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Santa Barbara City College

General Catalog, 2017 - 2018

721 Cliff Dr., Santa Barbara, CA 93109-2394
Phone: (805) 965-0581
Fax: (805) 963-7222
Web: www.sbcc.edu (http://www.sbcc.edu)

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!

Nationally Recognized!
You have made the outstanding choice to attend the top community college in the nation! In 2013, Santa Barbara City College received the prestigious Aspen Award and was recognized as the number one community college in the country of over 1,000 colleges! Since then, we have continued to receive top recognitions for the college and our many programs.

Transfer to a Four-Year College or University!
Our support programs for transfer 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), California Private/Independent Colleges, or out-of-state universities, we are committed to helping make your transfer goal a reality!

Career and Education!
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 the respective field and they tend to make use of hands-on learning and focus on the programs of study. SBCC has over 50 programs ranging from Automotive to Nursing, with many of the programs offering certificates and degree options.

Looking forward to seeing you around campus!

Anthony E. Beebe, PhD, EdD
Superintendent/President
## CALENDAR

### Calendar, 2017-2018

**Fall Semester, 2017**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 17</td>
<td>All-Campus Kick Off Day</td>
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<tr>
<td>August 18</td>
<td>Scheduled Faculty Flex Day</td>
</tr>
<tr>
<td>August 21-26</td>
<td>Fall Semester</td>
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<tr>
<td>September 2</td>
<td>Last Day to Drop Classes Without &quot;W&quot; (with Enrollment/Tuition Refund)</td>
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<tr>
<td>September 4</td>
<td>Labor Day, Holiday</td>
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<tr>
<td>September 22</td>
<td>Last Day to Petition for Pass/No Pass Grading</td>
</tr>
<tr>
<td>October 20</td>
<td>Last Day to Withdraw from Classes/College</td>
</tr>
<tr>
<td>November 10</td>
<td>Veterans Day, Holiday (observance)</td>
</tr>
<tr>
<td>November 23</td>
<td>Thanksgiving Vacation</td>
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<tr>
<td>December 2</td>
<td>Last Day of Instruction</td>
</tr>
<tr>
<td>December 4-9</td>
<td>Final Examinations</td>
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<tr>
<td>December 9</td>
<td>Fall Semester Ends</td>
</tr>
<tr>
<td>December 10-20</td>
<td>Winter Vacation</td>
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<td>December 25</td>
<td>Christmas Day, Holiday</td>
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**Spring Semester, 2018**

<table>
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<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>January 1</td>
<td>New Year's Day, Holiday</td>
</tr>
<tr>
<td>January 11</td>
<td>All-Campus Kick Off Day</td>
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<tr>
<td>January 12</td>
<td>Scheduled Faculty Flex Day</td>
</tr>
<tr>
<td>January 15</td>
<td>Martin Luther King, Jr. Day, Holiday</td>
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<tr>
<td>January 16-20</td>
<td>Spring Semester</td>
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<tr>
<td>January 27</td>
<td>Last Day to Drop Classes Without &quot;W&quot; (with Enrollment/Tuition Refund)</td>
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<tr>
<td>January 28</td>
<td>Last Day to Drop Classes without &quot;W&quot; (without Enrollment/Tuition Refund)</td>
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<tr>
<td>February 15</td>
<td>Last Day to Petition for Pass/No Pass Grading</td>
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<tr>
<td>February 16</td>
<td>Lincoln's Birthday, Holiday Observance</td>
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<td>February 19</td>
<td>Washington's Birthday, Holiday Observance</td>
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<tr>
<td>March 16</td>
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<td>March 26-31</td>
<td>Spring Break</td>
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<tr>
<td>May 5</td>
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<td>May 7-12</td>
<td>Final Examinations</td>
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<td>May 11</td>
<td>Commencement Ceremony</td>
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<tr>
<td>May 12</td>
<td>Spring Semester Ends</td>
</tr>
<tr>
<td>May 28</td>
<td>Memorial Day, Holiday</td>
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1 Online services only. Last day for in-person service is September 1 (Fall) and January 26 (Spring).
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)
Marty Blum (December 2010)
Marsha S. Croninger (December 2010)
Veronica Gallardo (December 2012)
Peter O. Haslund (December 2010)
Marianne Kugler (December 2012)
Craig Nielsen (December 2012)
Anthony E. Beebe, Secretary to the Board (July 2016)

