120 or PSY 100 or SOC 101 or PSY 100H or SOC 101H.
Corequisites: SOC 121A.
Hours: 108 (108 lab)
Concurrent Prepares students to be successful in doing fieldwork components, and helps to facilitate gaining employment in social work/human services fields. Provides experiential practice and guidance for professional development through skill building exercises, discussions and performance exams.
Transfer Information: CSU Transferable

**SOC 125 Introduction to Statistics in Sociology (4 Units)**
Prerequisites: MATH 107 or Equivalent through placement by the Assessment Center using multiple measures.
Hours: 72 (72 lecture)
The use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Applications using data from a broad range of disciplines.
SBCC General Education: SBCCGE Area D2, SBCCGE Area E1
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

**SOC 127 Introduction to Women's Studies (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to feminist perspectives on women in society, covering a broad range of historical and contemporary social issues. Involves comparative issues of social, political and economic position in the workplace, family and cultural institutions; historical basis of women's subordination; relations between women and men; social roles of women and men; intersections of ethnicity/race, class, gender, sexuality and age; violence against women; cultural images of women and men; and movements for social change.
SBCC General Education: SBCCGE Area B, SBCCGE Area E5
Transfer Information: CSUGE Area D, CSUGE Area E, IGETC Area 4, CSU Transferable, UC Transferable

**SOC 130 Environmental Sociology (3 Units)**
Hours: 54 (54 lecture)
An introduction to the study of society and the environment. The course examines the relationship between social and environmental problems, with an emphasis on climate change and environmental justice. The course also focuses on the environmental movement, possible solutions to environmental problems, activism and social change. Other topics include culture and ideology; science and technology; the-treadmills of production and consumption; population and development; eco-grief and human health.
Transfer Information: CSU Transferable

**SOC 295 Internship In Sociology (2-4 Units)**
Prerequisites: ENG 110 or ENG 110H.
Limitations on Enrollment: Completion of two courses in the Sociology Department at SBCC prior to enrolling in an internship course.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 273 (273 lab)
Structured internship program in which students gain experience with community organizations related to the discipline.
Transfer Information: CSU Transferable

**SOC 299 Independent Study In Sociology (1-4 Units)**
Limitations on Enrollment: Other: 12 units at SBCC 2.5 and 6 units in department with a 3.0.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 300 (300 lab)
Student works under the guidance and direction of sponsoring faculty member on project consistent with student's interests and abilities. Weekly meetings with faculty sponsor are required. Course may be taken for one or more units of credit. Each unit of credit requires student to devote approximately three hours per week to her/his project. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable

# Spanish (SPAN)
## Credit Courses

**SPAN 010 Basic Spanish Skills for ESL I (5 Units)**
Hours: 90 (90 lecture)
For Spanish speakers who want to learn how to read and write in their first language, as a means to progressively gain reading and writing competency in English. First part of a sequential education program.
Transfer Information: Extrnl - Not Degree Applicable

**SPAN 101 Beginning Spanish I (5 Units)**
Hours: 90 (90 lecture)
Focuses on the essentials of spoken and written Spanish for the beginner and provides an introduction to the culture of Spanish speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**SPAN 102 Beginning Spanish II (5 Units)**
Prerequisites: SPAN 101 or two years of high school Spanish or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Focuses on the essentials of spoken and written Spanish for the beginner and provides an introduction to the culture of Spanish speakers.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**SPAN 103 Intermediate Spanish I (5 Units)**
Prerequisites: SPAN 102 or three years of high school Spanish or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Review of grammatical structures and vocabulary building through readings. Further work with intermediate listening, speaking, reading and writing skills. Research and discussion of cultural topics.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**SPAN 104 Intermediate Spanish II (5 Units)**
Prerequisites: SPAN 103 or four years of high school Spanish or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for English 110 or ENG 110H.
Hours: 90 (90 lecture)
Focus on further development of listening, speaking, reading and writing skills. Review of grammatical structures and vocabulary building through readings. Research and discussion of cultural topics. Laboratory work required as an integral part of the course.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**SPAN 110 Spanish Punctuation (0.5 Units)**
Skills Advisories: Eligibility for English 110 or ENG 110H.
Hours: 9 (9 lecture)
Introduction to the fundamentals of Spanish punctuation. The use of diacriticals and punctuation marks. Designed to increase accuracy of student who writes in Spanish at all levels.

**SPAN 111 Spanish Written Accents (0.5 Units)**
Skills Advisories: Eligibility for English 110 or ENG 110H.
Hours: 9 (9 lecture)
Introduction to the fundamentals of Spanish phonetic and graphic accents. Designed to increase accuracy of student who writes in Spanish at all levels.

**SPAN 130 Intermediate Spanish Conversation I (2 Units)**
Prerequisites: SPAN 102 or three years of high school Spanish, with minimum grade of "C," or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Promotion of free and spontaneous oral expression in Spanish at the intermediate level.
Transfer Information: CSU Transferable, UC Transferable

**SPAN 131A Beginning Spanish Grammar I (1 Unit)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Review of Spanish grammar fundamentals. Designed to increase accuracy of written and oral communication in Spanish. Class taught in English.
Transfer Information: CSU Transferable

**SPAN 131B Intermediate Spanish Grammar II (1 Unit)**
Prerequisites: SPAN 131A or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Review of Spanish grammar at the intermediate level. Designed to increase accuracy of written and oral communication in Spanish. Class taught in English.
Transfer Information: CSU Transferable

**SPAN 131C Advanced Spanish Grammar III (1 Unit)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Review of Spanish grammar at the Advanced level. Designed to increase accuracy of written and oral communication in Spanish. Class taught in English.
Transfer Information: CSU Transferable

**SPAN 132 Introduction to Literary Analysis (3 Units)**
Prerequisites: SPAN 104 or SPAN 147 or qualifying score on SBCC SoML placement exam.
Hours: 54 (54 lecture)
Introduction to literary analysis through study of various literary genres. Focus on discussion, synthesis and analysis of short stories, poems, drama, and essays in Spanish. Prepares student for Spanish upper division courses.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**SPAN 139 Contemporary Cultures Of Spain (3 Units)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Examines modern Spain from a cultural perspective, allowing the student to study topics of importance to Spain and Spanish America. Class taught in English.
SBCC General Education: SBCCGE Area B, SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, CSUGE Area D7, IGETC Area 3B, CSU Transferable, UC Transferable

**SPAN 140 Intermediate Spanish Conversation II (2 Units)**
Prerequisites: SPAN 103 or four years of high school Spanish, with minimum grade of "C," or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture)
Promotion of free and spontaneous oral expression in Spanish at the advanced level.
Transfer Information: CSU Transferable, UC Transferable

**SPAN 146 Intermediate Spanish for Native Speakers I (5 Units)**
Prerequisites: SPAN 102 or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
For students who speak Spanish as their first-language, or second-language learners with a native or near-native fluency. Designed to facilitate the acquisition of higher grammatical competency in writing, higher understanding in reading, and the ability to draw on a more varied vocabulary and complex verbal system for target-language production.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**SPAN 147 Intermediate Spanish for Native Speakers II (5 Units)**
Prerequisites: SPAN 103 or 146 or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Designed to bring students who speak Spanish with Native or near-Native fluency to a "distinguished" level, according to the ACTFL proficiency guidelines.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**SPAN 150 Advanced Spanish (4 Units)**
Prerequisites: SPAN 104 or SPAN 147 or four years of high school Spanish or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Intended for the advanced student who wishes to perfect his/her knowledge of the language. Includes discussion of literary selections, vocabulary building, composition and study of more complex grammatical structures. Laboratory work is required as an integral part of the course.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

**SPAN 160 Advanced Spanish (4 Units)**
Prerequisites: SPAN 104 or 147 or 150 or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Intended for the advanced student who wishes to perfect his/her knowledge of the language. Includes discussion of literary selections, vocabulary building, composition and study of more complex grammatical structures. Laboratory work is required as an integral part of the course.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

# Supervision (SUPV)
## Credit Courses

**SUPV 101 Introduction To Supervision (3 Units)**
Course Advisories: BUS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introductory course in supervision designed for first-time supervisory and mid-management personnel. Topics include functions, delegations, decision-making and communication in supervision. Staffing, directing, controlling and labor relations also discussed.
Transfer Information: CSU Transferable

# Theatre Arts (TA)
## Credit Courses

**TA 103 Theatre Appreciation (3 Units)**
Hours: 54 (54 lecture)
Survey of dramatic literature and play production in the context of dramatic style, structure and historical perspective, including an exploration of various methods and conventions of theatrical realization through acting, directing, design and production. Provides a greater understanding and appreciation of theatre as a living art.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**TA 104 Script Analysis (3 Units)**
Hours: 54 (54 lecture)
Study of play texts, from page to stage, with emphasis on analysis of story structure, character, language, cultural context and style.
Transfer Information: CSU Transferable, UC Transferable