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 second and 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

Anthony E. Beebe - Superintendent/President
Paul Jarrell - Executive Vice President, Educational Programs
Paul Bishop - Vice President, Information Technology
Monalisa Hasson - Vice President, Human Resources
Lyndsay Maas - Vice President, Business Services
Melissa Moreno - Interim Vice President, School of Extended Learning

President’s Office
Anthony E. Beebe - Superintendent/President
Angie Esqueda - Executive Assistant to the President and Board of Trustees
Luz Reyes-Martin - Executive Director of Public Affairs and Communications

Human Resources
Monalisa Hasson - Vice President

Business Services
Lyndsay Mass - Vice President
Mark Broomfield - Facility Operations Manager
Erik Fricke - Director, Security
Nicole Hubert - Student Finance Manager
Tracy Janecek - Payroll Manager
Paul Miller - Director, Auxiliary Services
Robert Morales - Director, Administrative Services/Emergency Response and Interim Director, Facilities and Operations
Josh Murray - Facility Operations Manager
James Zavas - Assistant Controller and Interim Controller

Information Technology
Paul Bishop - Vice President
Jim Clark - Director, Information Technology User Services
Jason Walker - Director, Student Technology Support
Dan Watkins - Director, Information Technology Infrastructure and Systems

Educational Programs
Paul Jarrell - Executive Vice President
Melissa Moreno - Interim Vice President, School of Extended Learning

Arturo Rodriguez - Dean
Jens-Uwe Kuhn - Dean
Christopher Johnson - Associate Dean
Kathie Adams - Director, Transfer Center
Paloma Arnold - Director, EOPS/CARE
Elizabeth Bowman - Director, Library
Jeanette Chian Brooks - Associate Director, Center for Lifelong Learning
Rocco Constantino - Director, Athletics
Virginia Estrella - Coordinator, MESA
Laura Fariss - Director, Student Health Services
Jana Garnett - Director, Disabilities Services and Programs for Students
Vandana Gavaskar - Director, Cartwright Learning Resources Center
Luis Giraldo - Director, Equity, Diversity and Cultural Competency
Andrew Harper - Executive Director, Center for Lifelong Learning
Kendall Harris - Associate Director, Center for Lifelong Learning
Elizabeth Imhof - Director, Faculty Resource Center
Claudia Johnson - Director, Dual Enrollment Programs
Michael Medel - Director, Admissions & Records
Silvia Morgan - Interim Coordinator, Noncredit Educational Programs
Judy Osterhage - Coordinator, Foster Kinship Care Education
Vanessa Pelton - Coordinator, Enrollment and Retention Services
Christopher Phillips - Director, Career Center
Saul Quiroz - Director, Financial Aid
Kyle Rasmussen - Coordinator, Veterans Support and Services Centers
Z Reisz - Director, Institutional Assessment, Research and Planning
Elisabeth Rizo - Director, Orfalea Early Learning Center
Julie Samson - Director, Entrepreneurship Program
Carola Smith - Senior Director, International Student Services Program/Study Abroad
David Wong - Director, Instructional Technology

Divisions and Departments Organization
Business Education Division
Alan Price - Acting Dean

<table>
<thead>
<tr>
<th>Department</th>
<th>Chairperson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Cornelia Alsheimer</td>
</tr>
<tr>
<td>Business Administration/Real Estate</td>
<td>Bonnie Chavez</td>
</tr>
<tr>
<td>Department</td>
<td>Chairperson</td>
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<tr>
<td>---------------------------------------------------</td>
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</tr>
<tr>
<td>Computer Applications and Office Management</td>
<td>Jennifer Robinson</td>
</tr>
<tr>
<td>Computer Information Systems</td>
<td>Esther Frankel</td>
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<tr>
<td>Finance, International Business</td>
<td>Julie Brown</td>
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<td>Marketing</td>
<td>Julie Brown</td>
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<td>Professional Development Studies</td>
<td>Vacant</td>
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<tr>
<td><strong>Cosmetology Academy</strong></td>
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<tr>
<td>Melissa Moreno - Interim Vice President, School of Extended Learning</td>
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<tr>
<td><strong>Department</strong></td>
<td><strong>Chairperson</strong></td>
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<tr>
<td>Cosmetology</td>
<td>Michelle Puailoa</td>
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<tr>
<td><strong>English Division</strong></td>
<td></td>
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<tr>
<td>Alice Perez, Dean</td>
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</tr>
<tr>
<td><strong>Department</strong></td>
<td><strong>Chairperson</strong></td>
</tr>
<tr>
<td>English</td>
<td>Barbara Bell</td>
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<tr>
<td>English Skills</td>
<td>Margaret Prothero</td>
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<tr>
<td><strong>Fine Arts Division—Humanities</strong></td>
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<tr>
<td>Alice Perez, Dean</td>
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<tr>
<td><strong>Department</strong></td>
<td><strong>Chairperson</strong></td>
</tr>
<tr>
<td>Art</td>
<td>Christopher Ulivo</td>
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<tr>
<td>Music</td>
<td>John Clark</td>
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<tr>
<td>Theatre Arts</td>
<td>Patricia Frank/Katie Laris</td>
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<td><strong>Fine Arts Division—Media Arts</strong></td>
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<tr>
<td>Alice Perez, Dean</td>
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<tr>
<td><strong>Department</strong></td>
<td><strong>Chairperson</strong></td>
</tr>
<tr>
<td>Film and Media Studies</td>
<td>Nicolas Maestu</td>
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<tr>
<td>Film and Television Production</td>
<td>Curtis Bieber</td>
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<tr>
<td>Graphic Design and Photography</td>
<td>Seantel Sanders</td>
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<tr>
<td>Journalism</td>
<td>Patricia Stark</td>
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<tr>
<td>Multimedia Arts and Technology</td>
<td>Michael Gallegos/Alejandra Jarabo</td>
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<tr>
<td><strong>Health/Human Services Division</strong></td>
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<tr>
<td>Alan Price, Dean</td>
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<tr>
<td><strong>Department</strong></td>
<td><strong>Chairperson</strong></td>
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<tr>
<td>Addictive Disorders Counseling</td>
<td>Gordon Coburn</td>
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<tr>
<td>Allied Health/CNA</td>
<td>Michelle Lehne</td>
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<tr>
<td>Allied Health/EMT</td>
<td>Michelle Lehne</td>
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<tr>
<td>Allied Health/Nursing Lab</td>
<td>Michelle Lehne</td>
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<tr>
<td>Early Childhood Education</td>
<td>Julie Smith</td>
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<tr>
<td>Education</td>
<td>Julie Smith</td>
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<td>Health Information Technology/</td>
<td>Shawna Sweeney</td>
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<td>Cancer Information Management</td>
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<tr>
<td>Medical Imaging Sciences/DMS</td>
<td>Bruce Oda/Danielle Terveen</td>
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<tr>
<td>Registered (ADN) Nursing</td>
<td>Sheri Shields</td>
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<tr>
<td>School of Justice Studies</td>
<td>Anne Redding</td>