**TA 106 Development of Drama - Musical Theatre (3 Units)**
Hours: 54 (54 lecture)
Survey of the dramatic literature of musical theatre from operetta to contemporary musical theatre. Through reading, listening, viewing and analysis of representative musicals, consideration of musical theatre conventions and aesthetic influences, the evolution of the musical as a cultural expression and social force is examined in reference to its historical context and contemporary effect.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**TA 107 Development Of Drama: Greek to Renaissance (3 Units)**
Hours: 54 (54 lecture)
Survey of dramatic literature from ancient Greece, Rome and Asia through the 17th century. Through reading and analysis of representative plays, consideration of theatrical conventions and review of aesthetic influences, the evolution of theatre as a cultural expression and social force is examined in reference to its historical context and contemporary effect.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**TA 108 Development Of Drama II: Restoration To Contemporary (3 Units)**
Hours: 54 (54 lecture)
Survey of dramatic literature from the 17th century to modern times. Through reading and analysis of representative plays selected from each of the major dramatic periods within this frame the evolution of theatre is examined in its historical context and for contemporary effect. Note: Students may enroll in TA 108 without having enrolled in TA 107.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**TA 110 Improvisation (3 Units)**
Hours: 54 (54 lecture)
Student will create and perform dynamic individual and group improvisational exercises and scenes. Explores essential techniques of physical and verbal spontaneous performance.
Transfer Information: CSU Transferable, UC Transferable

**TA 111 Beginning Acting (3 Units)**
Hours: 54 (54 lecture)
Introduction to the separate parts of the composite art of acting, which entails the effective communication of the ideas and emotions of a dramatic character to an audience. The ultimate goal is to develop a firm foundation in basic acting techniques.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**TA 112 Intermediate Acting A (3 Units)**
Course Advisories: TA 111.
Hours: 90 (36 lecture, 54 lab)
Appropriate for students just beginning to act or for more experienced actors, this course focuses on creating believable characters, employing emotional resources and experiences to develop nuanced and powerful stage interactions, honing the skills of observation and imagination to create dynamic and riveting performances.
Transfer Information: CSU Transferable, UC Transferable

**TA 113 Introduction to Performance (3 Units)**
Hours: 54 (54 lecture)
This course celebrates, analyzes and explores performance through history and around the world. Students will be introduced to the theory of performance as culture, ritual, communication and play. They will create performance work themselves as actors, puppeteers, artists and writers and also be able to watch and engage with the work of master performers in a variety of performance experiences.
SBCC General Education: SBCCGE Area C
Transfer Information: CSU Transferable, UC Transferable

**TA 114 Voice and Diction (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to the mechanics of voice production and the various elements of speech, including quality, strength, duration and pitch. The student is introduced to the International Phonetic Alphabet, American standard pronunciation and stage dialects.
Transfer Information: CSU Transferable, UC Transferable

**TA 116 Page to Performance (3 Units)**
Hours: 54 (54 lecture)
Introduction to the skills of analysis and performance techniques necessary to explore, understand and orally present diverse literary works that include traditional, modern and original student works.
SBCC General Education: SBCCGE Area C
Transfer Information: CSU Transferable, UC Transferable

**TA 120 Understanding Scenography (3 Units)**
Hours: 54 (54 lecture)
Examination of practice and implications of visual and aural design in the theatre, including a study of the origins and development of theatrical scenery, costume, lighting, projection and sound design. A survey of current scenographic practices and their relationship to theatrical performance.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**TA 121 Introduction to Stagecraft (3 Units)**
Hours: 54 (54 lecture)
Survey of organization, practices, conventions and crafts associated with execution of scenic, lighting and sound designs for the stage. Includes study of and laboratory experience in scenic construction, painting, rigging, placement and manipulation of scenery, lighting and sound equipment, and properties.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**TA 123 Stage Lighting (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to stage lighting techniques, principles and equipment, including a basic study of optics, color, electricity, instrumentation, control systems and design theory.
Transfer Information: CSU Transferable, UC Transferable

**TA 131 Costume Technology (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Introduction to the techniques and methodology of costume and accessory construction. Practical experience in sewing, pattern development, fabrics and their modification. Examination of costume production procedures in regard to time, budgets and labor. Investigation of craft techniques and materials required for accessories include millinery, footwear, mask, armor, jewelry and others.
Transfer Information: CSU Transferable, UC Transferable

**TA 132A Costume Technology II: Motion Picture & Live Entertainment Costumer (3 Units)**
Hours: 102 (54 lecture, 48 lab)
Examination of advanced concepts and production skills specific to a professional costumer. This class demonstrates techniques that are necessary to enter the costume workforce: costume management, continuity, computer programs, system of effective fittings.
Transfer Information: CSU Transferable

**TA 134 Costume Design (3 Units)**
Hours: 90 (54 lecture, 36 lab)
Study of the interpretation of scripts through costume design. Includes a brief survey of costume history, discussions of costume and production organization and personnel, discussion and sample construction for design and practice of drawing and rendering techniques. Study takes form of design projects done for theoretical productions.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**TA 135A History of Costume Design in Film (3 Units)**
Hours: 54 (54 lecture)
The history of the development of the art of film costume design from the first costume designers to present. A study of diverse aesthetic theories of costume design in relationship to production design, art direction and cinematography. Analysis of the contribution of outstanding costume designers for cinema, television and filmed entertainment. Study the influence of cinema costume design and resulting film costumes on society and culture through fashion. Lectures, discussions and reading along with viewing representative films.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**TA 136 Theatrical Makeup Techniques (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Investigate the use of makeup in contributing to the effectiveness character presentation on stage, television, video, film and photography projects. Emphasis on design and techniques of makeup to aid the student in the development and projection of character. This is a required course for theatre majors.
SBCC General Education: SBCCGE Area C
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**TA 141 Theatre Workshop (0.5 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 27 (27 lab)
Provides study and laboratory exploration of all aspects of play production involving the actor in order to develop his acting capabilities, skills and discipline. The audition, preparation and presentational phases of the acting process explored under the supervision and guidance of a faculty director. Productions presented for public performance.
Transfer Information: CSU Transferable, UC Transferable

**TA 142 Theatre Workshop II (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Provides study and laboratory exploration of all aspects of play production involving the actor in order to develop his acting capabilities, skills and discipline. The audition, preparation and presentational phases of the acting process explored under the supervision and guidance of a faculty director. Productions presented for public performance.
Transfer Information: CSU Transferable, UC Transferable

**TA 143 Theatre Workshop III (1.5 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 81 (81 lab)
Provides study and laboratory exploration of all aspects of play production involving the actor in order to develop his acting capabilities, skills and discipline. The audition, preparation and presentational phases of the acting process explored under the supervision and guidance of a faculty director.
Transfer Information: CSU Transferable, UC Transferable

**TA 144 Theatre Workshop IV (2 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 108 (108 lab)
Provides study and laboratory exploration of all aspects of play production involving the actor in order to develop his acting capabilities, skills and discipline. The audition, preparation and presentational phases of the acting process explored under the supervision and guidance of a faculty director. Productions presented for public performance.
Transfer Information: CSU Transferable, UC Transferable

**TA 145A Stage Electrician (0.5 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning technician in the operation of basic theatrical lighting instruments utilized in the realization of a production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 145B Light Board Operator (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the technician in the operation of theatrical lighting instruments and control boards utilized in the realization of a production.
Transfer Information: CSU Transferable, UC Transferable

**TA 145C Master Electrician (1.5 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 81 (81 lab)
Provides study and laboratory experience for the technician in the implementation of the light plot, maintenance of lighting instruments, power distribution and circuitry utilized in the realization of a production.
Transfer Information: CSU Transferable, UC Transferable

**TA 145D Assistant to the Lighting Designer (2 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 108 (108 lab)
Provides study and laboratory experience for the student in visual research for lighting design, the implementation of the light plot, generating appropriate light schedules for hang & hook-up, and color cut list to be utilized in the realization of a lighting design.
Transfer Information: CSU Transferable, UC Transferable

**TA 146A Theatrical Stage Carpentry Deck Crew (0.5 Units)**
Hours: 27 (27 lab)
Provides study and laboratory exploration for theatrical technicians in the responsibilities and skills necessary to function as a stage carpenter/show control and automation engineer.
Transfer Information: CSU Transferable, UC Transferable

**TA 146B Fly and Scenery Systems Operator (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the beginning theatrical technician in the responsibilities and skills necessary to function as a Fly Systems Operator of a realized production.
Transfer Information: CSU Transferable, UC Transferable

**TA 146C Deck-Crew Co-Chief (1.5 Unit)**
Limitations on Enrollment: Auditons for public performance Approval of Instructor.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the intermediate theatrical technician in the responsibilities and skills necessary to function as a deck crew co-chief on the deck crew of a realized production.
Transfer Information: CSU Transferable, UC Transferable