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<tr>
<td>Vocational Nursing</td>
<td>Rosette Strandberg</td>
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<tr>
<td><strong>Mathematics Division</strong></td>
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<td>Jens-Uwe Kuhn, Dean</td>
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<tr>
<td><strong>Mathematics</strong></td>
<td><strong>Chairperson</strong></td>
</tr>
<tr>
<td>Mathematics</td>
<td>Jamie Campbell</td>
</tr>
<tr>
<td>Mathematics 1-4</td>
<td>Bronwen Moore</td>
</tr>
<tr>
<td><strong>Modern Languages/English as Second Language Division</strong></td>
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</tr>
<tr>
<td>Jens-Uwe Kuhn, Dean</td>
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</tr>
<tr>
<td><strong>Department</strong></td>
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</tr>
<tr>
<td>English as a Second Language</td>
<td>Robin Goodnough</td>
</tr>
<tr>
<td>School of Modern Languages</td>
<td>Dina Castillo</td>
</tr>
<tr>
<td><strong>Physical Education Division</strong></td>
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<tr>
<td>Kenley Neufeld, Dean</td>
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<tr>
<td><strong>Department</strong></td>
<td><strong>Chairperson</strong></td>
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<tr>
<td>Life Fitness Center</td>
<td>Ellen O'Connor</td>
</tr>
<tr>
<td>Physical Education, Health Education and Recreation</td>
<td>Kathleen O'Connor</td>
</tr>
<tr>
<td><strong>Sciences Division</strong></td>
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<tr>
<td>Jens-Uwe Kuhn, Dean</td>
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<tr>
<td><strong>Department</strong></td>
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<tr>
<td>Biological Sciences</td>
<td>Adam Green</td>
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<tr>
<td>Chemistry</td>
<td>Raeanne Napoleon</td>
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<tr>
<td>Computer Science</td>
<td>Dean Nevins</td>
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<tr>
<td>Earth and Planetary Sciences/Geography</td>
<td>Michael Robinson</td>
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<tr>
<td>Engineering</td>
<td>Nicholas Arnold</td>
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<td>Environmental Studies</td>
<td>Adam Green</td>
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<td>Physics</td>
<td>Michael Young</td>
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<td><strong>Social Science Division</strong></td>
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<td>Alice Perez, Dean</td>
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<td><strong>Department</strong></td>
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<tr>
<td>American Ethnic Studies</td>
<td>Thomas Carrasco</td>
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<tr>
<td>Communication</td>
<td>Carrie Hutchinson</td>
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<td>History</td>
<td>David Elliott</td>
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<td>Middle East Studies</td>
<td>Andrea Haupt</td>
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<td>Philosophy</td>
<td>Marc Bobro</td>
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<tr>
<td>Political Science/Economics/Global Studies</td>
<td>Andrea Haupt</td>
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<tr>
<td>Psychology</td>
<td>Joshua Ramirez</td>
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<tr>
<td>Sociology/Anthropology</td>
<td>Phyllisa Eisentraut</td>
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<tr>
<td><strong>Technologies Division</strong></td>
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<tr>
<td>Alan Price, Dean</td>
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<td><strong>Department</strong></td>
<td><strong>Chairperson</strong></td>
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<tr>
<td>Automotive Service and Technology</td>
<td>David Brainerd/Russell Granger</td>
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<tr>
<td>Computer Network Engineering</td>
<td>Angel Cardenas</td>
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<tr>
<td>Construction Technology</td>
<td>Patrick Foster</td>
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<tr>
<td>Drafting/CAD/Interior Design</td>
<td>Armando Arias</td>
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<td>Environmental Horticulture</td>
<td>Michael Gonella</td>
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<tr>
<td>Marine Diving Technologies</td>
<td>Geoff Thielst</td>
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<tr>
<td>School of Culinary Arts and Hotel Mgmt</td>
<td>Randall Bublitz</td>
</tr>
</tbody>
</table>
Noncredit Programs
Melissa Moreno - Interim Vice President, School of Extended Learning
Silvia Morgan - Interim Noncredit Program Coordinator