**TA 146D Deck Crew Head (2 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced theatrical technician to serve as a deck crew head on a realized production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 149A Production Assistant (0.5 Units)**
Limitations on Enrollment: Auditions for Public Performance.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning theatre student in the skills required to be part of a theatrical stage management team. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 149B Assistant Stage Manager (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Provides study and laboratory application for the intermediate theatre student in the skills required to be part of a theatrical stage management team. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 149C Stage Manager (1.5 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the advanced theatre student in the skills required to lead a theatrical stage management team. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 149D Production Stage Manager (2 Units)**
Limitations on Enrollment: Auditions for Public Performance.
Hours: 108 (108 lab)
Provides study and laboratory application for the advanced theatre student in the skills required to lead a theatrical stage management team. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 150A Stage Audio Technician Workshop (0.5 Units)**
Hours: 27 (27 lab)
Provides study and laboratory exploration for technicians in the setup, operation, and programming of theatrical audio equipment utilized in the realization of a production.
Transfer Information: CSU Transferable, UC Transferable

**TA 150B Audio Mixing Board Operator in Production (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the intermediate technician in the operation of basic theatrical audio equipment utilized in the realization of a production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 150C Audio Systems Programmer (1.5 Unit)**
Limitations on Enrollment: Auditions for public performances.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the intermediate technician in the programming of digital audio playback programs utilized in the realization of a production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 150D Chief Audio Technician (2 Units)**
Limitations on Enrollment: Auditions for public performances.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced technician in the programming of digital audio playback programs utilized in the realization of a production. Enrollment by Instructor assignment
Transfer Information: CSU Transferable, UC Transferable

**TA 151 Theatre Production I (0.5 Units)**
Limitations on Enrollment: Auditions for Public Performance.
Hours: 27 (27 lab)
Entry level technical theatre practicum in stage management, scenic construction, scenic painting, costume, makeup, lighting, sound, and properties. Students perform as crew members and/or crew heads for productions.
Transfer Information: CSU Transferable, UC Transferable

**TA 152 Theatre Production II (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Technical theatre practicum in stage management, scenic construction, scenic painting, costume, makeup, lighting, sound, and properties. Students perform as crew members and/or crew heads for productions.
Transfer Information: CSU Transferable, UC Transferable

**TA 153 Theatre Production III (1.5 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 81 (81 lab)
Intermediate skill technical theatre practicum in stage management, scenic construction, scenic painting, costume, makeup, lighting, sound, and properties. Students perform as crew members and/or crew heads for productions.
Transfer Information: CSU Transferable, UC Transferable

**TA 154 Theatre Production IV (2 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 108 (108 lab)
Advanced technical theatre practicum in stage management, scenic construction, scenic painting, costume, makeup, lighting, sound, and properties. Students perform as crew members and/or crew heads for productions.
Transfer Information: CSU Transferable, UC Transferable

**TA 155A Stage Costumer Workshop (0.5 Units)**
Hours: 27 (27 lab)
Provides study and laboratory exploration for theatre technicians in the responsibilities and skills necessary to successfully serve as a costumer in the realization of a production.
Transfer Information: CSU Transferable, UC Transferable

**TA 155B Specialty Costume Dresser in Production (1 Unit)**
Limitations on Enrollment: Auditions for Public Performance.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the costume technician in the responsibilities and skills necessary to successfully serve as a specialty costume dresser in the realization of a production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 155C Costume Crew Technician in Production (1.5 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the costumer in the responsibilities and skills necessary to successfully serve as a costume crew technician in the realization of a production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 155D Costume Crew Head in Production (2 Units)**
Hours: 108 (108 lab)
Limitation Enrollment: Auditions for public performance. Provides study and laboratory exploration for the costume technician in the responsibilities and skills necessary to serve as a costume crew head in the realization of a production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 156A Stage Make-up Workshop (0.5 Units)**
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning theatrical make-up artist in the realization of a production.
Transfer Information: CSU Transferable, UC Transferable

**TA 156B Make-up and Hair Assistant in Production (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the theatrical make-up and hair assistant in the realization of a production. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 156C Theatrical Makeup, Hair and Wig Technician in Production (1.5 Unit)**
Limitations on Enrollment: Registration is by instructor approval.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the theatrical make-up, hair and wig technician to utilize makeup & hair techniques to create a character face map in support of an actor in fully realized production. Enrollment by instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 157A Intermediate Theatrical Make-up Techniques (3 Units)**
Hours: 54 (54 lecture)
Investigation and practicum of face and head casting, prosthetics, masks, alternate materials, special effects and hairpieces as part of the character for theatre and camera. Emphasis on design and execution of mask and hairpiece as projection of character.
Transfer Information: CSU Transferable, UC Transferable

**TA 158A Scenic Studio Carpenter Workshop (0.5 Units)**
Hours: 27 (27 lab)
Provides study and laboratory exploration for theatre technicians by exploring fundamental scenic construction and painting techniques in the scenic studio.
Transfer Information: CSU Transferable, UC Transferable

**TA 158B Scenic Studio Construction Carpenter/Painter (1 Unit)**
Limitations on Enrollment: Auditions for public performances.
Hours: 54 (54 lab)
Provides study and laboratory assignments by constructing and painting scenery in the scenic studio. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 158C Scenic Studio Project Carpenter/Painter (1.5 Unit)**
Limitations on Enrollment: Auditions for public performances.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the advanced technician constructing and painting scenery in the scenic studio. Enrollment by Instructor assignment.
Transfer Information: CSU Transferable, UC Transferable

**TA 160 Chicano Theatre (3 Units)**
Same as: CHST 160
Hours: 54 (54 lecture)
Survey of Chicano and Latino theater, its historical roots, techniques, styles and literature. Students explore and analyze the origins and development of various related forms in the context of the Chicano culture of the American Southwest and Mexico.
SBCC General Education: SBCCGE Area C, SBCCGE Area E5
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

**TA 175 Summer Theatre Workshop (1-6 Units)**
Limitations on Enrollment: Auditions for Public Performance.
Hours: 288 (288 lab)
Participation in rehearsal/performance, stage management, scenic construction/painting, costume, makeup, lighting, sound, properties and special workshops in areas allied to summer production. Students perform as crew members/actors for production.
Transfer Information: CSU Transferable, UC Transferable

**TA 213 Intermediate Acting B (3 Units)**
Prerequisites: TA 111.
Hours: 90 (36 lecture, 54 lab)
Scenes from play texts and one-act plays are studied and presented with concentration on in-depth analysis of subject material, intensity of action, freedom of emotional release and clarity of expression.
Transfer Information: CSU Transferable, UC Transferable

**TA 214 Advanced Acting (3 Units)**
Prerequisites: TA 112 and TA 213.
Hours: 90 (36 lecture, 54 lab)
Focuses on "technique" that produces well-rounded performances. Accentuates practical application through scene work, and the production of one-act plays. Students also prepare for professional or university auditions and examine the business side of the entertainment industry.
Transfer Information: CSU Transferable, UC Transferable

**TA 215 Fundamentals of Directing (3 Units)**
Prerequisites: TA 213.
Course Advisories: TTA 121 and TA 123 and TA 131.
Hours: 90 (36 lecture, 54 lab)
Designed to introduce the student to the background, functions and techniques of the stage director. Investigation of the principles involved in script selection and interpretation, the fundamentals of casting, rehearsal techniques and scheduling, the preparation of a director's prompt script and performance.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

**TA 217A Movement for the Actor (3 Units)**
Hours: 90 (36 lecture, 54 lab)
This course will focus on training actors to understand their own physical habits through the study of techniques and methodology of spatial awareness exercises such as Laban, and Alexander technique. Movement skills and balance are critical elements for this course.
Transfer Information: CSU Transferable, UC Transferable

**TA 218 Acting for the Camera (3 Units)**
Course Advisories: TA 111 or TA 112 or TA 213 or FS 101 or FS 101H.
Hours: 90 (36 lecture, 54 lab)
Introduction to fundamental skills of acting in front of the camera, including understanding frame sizes, shot definitions, marks, physical continuity, emotional continuity, eye-lines, screen direction, acting for the edit, and the actor's relationship with the director and the film crew. Students shoot in single- and multiple-camera setups, both in studio and on location.
Transfer Information: CSU Transferable, UC Transferable

**TA 227 Scenic Design (3 Units)**
Hours: 90 (36 lecture, 54 lab)
Study of the interpretation of plays through visual and spatial elements, with emphasis on the design process, the understanding of form, composition and style, and the dramatic use of space.
Transfer Information: CSU Transferable, UC Transferable

**TA 250 Advanced Theatre Performance (2 Units)**
Limitations on Enrollment: Enrollment is by audition or instructor approval only.
Hours: 108 (108 lab)
Advanced study, analysis and practical application of various interpretive, planning and production techniques and crafts toward creating a public performance of a contemporary, modern and/or historically significant play.
Transfer Information: CSU Transferable, UC Transferable

**TA 255A Classical Comedy in Performance (0.5 Units)**
Limitations on Enrollment: Auditions for Public Performance.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the novice actor in the performance of an ensemble role in a classical comedy under the direction of a faculty or guest director. By audition and/or assignment by instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 255B Classical Comedy in Performance (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Study and laboratory exploration for the beginning actor in the performance of a cameo role in a Classical comedy presented to the public in a fully realized production, under the direction of a faculty or guest director. By Audition and/or assignment by Instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 255C Classical Comedy in Performance (1.5 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the advanced-intermediate actor in the performance of a supporting role in a Classical comedy presented to the public in a fully realized production, under the direction of a faculty director. By Audition and/or assignment by Instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 255D Classical Comedy in Performance (2 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced actor in the performance of a leading role in a Classical comedy presented to the public in a fully realized production, under the direction of a faculty director. By audition or assignment by instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 256A Contemporary Comedy in Performance (0.5 Units)**
Limitations on Enrollment: By audition only.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the novice actor in the performance of an ensemble role in a contemporary comedy under the direction of a faculty or guest director. By Audition and/or assignment by instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 256B Contemporary Comedy in Performance (1 Unit)**
Limitations on Enrollment: By audition and/or assignment by instructor.
Hours: 54 (54 lab)
Study and laboratory exploration for the beginning actor in the performance of a cameo role in a contemporary comedy presented to the public in a fully realized production, under the direction of a faculty or guest director. By Audition and/or assignment by Instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 256C Contemporary Comedy in Performance (1.5 Unit)**
Limitations on Enrollment: By audition and/or assignment by instructor.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the advanced-intermediate actor in the performance of a supporting role in a contemporary comedy presented to the public in a fully realized production, under the direction of a faculty director. By Audition and/or assignment by Instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 256D Contemporary Comedy in Performance (2 Units)**
Limitations on Enrollment: By audition or assignment by instructor.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced actor in the performance of a leading role in a contemporary comedy presented to the public in a fully realized production, under the direction of a faculty director. By audition or assignment by instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 262A Modern American Drama in Performance (0.5 Units)**
Limitations on Enrollment: Auditons for public performance.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning actor in the performance of a supporting role in a modern drama under the direction of a faculty director.
Transfer Information: CSU Transferable, UC Transferable

**TA 262B Modern American Drama in Performance (1 Unit)**
Limitations on Enrollment: By audition and/or assignment by instructor.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the intermediate actor in the performance of a cameo role in a contemporary American drama presented to the public in a fully realized production, under the direction of a faculty director. By Audition and/or assignment by Instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 262C Modern American Drama in Performance (1.5 Unit)**
Limitations on Enrollment: By audition and/or assignment by instructor.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the advanced-intermediate actor in the performance of a supporting role in a modern American drama under the direction of a faculty director.
Transfer Information: CSU Transferable, UC Transferable

**TA 262D Modern American Drama in Performance (2 Units)**
Limitations on Enrollment: Auditons for public performance.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced actor in the performance of a leading role in a modern American drama.
Transfer Information: CSU Transferable, UC Transferable

**TA 263A Classical Drama In Performance (0.5 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning actor in the performance of a supporting role in a classical drama, under the direction of a faculty director. By Audition and/or assignment by Instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 263B Classical Drama in Performance (1 Unit)**
Limitations on Enrollment: Auditions for public performance.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the intermediate actor in the performance of a cameo role in a classic drama presented to the public in a fully realized production, under the direction of a faculty director. By Audition and/or assignment by instructor.
Transfer Information: CSU Transferable, UC Transferable

**TA 263C Classical Drama in Performance (1.5 Unit)**
Limitations on Enrollment: Auditions for public performance.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the advanced-intermediate actor in the performance of a supporting role in a classical drama.
Transfer Information: CSU Transferable, UC Transferable

**TA 263D Classical Drama In Performance (2 Units)**
Limitations on Enrollment: Auditions for Public Performance.
Hours: 108 (108 lab)
Practical exploration of the development of a leading role in a classical drama presented to the public in a fully realized production
Transfer Information: CSU Transferable, UC Transferable

**TA 267A Acting Styles: Shakespeare (3 Units)**
Course Advisories: TA 111 It is advised that students taking this course have a minimum existing knowledge of acting prior to enrollment.
Skills Advisories: Eligibility for ENG 98 or ENG 103.
Hours: 90 (36 lecture, 54 lab)
This prior knowledge is easily demonstrated by having completed TA 111, Beginning Acting, with a grade of "C" or better. Introduces students to acting techniques employed to perform the works of William Shakespeare.
Transfer Information: CSU Transferable, UC Transferable

**TA 267B Acting Styles: Stage Combat (3 Units)**
Corequisites: TA 112.
Hours: 90 (36 lecture, 54 lab)
Prerequisite or Introduction to the concepts and practice of choreographed theatrical violence, including hand-to-hand and small weapons combat, for stage and screen.
Transfer Information: CSU Transferable, UC Transferable

**TA 267C Acting Styles: Musical Theatre Performance (3 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 90 (36 lecture, 54 lab)
Prepares students to act and sing in a live musical theatre performance, with an emphasis on solo and duet songs.
Transfer Information: CSU Transferable, UC Transferable

**TA 272A Contemporary World Drama Intensive (2 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 108 (108 lab)
Create a small role in a contemporary play from world drama presented to the public and directed by a faculty member. Audition required.
Transfer Information: CSU Transferable, UC Transferable

**TA 272B Contemporary World Drama Intensive (3 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 162 (162 lab)
Create a featured role in a contemporary play from world drama, presented to the public and directed by a faculty member. Audition required.
Transfer Information: CSU Transferable, UC Transferable

**TA 272C Contemporary World Drama Intensive (4 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 216 (216 lecture)
Create and perform a leading role in a contemporary drama from world literature presented to the public and directed by a faculty member. Audition required.
Transfer Information: CSU Transferable, UC Transferable

**TA 273A Contemporary World Comedy Intensive (2 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 108 (108 lab)
Create a small role in a comedy from world literature for public performance and directed by a faculty member. Audition required.
Transfer Information: CSU Transferable, UC Transferable

**TA 273B Contemporary World Comedy Intensive (3 Units)**
Limitations on Enrollment: Auditions for public performance Create a featured role in a contemporary comedy from world literature presented to a public audience and directed by a faculty member.
Hours: 162 (162 lab)
Audition required.
Transfer Information: CSU Transferable, UC Transferable

**TA 273C Contemporary World Comedy Intensive (4 Units)**
Limitations on Enrollment: Auditions for public performance.
Hours: 216 (216 lab)
Create a leading role in a comedy from world literature for public performance, directed by a faculty member. Audition required.
Transfer Information: CSU Transferable, UC Transferable

**TA 299 Independent Study In Theatre Arts (1-4 Units)**
Limitations on Enrollment: Auditions for public performance.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 192 (192 lab)
Six units of Theatre Arts courses completed with a 3.0 or higher GPA; minimum of 12 units of course work completed at SBCC with GPA of at least 2.50. Student works under guidance and direction of sponsoring faculty member on project consistent with interests and abilities. Minimal weekly meetings with faculty sponsor required. Course may be taken for one to six units of credit; each unit of credit requires student to devote approximately three hours per week to his/her project.
Transfer Information: CSU Transferable

# Translation and Interpretation (TIS) Credit Courses

**TIS 101 Introduction to Translation and Interpretation (4 Units)**
Hours: 72 (72 lecture)
Introduction to standards and techniques of translation and interpretation. Acquisition of interpretation and translation skills of written materials.
Transfer Information: CSU Transferable

**TIS 102 English and Spanish for Translation (3 Units)**
Hours: 54 (54 lecture)
Designed to help students become proficient in analyzing English and Spanish as source and target languages for their translation. Topics will cover the structure of both languages - mechanics, punctuation, conventions - as well as semantics and their cultural and stylistic components.
Transfer Information: CSU Transferable

**TIS 103 Consecutive Interpretation and Sight Translation: Theory and Practice (3 Units)**
Prerequisites: SPAN 150 or qualifying score on SBCC placement exam.
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Teaches essential modes of interpretation in different settings, including history and use. It also covers theory, interpreting and note-taking skills development, and interpretation pitfalls.
Transfer Information: CSU Transferable

**TIS 104 Simultaneous Interpretation: Theory and Practice (3 Units)**
Prerequisites: SPAN 150 or qualifying score on SBCC SoMLs placement exam.
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Affords students the opportunity to learn theory and apply simultaneous interpretation techniques in many topics and settings, such as court, conference, community, and/or medical interpreting. Includes history and use, theory, interpreting skills development, simultaneous interpretation skills and most common issues in this mode of interpretation.
Transfer Information: CSU Transferable

**TIS 105 English Translation of Specialty Areas (3 Units)**
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Translation from English into Spanish in specialty areas of health care, legal, literary and commercial/business. Includes introduction, principles and procedures for translating specialty area materials, types of documents, elements and characteristics thereof, resource development, ethical and legal restrictions, and development of translation subskills.
Transfer Information: CSU Transferable

**TIS 106 Spanish Translation of Specialty Areas (3 Units)**
Prerequisites: SPAN 150 or qualifying score on SBCC placement exam.
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Translation from English into Spanish in specialty areas of healthcare, legal, literary and commercial/business. Includes introduction, principles and procedures for translating specialty area materials, types of documents, elements and characteristics thereof. Also includes resource development, ethical and legal restrictions, and development of translation sub-skills.
Transfer Information: CSU Transferable