- Adult Basic Education
- Adult High School/GED
- Basic Skills
- Business and Computer Applications
- Career Skills Institute
- Community Education Center
- English as a Second Language (ESL)
- Green Gardener
- Health and Human Services
- Parent Child Workshops/Parent Education
- Professional Development Center
- Short Term Vocational Training
- Student Support Services
- Technologies
- Media Arts and Design
- Workforce Preparation
## EDUCATIONAL PROGRAMS – DEPARTMENTS AND STUDENT SUPPORT SERVICES

<table>
<thead>
<tr>
<th>Department/Program</th>
<th>Director/Chair</th>
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<tbody>
<tr>
<td>Associated Student Government</td>
<td>Christopher Johnson, Associate Dean</td>
</tr>
<tr>
<td>California Work Opportunity and Responsibility to Children (CalWORKs)</td>
<td>Paloma Arnold, Director</td>
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<tr>
<td>Cooperative Agencies Resources for Education (CARE)</td>
<td>Paloma Arnold, Director</td>
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<tr>
<td>Disabled Student Programs and Services (DSPS)</td>
<td>Jana Garnett, Director</td>
</tr>
<tr>
<td>Extended Opportunity Programs and Services (EOPPS)</td>
<td>Paloma Arnold, Director</td>
</tr>
<tr>
<td>Student Health and Wellness</td>
<td>Laura Fariss, Director</td>
</tr>
<tr>
<td>Student Housing</td>
<td>Christopher Johnson, Associate Dean</td>
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<td>Student Life</td>
<td>Christopher Johnson, Associate Dean</td>
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<tr>
<td>Veterans Services</td>
<td>Christopher Johnson, Associate Dean</td>
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<tr>
<td>Melissa Moreno, Interim VP, School of Extended Learning</td>
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<tr>
<td>Dual Enrollment Programs</td>
<td>Claudia Johnson, Director</td>
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<td>Middle College</td>
<td>Melissa Moreno, Interim VP</td>
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<td>Noncredit Programs</td>
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<td>Professional Development Center</td>
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<td>Admissions &amp; Records</td>
<td>Michael Medel, Director</td>
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<td>Articulation/IGETC and CSU GE Certification</td>
<td>Laura Castro, Articulation Officer</td>
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<tr>
<td>Distance Education</td>
<td>Kenley Neufeld, Dean</td>
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<tr>
<td>Faculty Professional Development</td>
<td>Kenley Neufeld, Dean</td>
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<tr>
<td>Faculty Resource Center</td>
<td>Elizabeth Imhof/David Wong, Co-Directors</td>
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<tr>
<td>Financial Aid/Student Scholarships/Federal Work Study</td>
<td>Saul Quiroz, Director</td>
</tr>
<tr>
<td>Instructional Technology</td>
<td>David Wong, Director</td>
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<tr>
<td>Library</td>
<td>Elizabeth Bowman, Director</td>
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<tr>
<td>Scheduling Office</td>
<td>Kenley Neufeld, Dean</td>
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<tr>
<td>Transcript Evaluation/Prerequisite Challenge Office</td>
<td>Michael Medel, Director</td>
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<tr>
<td>Arturo Rodriguez, Dean</td>
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<tr>
<td>Academic Counseling Center</td>
<td>Gwyer Schuyler/Kimberly Taylor, Co-chairs</td>
</tr>
<tr>
<td>Academic/Progress, Probation-Disqualification</td>
<td>Arturo Rodriguez, Dean</td>
</tr>
<tr>
<td>Career Center</td>
<td>Christopher Phillips, Director</td>
</tr>
<tr>
<td>Degree Evaluation/Certification Office</td>
<td>Arturo Rodriguez, Dean</td>
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<tr>
<td>Enrollment and Retention Services</td>
<td>Vanessa Pelton, Director</td>
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<tr>
<td>Foster Care and Kinship/Independent Living</td>
<td>Judy Osterhage, Director</td>
</tr>
<tr>
<td>Guardian Scholars Program</td>
<td>Judy Osterhage, Director</td>
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<tr>
<td>Personal Development</td>
<td>Arturo Rodriguez, Dean</td>
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<tr>
<td>Scholastic Standards</td>
<td>Arturo Rodriguez, Chair</td>
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<td>Student Discipline</td>
<td>Arturo Rodriguez, Dean</td>
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<td>Student Grievances</td>
<td>Arturo Rodriguez, Dean</td>
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<tr>
<td>Student Success and Support Committee</td>
<td>Arturo Rodriguez, Dean/Chair</td>
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<tr>
<td>Transfer Academy</td>
<td>Angela Warren, Coordinator/Counselor</td>
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<tr>
<td>Transfer Achievement Program</td>
<td>Kathie Adams, Coordinator/Counselor</td>
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<td>Transfer Center</td>
<td>Kathie Adams, Director/Counselor</td>
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<tr>
<td>Alice Perez, Dean</td>
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<tr>
<td>Assessment Center</td>
<td>Sara Volle, Coordinator</td>
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<tr>
<td>The Channels Newspaper</td>
<td>Patricia Stark, Faculty Adviser</td>
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<tr>
<td>College Achievement Program (CAP)</td>
<td>Jody Millward</td>
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<tr>
<td>Honors Program</td>
<td>Melanie Eckford-Prossor, Director</td>
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<tr>
<td>iPATH General Education Transfer Program</td>
<td>Tina Kistler, Director</td>
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<tr>
<td>Learning Resources Center</td>
<td>Barb Freeman, Supervisor</td>
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<td>Learning Support Services</td>
<td>Vandana Gavaskar, Director</td>
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<td>Alan Price, Dean</td>
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<tr>
<td>Entrepreneurship Program</td>
<td>Julie Samson, Director</td>
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<tr>
<td>Orfalea Early Learning Center</td>
<td>Elisabeth Rizo, Director</td>
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<td>Jens-Uwe Kuhn, Dean</td>
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<tr>
<td>Center for Sustainability</td>
<td>Adam Green, Coordinator</td>
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<tr>
<td>MESA Program</td>
<td>Virginia Estrella, Coordinator</td>
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<tr>
<td>STEM Transfer Program</td>
<td>Jens-Uwe Kuhn, Director</td>
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</table>
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...
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 are available for review on the web at [www.sbcc.edu/accreditation](http://www.sbcc.edu/accreditation).