**TIS 107 Technology for Translation and Interpretation (3 Units)**
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Study of the technology facilitating the work of the translator and the interpreter, such as computer assisted translation (CAT) tools, transcription and automated translation, databases, terminology databases, document formatting and text extraction, file transfer technologies, encryption, using online dictionaries and cloud storage.
Transfer Information: CSU Transferable

**TIS 114 Basic Legal Terminology, Spanish (3 Units)**
Hours: 54 (54 lecture)
Designed to provide a basic linguistic foundation for those working in law-related fields and using legal vocabulary in Spanish and English. The course is essential for those pursuing a career in court Spanish/English translation and Interpretation.
Transfer Information: CSU Transferable

**TIS 115 Legal Interpretation, Spanish (3 Units)**
Prerequisites: SPAN 150 or qualifying score on SBCC SoML placement exam.
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Designed to help students interpret in a legal context using simultaneous, consecutive and sight translation. Includes an overview of the court system and related proceedings, as well as the registers of speech usually encountered in a court proceeding.
Transfer Information: CSU Transferable

**TIS 116 Basic Medical Terminology, Spanish (3 Units)**
Hours: 54 (54 lecture)
Introduction to specialized vocabulary and basic grammatical concepts needed by health profession personnel and their application in practical settings. Includes an intro to medical terminology in Spanish that includes body structure, body systems, prefixes, suffixes, word roots, false cognates and most common pitfalls due to English interference and linguistic transfer.
Transfer Information: CSU Transferable

**TIS 117 Medical Spanish/English Interpretation (3 Units)**
Prerequisites: SPAN 150 or qualifying score on SBCC SoML placement exam.
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Designed to teach students to interpret in a medical context using, mainly, consecutive and sigh translation. Includes interpreting in a medical setting, pronunciation of Spanish and English names and medical terms, Spanish and English medical terminology, bicultural medical communication and regional dialects.
Transfer Information: CSU Transferable

**TIS 118 Interpretation Techniques (3 Units)**
Prerequisites: SPAN 150 or qualifying score on SBCC SoML placement exam.
Corequisites: TIS 101.
Hours: 54 (54 lecture)
Specific theories and practices in interpreting oral communication from English to Spanish and Spanish to English. Includes theories of interpretation, techniques of interpretation, interpretation strategies, interpretation procedures and modes of interpretation.
Transfer Information: CSU Transferable

# Tutoring (TUT)
## Credit Courses

**TUTW NC199 Tutor Training Across the Disciplines (0 Units)**
Hours: 8 (8 lecture)
An introduction to the basic principles of tutorial theory and practice, designed for students who are seeking to be tutors in the various tutoring programs at SBCC. Covers tutoring ethics and philosophy, and applying learning-centered theory to the practice of tutoring. Students learn about the cycle of tutoring, the basics of tutoring communication and strategies of tutoring students. Designed to prepare students to be peer tutors with students at all educational levels and disciplines; individually, in groups and online. Requires faculty recommendation of tutors who typically have been students in their classes. Tutors receive instruction in learning theories, communication skills, problem-solving strategies, teaching strategies, student services (to make appropriate referrals), campus policies, etc. Course restricted to 98 repetitions

# Vocational Nursing (VN)
## Credit Courses

**VN 161 Fundamentals for Nursing Practice (5 Units)**
Prerequisites: CNA 101 or a pass.
Hours: 90 (90 lecture)
Certificate of Completion. This course provides an introduction to the nursing profession and provides the theoretical foundation for the fundamentals of vocational nursing practice. Students are introduced to the concepts of health assessment, communication, client needs, safety, infection control, ethical and legal practice, cultural and spiritual care, the nursing process, documentation, health promotion and wellness, and growth and development across the lifespan.
Transfer Information: CSU Transferable

**VN 162 Care of the Older Adult (1.5 Unit)**
Hours: 27 (27 lecture)
This course examines the biological, psychological, and social issues associated with the aging process and prepares the student to implement the nursing process to the care of the older adult. Emphasis is placed on health promotion, safety, legal aspects, dementia, and care of the older adult in various settings.
Transfer Information: CSU Transferable

**VN 163 Pharmacology for Nurses (3 Units)**
Prerequisites: MATH 107, BMS 100 or BMS 107 and BMS 108.
Hours: 54 (54 lecture)
Qualifying score on TEAS math exam. This course provides an introduction to the principles of pharmacology including pharmacokinetics, pharmacodynamics, common adverse/side effects, and contraindications. Emphasis is placed on drug classifications and nursing care related to the safe administration of medications to clients across the life span.
Transfer Information: CSU Transferable

**VN 164 Nursing Practicum I (6 Units)**
Hours: 324 (324 lab)
This lab/clinical course provides an introduction to nursing practice and the role of the vocational nurse in the health care settings as a professional team member. The Fundamentals of nursing practice is applied to the care of adult and older adult clients with an emphasis on safe, quality patient-centered care.
Transfer Information: CSU Transferable

**VN 165 Medical Surgical Nursing I (3 Units)**
Prerequisites: BMS 100 or BMS 107 and BMS 108.
Hours: 54 (54 lecture)
This course focuses on the nursing management for the client experiencing surgery, and health alterations in the gastrointestinal, integumentary, and immune systems. Emphasis is placed on the utilization of the nursing process in the management of evidence-based and safe patient-centered care.
Transfer Information: CSU Transferable

**VN 166 Medical Surgical Nursing II (3.5 Units)**
Prerequisites: BMS 100 or BMS 107 and BMS 108.
Hours: 63 (63 lecture)
This course focuses on the nursing management for the client experiencing fluid and electrolyte imbalances, and health alterations in the renal, endocrine, and reproductive systems. Emphasis is placed on the utilization of the nursing process in the management of evidence-based and safe patient-centered care.
Transfer Information: CSU Transferable

**VN 167 Nursing Care of Children (2 Units)**
Hours: 36 (36 lecture)
This course provides an integrative, family-centered approach to the nursing care of children. Emphasis is placed on normal growth and development, anticipatory guidance with wellness promotion and injury prevention, hospitalization adjustments for the pediatric client, and common pediatric disorders.
Transfer Information: CSU Transferable

**VN 168 Mental Health Nursing (1 Unit)**
Hours: 18 (18 lab)
This course prepares students to implement the nursing process in the care of clients with mental health disorders. The course explores mental health fundamentals, legal and ethical issues, common mental health disorders, Non-pharmacological therapies, psychopharmacology, and mental health emergencies.
Transfer Information: CSU Transferable

**VN 169 Nursing Practicum II (6 Units)**
Corequisites: VN 164.
Hours: 324 (324 lab)
Prerequisite or This laboratory and clinical course is designed to build upon the practicum basics of the first semester. The students perform more advanced skills while providing nursing care to adult clients in a variety of health care facilities with a continued emphasis on safe, quality patient-centered care. This course provides the opportunity for students to apply theoretical concepts related to the nursing care for children to clinical and laboratory experiences.
Transfer Information: CSU Transferable

**VN 170 Medical Surgical Nursing III (3.5 Units)**
Prerequisites: BMS 100 or BMS 107 and BMS 108.
Hours: 63 (63 lecture)
This course focuses on the nursing management for the client experiencing health alterations in the cardiovascular, respiratory, and hematological systems. Emphasis is placed on the utilization of the nursing process in the management of evidence-based and safe patient-centered care.
Transfer Information: CSU Transferable

**VN 171 Medical Surgical Nursing IV (3.5 Units)**
Prerequisites: BMS 100 or BMS 107 and BMS 108.
Hours: 63 (63 lecture)
This course focuses on the nursing management for the client experiencing health alterations in the neurosensory and musculoskeletal systems. Emphasis is placed on the utilization of the nursing process in the management of evidence-based and safe patient-centered care.
Transfer Information: CSU Transferable

**VN 172 Maternal Newborn Nursing (1.5 Unit)**
Hours: 27 (27 lecture)
This course explores reproductive health and maternal and newborn nursing care during the antepartum, intrapartum and postpartum periods. Emphasis is placed on the bio-psycho-socio-cultural needs of the childbearing family during the phases of pregnancy, childbirth, and the neonatal period including abnormal conditions.
Transfer Information: CSU Transferable

**VN 173 Preparation for Professional Vocational Nursing Practice (1.5 Unit)**
Hours: 27 (27 lecture)
This course facilitates the transition of the student to the role of an LVN. Emphasis is placed on principles of leadership, management, communication, civility, team building, and change. The course prepares the student to practice legally and ethically adhering to the Vocational Nursing practice act. The employment process and career development options are presented.
Transfer Information: CSU Transferable

**VN 174 Nursing Practicum III (6 Units)**
Prerequisites: VN 169.
Hours: 324 (324 lab)
This Clinical and laboratory course builds on experiences of the second semester as students develop leadership skills and provide comprehensive nursing care to adult clients in a variety of settings. This course also provides students with the opportunity to apply theoretical concepts related to Maternal newborn nursing care to clinical and laboratory experiences.
Transfer Information: CSU Transferable

# Water Science (WTRS)
## Credit Courses

**WTRS 100 Basic Wastewater Treatment (3 Units)**
Hours: 54 (54 lecture)
Study of the fundamentals of wastewater treatment, covering public health, water quality control, operation and maintenance of treatment facilities. Treatment processes include sedimentation, biofiltration, activated sludge, sludge digestion and chlorination.

**WTRS 101 Water Distribution Systems (3 Units)**
Hours: 54 (54 lecture)
Designed for operators of water distribution systems. Covered are types of reservoirs, pipeline materials, pumps and appurtenances. The construction, installation and repair of water distribution facilities are discussed, as well as the administrative requirements in the operation of systems.

**WTRS 102 Water Systems Instrumentation And Controls (3 Units)**
Hours: 54 (54 lecture)
Introduction to the principles and operation of instrumentation and control devices used in water and wastewater systems. Includes the measurement of both open and closed channel flow, differential pressure measurement, level transmitters, recording devices, data acquisition and telemetry transmission. Basic concepts of electrical theory are examined, as well as their application to electrical control circuits and SCADA systems.

**WTRS 103 Pumps And Motors; Operation And Maintenance (3 Units)**
Hours: 54 (54 lecture)
Overview of pumps and motors used in the transmission of water. Emphasis is on the operation and maintenance of pumps, motors and their controls. Provides the maintenance technician with insights into the reasons for selection, as well as causes of failures and breakdowns. Application of hydraulics and pump curves are used for the selection and performance evaluation of pumps.

**WTRS 104 Advanced Water Treatment (3 Units)**
Course Advisories: WTRS 100.
Hours: 54 (54 lecture)
Second-level of water treatment courses. Designed to augment and advance the topics addressed in Water Science 110, Basic Water Treatment. The topics covered are advanced water quality control during treatment, treatment plant operation and maintenance, regulations for water quality control, sludge handling, and water reclamation.

**WTRS 105 Water Science Chemistry And Bacteriology (3 Units)**
Course Advisories: WTRS 100 or WTRS 110.
Hours: 54 (54 lecture)
Review of the fundamentals of chemistry and bacteriology as applied to the treatment processes of water and wastewater. The emphasis is on understanding why certain reactions take place and the analytical techniques used in measuring water quality parameters. Includes demonstrations of laboratory procedures for physical, chemical and bacteriological examination of water.

**WTRS 106 Groundwater Production And Protection (3 Units)**
Hours: 54 (54 lecture)
Study intended for operators of groundwater production and treatment facilities. Subjects include construction of wells, operation and maintenance of production wells, cost accounting methods and protection of groundwater resources. Also a review of the applicable state and federal regulations governing groundwater development and protection.

**WTRS 110 Basic Water Treatment (3 Units)**
Hours: 54 (54 lecture)
Basic fundamental study of the aspects of operating a water supply system, treatment processing, microbiological control and chemical handling. Course can be used to qualify for state certification for Grades I, II and III Water Treatment Plant Operator's Certificate.

**WTRS 111 Wastewater Collection (3 Units)**
Hours: 54 (54 lecture)
Designed for wastewater collection systems maintenance personnel. Included are sewer construction, cleaning methods, safety, elementary hydraulics, pipeline and manhole repair, equipment maintenance, public relations, communications and record-keeping.

**WTRS 112 Water Quality Protection And Cross Connection Control (3 Units)**
Hours: 54 (54 lecture)
Introduction to water quality protection by cross connection control. Required for preparation to become a Certified Backflow Prevention Device Tester. A review of the Uniform Plumbing Code and hydraulic principles as applied to the protection of public water supplies from contamination by plumbing connections in private systems.

**WTRS 113 Water And Wastewater Hydraulics (3 Units)**
Course Advisories: WTRS 100 or WTRS 110.
Hours: 54 (54 lecture)
Study of hydraulic principles as applied to the operation of water supply and wastewater systems. Topics include open channel flow, closed channel flow, pressure, force, flow measurement, pumping, head loss and treatment plant hydraulics.

**WTRS 114 Advanced Wastewater Treatment (3 Units)**
Prerequisites: WTRS 110.
Hours: 54 (54 lecture)
Study of the advanced techniques of operating a wastewater treatment plant, including process applications, regulatory compliance, environmental issues, costs and multistep problem-solving.

**WTRS 116 Water And Wastewater Management/Supervision (3 Units)**
Hours: 54 (54 lecture)
Study of supervisory and management skills necessary for the water professional to ensure that regulatory, health, safety and financial standards are met. Covered are planning, work methods, organization, personnel selection, training, discipline, motivation, leadership, safety, labor relations, public relations, politics and the ever-changing work environment.

**WTRS 117 Water and Wastewater Calculations (3 Units)**
Hours: 54 (54 lecture)
Problem-solving as applied to primary, secondary and tertiary water treatment operations.

# Work Experience (WEXP)
## Credit Courses

**WEXP 290 General Work Experience (1-4 Units)**
Hours: 300 (300 lab)
Combines academic study and practical work experience to develop students' marketable skills. Students pursue new or expanded responsibilities or learning opportunities beyond those experienced during previous employment. Student jobs need not be related to their educational goals. Students sign up for a unit load according to the number of hours they will work in a semester: 1 unit = 60 hours unpaid work or internship / 75 hours paid work or internship. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

# Zoology (ZOOL)
## Credit Courses

**ZOOL 110 Animal Physiology (3 Units)**
Hours: 54 (54 lecture)
How animals work. Animal physiological systems, perception of and responses to external stimuli, integration of activities, maintenance of the internal environment, locomotion and reproduction.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**ZOOL 122 Animal Diversity (3 Units)**
Hours: 54 (54 lecture)
Introduction to zoology, including animal diversity, anatomy and physiology, adaptations and evolution. Principles of ecology are also covered.
SBCC General Education: SBCCGE Area A Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**ZOOL 123 Animal Diversity Laboratory (1 Unit)**
Corequisites: ZOOL 122.
Hours: 54 (54 lab)
Laboratory and field investigations of animals. Covers animal diversity, anatomy and physiology, and principles of ecology and evolution.
SBCC General Education: SBCCGE Area A Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**ZOOL 124 Insect Biology (3 Units)**
Hours: 54 (54 lecture)
Introduction to anatomy, physiology, ecology, behavior and diversity of insects and other terrestrial arthropods.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**ZOOL 137 Ornithology (3 Units)**
Hours: 54 (54 lecture)
Systematics, distribution, physiology, behavior and ecology of birds. Emphasis on diversity, functional morphology and evolutionary history.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

**ZOOL 138 Biology of Birds (1.5 Unit)**
Hours: 45 (18 lecture, 27 lab)
Eight-week short course. Anatomy, physiology, evolution and behavior of birds. Field trips are timed to coincide with migratory periods and emphasize identification and classification.
Transfer Information: CSU Transferable, UC Transferable

**ZOOL 140 Animal Behavior (3 Units)**
Hours: 54 (54 lecture)
Introduction to animal behavior. An evolutionary examination of invertebrate and vertebrate behavior, including innate and learned behavior, foraging and self-defense strategies, sexual selection, mating systems and social behavior.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

# FACULTY AND ADMINISTRATORS

## Faculty and Administrators, 2022-2023

*NOTE: Year following name indicates first year of affiliation with Santa Barbara City College or its Noncredit Educational Programs.*

**CAMILA ACOSTA (2015)** A*ssistant Professor/Counselor, EOPS.* B.A., California Polytechnic State University; M.A., California Lutheran University.

**LIZA V. ADAMS (2023)** *Instructor, Cosmetology* B.A., M.B.A California State University Channel Islands.

**PETER AGUILAR (2012)** *Associate Professor, Biological Sciences.* B.A., University of California, Santa Barbara; M.A., San Diego State University.

**LYDIA AGUIRRE-FUENTES (2014)** *Assistant Professor/Academic Counselor.* B.A., California State University Northridge; M.S., California Lutheran University.

**IGNACIO ALARCON (1997)** *Professor, Mathematics.* M.S., M.A.S., Ohio State University.

**MICHAEL ALBRIGHT (2019)** *Instructor, Film and Media.* B.A., M.A., Ph.D., University of California, Santa Barbara.

**CORNELIA ALSHEIMER-BARTHEL (2012)** *Professor, Accounting.* B.A., M.A, Ph.D., Johann Wolfgang Goethe University, Frankfurt.

**DENISE I. ARANDA-CEDILLOS (2023)** *Instructor ESL,* M.A., California State Polytechnic University, Pomona.

**ARMANDO M. ARIAS DEL CID (2004)** *Assistant Professor, Drafting/CAD.* B.A., University of Costa Rica.

**GEORDIE ARMSTRONG (2020)** *Instructor,* Geography. B.A. History, San Francisco State University; M.A. Geography, San Francisco State University.

**PALOMA L. ARNOLD (2004)** Assistant Superintendent/ *Vice President, Student Affairs.* B.A., University of California, Los Angeles; M.A., Antioch University.

**SABRINA BARAJAS (2015)** *Assistant Professor/Counselor.* B.A., University of California, Santa Barbara; M.A., Antioch University.

**JENNYERIKA BARCO (2016)** *Assistant Professor/Counselor, Transfer Achievement Program Coordinator (TAP).* B.A., M.S., Ed.D., California State University, Los Angeles.