**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 of its 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 2011 students, are:

<table>
<thead>
<tr>
<th>Completion Rate</th>
<th>29.45%</th>
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<tbody>
<tr>
<td>Transfer Rate1</td>
<td>10.90%</td>
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Santa Barbara City College’s rates, based on the most recent cohort of Fall 2011 students, are:

<table>
<thead>
<tr>
<th>Completion Rate</th>
<th>31.63%</th>
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</thead>
<tbody>
<tr>
<td>Transfer Rate1</td>
<td>15.04%</td>
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</table>

1 Transfer rates are incomplete since transfer students who also complete degree and certificate degrees are not included in the transfer numbers. See srtk.cccco.edu/index.asp (https://catalog.sbcc.edu/general-information/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 was established in 1976 to provide Santa Barbara City College with private philanthropic support. The foundation acts in partnership with the college and bridges the gap between available public funding and institutional need, as determined by the college leadership. Serving as the vehicle through which individuals and organizations may invest in the college, the foundation fuels the educational excellence that has long been the hallmark of SBCC. The SBCC Foundation provides more than $4 million annually for student success programs, scholarships, book grants, and other critical needs of the college in order to support SBCC students as they prepare for careers, transfer to four-year universities, and pursue lifelong learning goals.

Noncredit Educational Programs
Noncredit Educational Programs are designed for students who do not need college unit credits at a particular point in their educational career. The college continues to offer and expand noncredit courses and programs in the following areas: Adult High School/GED, English as a Second Language, and Short-Term Vocational. These programs provide pathways for students to advance to the credit division of SBCC and/or obtain employment.

Center for Lifelong Learning
The Center for Lifelong Learning (CLL) responds to the diverse lifelong learning needs of the adult Santa Barbara community through promoting knowledge of the arts, healthy living styles, and intellectual studies. The CLL offers classes in art, crafts, cooking, fitness and other personal enrichment subjects. The CLL is independent of state funding, which enables the Center to have much greater flexibility to offer fee-based classes in a wide range of topics and in formats that are responsive to the learning needs in our community. The CLL is a self-sustaining unit of the college, supported through tuition fees, donations and fundraising.

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, www.sbcc.edu/policies (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 printed in the next regular publication of the Catalog or Class Schedule, 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 the College Superintendent/President.
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 residents are required to pay 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 ten (10) units of college-level courses at Santa Barbara City College through the Dual Enrollment Program.

Under the Dual Enrollment Program, seniors may concurrently register in up to twelve (12) units of college-level courses. 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 signature from a parent.