**BLAKELY R. BARRON (1999)** *Professor, Biological Sciences.* B.A., M.A., University of California, Santa Barbara.

**JENNIFER L. BAXTON (2004)** *Associate Professor, English Composition and Literature.* B.A., University of California, Santa Barbara; M.F.A., California Institute of the Arts.

**LINDA BEERS (2015)** *Assistant Professor/Counselor; DSPS Counselor/ Learning Disabilities Specialist.* B.A., University of Connecticut; M.A., California State University, Los Angeles.

**JON BEK (2015)** *Instructor, Computer Information Systems.* A.A., ITT Technical Institute; B.A., M.A., California State University, Los Angeles.

**BARBARA A. BELL (1997)** *Associate Professor, English.* B.A., M.A., Texas A&M University.

**CHRISTOPHER M. BERNT (2023)** *Instructor Chemisty*, P.H.D., Chemistry, University of California, Santa Barbara.

**JENNIFER BETANCOURT (2017)** *Assistant Professor, Biological Sciences.* B.S., University of California, Los Angeles; Ph.D., University of California, Santa Cruz.

**CURTIS L. BIEBER (2000)** *Assistant Professor, Film & Television Production.* B.S., Portland State University.

**ALYSSA G. S. BINDER (1998)** Instructor/Head Teacher, Orfalea Early Learning Center. ECE Certificate, A.S., Santa Barbara City College.

**SUSAN ANNE BLOCK (2005)** *Associate Professor, Professional Development Studies.* B.S., M.B.A., University of Wisconsin, Milwaukee.

**MARC ELLIOTT BOBRO (2005)** *Professor, Philosophy.* B.A., University of Arizona; Ph.D., University of Washington.

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**MARY SULLIVAN (2017)** *Assistant Professor, Associate Degree Nursing.* RN License; A.D.N., Middlesex Community College; B.S.N., Grand Canyon University, Phoenix; M.S.N., Arizona State University.

**MARTHA SWANSON (2021)** *Executive Director, Public Affairs and Communications.* B.S., Northwestern University.

**AMY SWEARNGIN (2016)** *Assistant Professor, Physics.* B.S., Illinois Institute of Technology; M.S., University of Central Florida; Ph.D., University of California, Santa Barbara.

**SHAWNA SWEENEY (2012)** *Associate Professor, Health Information Technologies/Cancer Information Management.* A.A.S., Northeast Iowa Community College; B.A., College of St. Scholastica; M.S., Dakota State University.

**DANIELLE J. SWIONTEK (2009)** *Professor, History.* B.A., M.A., Stanford University; M.A., Ph.D., University of California, Santa Barbara.

**BARRY D. TANOWITZ (2006)** *Professor, Biological Sciences (General/ Anatomy and Physiology).* B.A., University of California, Los Angeles; M.A., Ph.D., University of California, Santa Barbara.

**KIMBERLY G. TAYLOR (2009)** *Associate Professor/Counselor.* B.A., California State University, Fullerton; M.S., California State University, Long Beach.

**KAREN TEPAZ (2023)** *Instructor, Art,* Ceramics M.F.A., Yale.

**MARIT ERICA TER MATE-MARTINSEN (2005)** *Associate Professor, English as a Second Language.* B.A., Atlantic Union College; M.A., Monterey Institute of International Studies.

**GEOFFREY M. THIELST (1999)** *Assistant Professor, Marine Diving Technologies.* B.S., California State University, Long Beach.

**LEIDA TOLENTINO (2015)** *Instructor, Psychology.* M.A., University of Massachusetts; Ph.D., University of Pittsburgh.

**CHRISTINA TRUJILLO (2023)** *Instructor, English,* B.A., Literature, University of California, Santa Cruz; M.F.A., Creating Writing, Sarah Lawrence College

**CHRISTOPHER ULIVO (2012)** *Professor, Art.* B.F.A., Tyler School of Art, Temple University; M.F.A., Rhode Island School of Design.

**JAMES VAN ARSDALE (2017)** *Assistant Professor, Graphic Design.* B.F.A., University of Texas at Austin; M.F.A., Southern Methodist University.

**DANIEL VASEY (1997)** *Assistant Professor, Marine Diving Technologies.* A.S., Santa Barbara City College; B.S., University of Wisconsin, River Falls.

**LAURIE R. VASQUEZ (1999)** *Instructor/Assistive Technologies Specialist, D.S.P.S.* B.A., University of California, Santa Barbara.

**MARIA VILLAGOMEZ (2022)** Assistant Superintendent/*Vice-President Academic Affairs.* B.A., M.A., California State University, Sacramento. M.A., Sonoma State University, TESL Certificate.

**ELIAS VILLANUEVA (2014)** *Assistant Professor/Counselor, EOPS.* B.A., California State University, Northridge; M.S., California Lutheran University.

**EILEEN VLCEK-SCAMAHORN (2014)** *Assistant Professor, English.* B.A., University of California, Santa Barbara; M.A., University of California, Santa Barbara.

**JEFFREY WALKER (2016)** *Assistant Professor, Physical Education/Health/ Athletics-Baseball Coach.* B.A., Loyola Marymount University; M.A., National University; M.A., California University of Pennsylvania.

**JONATHAN R. WARD (2023)** *UMOJA Counselor*, M.A., Counseling, California State University, Bakersfield.

**ANGELA M. WARREN (2005)** *Associate Professor/Counselor; Transfer Academy Coordinator.* M.S.W., University of Washington.

**STEPHANIE WASHBURN (2016)** *Assistant Professor, Art.* B.A., Wesleyan University; M.F.A., University of California, Santa Barbara.

**ERIK WILK (2022)** *Director, Student Health and Wellness.* B.S., Swarthmore College; M.D., Cornell University Medical College.

**LYNETTE M. WILLIAMSON** (2008) *Professor, Health Information Technology/Cancer Information Management.* RHIA, CCS, CPC, FAHIMA; B.S., Florida International University; M.B.A., University of Phoenix.

**ERIC A. WISE (1990)** *Professor, Biological Sciences.* B.A., Humboldt State University; M.S., California Polytechnic State University, San Luis Obispo.

**LAURA WOYACH (2019)** *Instructor, Accounting.* B.A., M.B.A., Ph.D., Georgia Southern University.

**MICHAEL K. YOUNG (1995)** *Professor, Physics.* B.A., Pt. Loma Nazarene College; M.S., Ph.D., University of California, Los Angeles.

**DANIEL E. ZARATE (2023)** *Instructor, Biology*, P.H.D., Ecology and Evolutionary Biology, University of Colorado Boulder.

# Retired Faculty and Administrators

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ELSIE D. ANDERSON
L. DWIGHT ANDERSON[1]
HOMER ARRINGTON
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RONALD BAKER
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CHRISTOPHER BATES
ISABEL H. BECK
ANTHONY BEEBE
LORRAINE BELMONT[1]
LINDA BENET[1]
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LEA C. BLACKBURN[1]
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JACK BRASHEARS[1]
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MAURICE E. RYAN[1]

# FACULTY LECTURERS

This is a series of annual lectures, wherein a distinguished Santa Barbara City College faculty member is chosen by colleagues to deliver an address on a scholarly subject of general interest. The criteria for selection:

- Outstanding classroom teaching, counseling or librarianship
- Unselfish, dedicated faculty service to Santa Barbara City College

## 2023-2024 Faculty Lecture

*To be announced*

## Previous Faculty Lecture Honorees

**Dr. Robert Casier,** *1979-1980*
**Mr. Henry H. Bagish,** *1980-1981*
**Dr. Charles R. Courtney,** *1981-1982*
**Dr. Harold M. Dunn,** *1982-1983*
**Dr. John D. Kay,** *1983-1984*
**Mr. Raymond F. O'Connor,** *1984-1985*
**Dr. Barbara S. Lindemann,** *1985-1986*
**Dr. Elwood J. Schapansky,** *1986-1987*
**Dr. George E. Frakes,** *1987-1988*
**Dr. Elizabeth Hodes,** *1988-1989*
**Dr. Jack R. Ullom,** *1989-1990*
**Dr. Curtis B. Solberg,** *1990-1991*
**Ms. Diane J. Handloser,** *1991-1992*
**Dr. Robert J. Cummings,** *1992-1993*
**Mr. John C. Eggler,** *1993-1994*
**Mr. Michel Masson,** *1994-1995*
**Dr. Gary Carroll,** *1995-1996*
**Mr. David N. Lawyer, Jr.,** *1996-1997*
**Mr. Joseph P. White,** *1997-1998*
**Dr. Manoutchehr M. Eskandari-Qajar,** *1998-1999*
**Dr. Jeannette Webber,** *1999-2000*
**Dr. Peter O. Haslund,** *2000-2001*
**Ms. Genevieve B. Anderson,** *2001-2002*
**Mr. Carl W. Sundbeck,** *2002-2003*
**Dr. Janet Shapiro,** *2003-2004*
**Dr. Peter Georgakis,** *2004-2005*
**Mr. Jim Chesher,** *2005-2006*
**Dr. John Clark,** *2006-2007*
**Mr. Don Barthelmess,** *2007-2008*
**Dr. Karolyn Hanna,** *2008-2009*
**Dr. Robert S. Gray,** *2009-2010*
**Dr. Michael Young,** *2010-2011*
**Ms. Kathleen A. O'Connor,** *2011-2012*
**Ms. Kathleen Z. Molloy,** *2012-2013*
**Mr. Blakely R. Barron,** *2013-2014*
**Dr. Sonia M. Zúñiga-Lomelí,** *2014-2015*
**Dr. Kelly O. Lake,** *2015-2016*
**Ms. Pamela A. Guenther,** *2016-2017*
**Ms. Anne C. Redding,** *2017-2018*
**Dr. Jody Millward,** *2018-2019*
**Mr. Ignacio Ponce,** *2019-2020*
**Mr. Nathan Kreitzer** 2023-2024

# CATALOG ARCHIVE

The Santa Barbara City College Catalog is updated every year and, if needed, an addendum may be published in between the Fall and Spring semesters.

Choose an academic year to view the catalog:

- 2021 - 2022 (https://catalog.sbcc.edu/archive/2021-2022/) Addendum, December 2021 (https://drive.google.com/file/d/1d2F8v7XgKLb0wjC6V_uolyTkUATtbfl9/view/?usp=sharing)
- 2020 - 2021 (https://catalog.sbcc.edu/archive/2020-2021/) Addendum, December 2020 (https://drive.google.com/file/d/14F4dCNbC5zt_6AOaw80y35G3OgdQu3cl/view/?usp=sharing)
- 2019 - 2020 (https://catalog.sbcc.edu/archive/2019-2020/) Addendum, December 2019 (p. 529)
- 2018 - 2019 (https://catalog.sbcc.edu/archive/2018-2019/)
- 2017 - 2018 (https://catalog.sbcc.edu/archive/2017-2018/)
- 2016 - 2017 (http://sbcc.edu/catalog/2016_2017/)
- 2015 - 2016  (http://sbcc.edu/catalog/2015_2016/)
- 2014 - 2015  (http://sbcc.edu/catalog/2014_2015/)
- 2013 - 2014  (http://sbcc.edu/catalog/2013_2014/)
- 2012 - 2013  (http://sbcc.edu/catalog/2012_2013/)
- 2011 - 2012  (http://sbcc.edu/catalog/2011_2012/)
- 2010 - 2011  (http://sbcc.edu/catalog/2010_2011/)
- 2009 - 2010  (http://sbcc.edu/catalog/2009_2010/)
- 2008 - 2009  (http://sbcc.edu/catalog/2008_2009/)
- 2007 - 2008  (http://sbcc.edu/catalog/2007_2008/)

## 2019-2020 Catalog Addendum

Effective Spring 2020

### New Programs

- Global Studies, Associate in Arts for Transfer (AA-T) (https://drive.google.com/open/?id=1CpB6k_IWTB9l8s0By43bqDZnuHtRFuTG)
- Film, Television and Electronic Media (AS-T) (https://drive.google.com/open/?id=19vFgUUXsmWLYke4FsdIfP9NpEJbqxrvw)
- Nutrition and Dietetics (AS-T) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1QxHtWHRNUAAJ4OukrUTmcN6VaV0uvYWv/view/?usp=sharing)

### Program Corrections

- Drafting (AS) (https://drive.google.com/open/?id=1rw8eocPvetIS52MSjtTWOyzptj89VBWC)
- Drafting (C) (https://drive.google.com/open/?id=11odCjziF6mCagIdcOWxEA6ti5hW66UoW)

### New Courses

- CIS 265 - Google Cloud Computing Architecture
- GLST 105 - Global Environmental Politics (https://drive.google.com/a/pipeline.sbcc.edu/file/d/12pxqTG12oDC7CPyfnKP9D2KIFTipgqFs/view/?usp=sharing)

- PE 205 - Intercollegiate Beach Volleyball: Women
- POLS 108 - California Government and Politics

**Course Updates**

- NURS 119 - Introduction to RN for the LVN  (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1bC4NfR1p_9SzZaku12T-_vjRbKPFw__C/view/?usp=sharing)
- FS 119 - Film Comedy

**Course Corrections-Transferability**

- Anthropology (ANTH) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1xPbpWDyt8Eist5lDenp65e_IrQ410oSi/view/?usp=sharing)
- Art (ART) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1ZwMmkPbM6ylSZbKQquX24RazokivMCcn/view/?usp=sharing)
- Biology (BIOL) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1CV_A2DDegVtaxFGOZKBbzX7ZF78TIahT/view/?usp=sharing)
- Botany (BOT) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/15-vJoEh2Zm3VXf05CuxpPsscxs21FGal/view/?usp=sharing)
- Business Administration (BUS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1xugL-d98n84tlf8_hiRJOAtMM_OJP3Yk/view/?usp=sharing)
- Business Law (BLAW) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1I0I-V24lnPq0LpD7Luam4yIgJjCwoYUw/view/?usp=sharing)
- Biomedical Sciences (BMS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/168d-NgdRCIbxOAbpI6dgs8GlE6LYrjSG/view/?usp=sharing)
- Chemistry (CHEM) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1grv7tg8Q4FeX9Naxs1f7_AnYErIaCJ3r/view/?usp=sharing)
- Computer Information Systems (CIS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1LM9uz_eDgtrbgIjVfXgaHmas6jh5Ajwf/view/?usp=sharing)
- Computer Science (CS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1F37YJ_mrrZl355WLcb2W2Eh0B9LdsDLp/view/?usp=sharing)
- Drafting/CAD (DRFT)
- Economics (ECON) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1_8ybqylqym-st7YjMLwWlH4OInshEJIv/view/?usp=sharing)
- Education (ED) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/12xTPKTCj90xJtxLSBTJ5Uk0pz_4boQWp/view/?usp=sharing)
- Engineering (ENGR) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1l4Og3gMJL_J2_zlfFNvdWfRgV051Q_Mo/view/?usp=sharing)
- English as a Second Language (ESL) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1waR6wO90rAA-CtE_7muE-bTlx3P_GOZ6/view/?usp=sharing)
- Environmental Horticulture (EH) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1sVQ54yjjDH6GoCSgZqNiAwU2upqNsAvP/view/?usp=sharing)
- Environmental Studies (ENVS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1don-iRmpAfayoqp454cpkCb16_HGJz7b/view/?usp=sharing)
- Ethnic Studies (ETHS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1hjndKRHU-ZmAggiY-yIhAccCDXO6zV-7/view/?usp=sharing)
- Film and Television Production (FP) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1iPC0lKwv_eJArw0O08jL0FxiZf4_QAnq/view/?usp=sharing)

- Finance (FIN) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1ZElSHzuULe_fLWSrXjefQI64X47G8l9p/view/?usp=sharing)
- Graphic Design (GDP) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1oO0Pt7snduCZ1Osk9gYYMbotu6kanW1x/view/?usp=sharing)
- Health Education (HE) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1tzCB159nfpcIAv52ua25d9x4RmrjTvVa/view/?usp=sharing)
- History (HIST) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1LlOAHUyb5QNxoLh__6VapnuYPL8YaFew/view/?usp=sharing)
- International Business (IBUS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1iQRZk3GXqyqh3yYWF8Wztnn2QBPLGpZg/view/?usp=sharing)
- Journalism (JOUR) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1eXm3O0Eapbz2ZQZmRxLoCykT5mCctLgl/view/?usp=sharing)
- Justice Studies (AJ) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1qXiH2OEXOYqqlJzILUXLUFxZa1pTeWsq/view/?usp=sharing)
- Korean (KOR) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1oOd4Q3KoGjlbG20HHWbQarDl8_H-PBkr/view/?usp=sharing)
- Mathematics (MATH) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1yNzV9VWHPzwvuynOvnAKBAFkDa1kvJFF/view/?usp=sharing)
- Music (MUS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1ObJtMBh_LUkTbtfEWmODXxqeCrGc8tKL/view/?usp=sharing)
- Personal Development (PD) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1B68b6nbnQapQqdo3TCPsfYB4oWSN9rZS/view/?usp=sharing)
- Physical Education (PE) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1Tcz2N7hrDvh9uTCgrhpwDJoG_c-Xl7_m/view/?usp=sharing)
- Physical Science (PHSC) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1UYnmxeWvfgd9YTyCglw4dKteO6R4bRwl/view/?usp=sharing)
- Physics (PHYS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1j-cjJoCByfm8a74XZdCnBvteK2P2rQ5I/view/?usp=sharing)
- Political Science (POLS) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1RXSidDcomp2TCYXOgGtD2H04uc0o-qgw/view/?usp=sharing)
- Psychology (PSY) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1qWPYOoxwNShZM36Z854o64RlQh_IJRwH/view/?usp=sharing)
- Sociology (SOC) (https://drive.google.com/a/pipeline.sbcc.edu/file/d/1tidWFU_AqOqqHnYekjHrmDKpKbJe4g_F/view/?usp=sharing)

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