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 exempted from the enrollment fee; they may, however, be individually considered for the BOGW fee waivers, part A, B or C. Those students who do not qualify for a BOGW fee waiver will be required to pay the enrollment fee for all units. All other out-of-state, non-resident and international students must pay tuition unless exempted. 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 at www.sbcc.edu/apply (http://www.sbcc.edu/apply). Dual Enrollment Approval Forms are available through students’ school counselors, Admissions & Records and online at www.sbcc.edu/apply (http://www.sbcc.edu/apply). The Dual Enrollment Approval Form must have a signed recommendation from the student’s principal or high school counselor, and signature of a parent. 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) 898-8174 or for more information visit www.sbcc.edu/dualenrollment (http://www.sbcc.edu/dualenrollment).

Middle College
Through Middle College, 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 requirements through an Independent Study program while also taking classes at SBCC. The curriculum is rigorous and relevant and, along with individualized support, is designed to help students smoothly transition to college. 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 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 (SS-110), to register as a Special 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 Director, Admissions & Records, for petition information at (805) 730-4001.

Persons not eligible to enter ninth (9th) grade or higher may petition Director, Admissions & Records (SS-110), to register as a Special 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 (SS-110), for petition information.

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 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, he/she 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 www.sbcc.edu/residency (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 to be admitted to register and for residency status based on the type of visa, visa issue 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
Application Requirements
1. Apply by the following application deadlines:
   a. Fall Semester: June 15, July 1
   b. Spring Semester: October 15, November 1
   c. Summer Session: April 15, April 15
2. Students must be 18 years or older by the time of arrival at SBCC.

3. Confidential Financial Statement: Verification of funds sufficient to cover all expenses while in this country, approximately $25,619 (9 months), or $29,972 (12 months), including Summer (optional) in 2017-2018. An official bank certification letter issued within the past 6 months 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. All students must take the SBCC English assessment test to determine their level of proficiency in English.

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 $1,400 per academic year (subject to change).

7. Submit a transfer 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 85%.

8. A non-refundable $50.00 application fee, which is payable online, is required for processing the application.

1. Out-of-USA applicants

2. Current F-1 students in USA

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 unless they have prior written authorization by the International Student Advisers or the Senior Director of 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 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, to work, or to transfer is impeded.

2. International students cannot depend on employment for financial support while in the U.S. Employment in the U.S. is unlawful unless it is authorized by the Department of Homeland Security. Students who successfully complete one semester of non-ESL classes at SBCC and maintain 12 units are permitted to work on campus up to 19.5 hours per week, but there are very few jobs available.

3. International students are required to adhere to the same academic standards as other students and shall be subject to the same rules of probation and disqualification. A student who is academically disqualified is in violation of student visa status.

4. International students are required to pay a $285 tuition fee per unit, plus the enrollment fee of $46 (subject to change).

5. International students must attend a mandatory meeting upon arrival to learn about the immigration rules applying to them.

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 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.

Applications for the Honors Program and a list of courses offered may be found online at www.sbcc.edu/ honors/website/honorsapp.pdf (http://www.sbcc.edu/%20honors/website/honorsapp.pdf) or from Dr. Melanie Eckford-Prossor, the Honors Program Director (IDC-311).

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 in the Department and Course Descriptions section of this Catalog.

iPATH General Education Transfer Program

iPATH is a program designed to ease the transfer process for eligible students. iPATH class sizes are small (25-35), with an emphasis on student success. Tutor support, interactive learning and more engagement with your instructor and peers is the iPATH focus. Additional support services, such as academic counseling and career counseling, is built into the program. iPATH courses are all General Education courses taken from the IGEC and CSU GE patterns. For program information, visit www.sbcc.edu/ipath (http://www.sbcc.edu/ipath), or call (805) 730-4356.
Learning Communities
For program information and applications, visit www.sbcc.edu/esp (http://www.sbcc.edu/esp), or call (805) 730-4274.

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, (805) 730-4226.

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

School of Culinary Arts and Hotel Management
Special supplemental application procedures and admission criteria apply to this program. Refer to the Culinary Arts and Hotel Management section of this Catalog for additional information or contact the School of Culinary Arts and Hotel Management Office, (805) 730-4258.

School of Nursing: Associate Degree Nursing, Vocational Nursing, Certified Nursing Assistant, Home Health Aide
Special supplemental application procedures and admission criteria apply to these programs. Refer to the School of Nursing 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 2017—August 20, 2017; and Spring 2018—January 15, 2018. (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. Submit documentation with application.
3. Have parents or a guardian who have resided in California for one year and one day, if he/she 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 his/her 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.
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.

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 high school in California for at least three years and received a California high school diploma or its equivalent (per AB 540 statute). Contact Admissions & Records for information and an exemption request form or go to www.sbcc.edu/forms (http://www.sbcc.edu/forms).

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 questionnaire and a statement of financial independence and 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.

Military personnel on active duty in California, their spouses and dependent children qualify as immediate residents. (Submit documentation with application.) Other exemptions to tuition for military personnel may be available pursuant to Veterans Access Choice and Accountability (VACA). Contact Admissions & Records for information.
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 www.sbcc.edu/apply (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
- iPATH General Education Transfer Program
- Learning Communities
- Marine Diving Technologies
- Nursing: Associate Degree Nursing, Vocational Nursing, Certified Nursing Assistant, Home Health Aide
- Radiographic and Imaging Sciences/Diagnostic Medical Sonography
- Dual Enrollment and Middle College
- School of Culinary Arts and Hotel Management
- Special Students

For information on:

- Cosmetology, Esthetician Programs, (805) 683-4191
- School of Culinary Arts and Hotel Management, (805) 730-4258
- iPATH General Education Transfer Program, www.sbcc.edu/ipath (http://www.sbcc.edu/ipath)
- Learning Communities, www.sbcc.edu/esp (http://www.sbcc.edu/esp)
- 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 Student Status, (805) 730-4001

When students file their applications with Admissions & Records, they will be given information about the Assessment, Orientation and Advising programs. These programs are provided to help students succeed in reaching their educational goals.

2. Log on to Student Portal—Pipeline
Log on to the student portal—Pipeline at http://pipeline.sbcc.edu. 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 e-mail account. All official college correspondence will be sent to your SBCC e-mail account.

3. 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 www.sbcc.edu/financialaid (http://www.sbcc.edu/financialaid), as well as the Financial Aid section of this Catalog.

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 at www.sbcc.edu/orientation (http://www.sbcc.edu/orientation).

5. Assessment and Prerequisites
When students file an application for admission to the college, they receive information regarding assessment and prerequisite requirements. First-time-in-any-college students with goals of Associate Degree, transfer, certificate, or basic English/reading/math skills are required to be assessed in both Math and English or English as a Second Language before enrolling in any classes. All other students are strongly advised to assess prior to enrollment. Assessment may include options other than testing. It is important that students read the list of acceptable Assessment options noted in this section for alternatives to testing. Students seeking to defer or refuse assessment should contact the Assessment Office for procedures. For additional information about testing, call (805) 730-4149. If you have a verified disability that requires accommodation, contact the Learning Disabilities Specialist, (805) 730-4164, to request alternative test-taking arrangements. For information about the English as a Second Language test, call Assessment at (805) 730-4149, or the English as a Second Language Department at (805) 730-4120.

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 at sbcc.edu/teo (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 necessary for class success. Enrollment in such courses is recommended for students who have met the eligibility level prescribed.

Test Availability

Assessment tests are offered prior to registration each semester. Testing is available on computer in the Assessment Computer Lab on a drop-in basis. In addition, during the spring months, testing is offered on a variety of Saturdays by appointment. Specific test dates and times are listed at the Assessment website, www.sbcc.edu/assessment (http://www.sbcc.edu/assessment). Students who require accommodation for testing should contact SBCC’s Disabled Student Programs and Services (DSPS) to make advance arrangements.

Assessment Alternatives (Testing not required)

Alternatives to Assessment testing are listed below. Students may bring or mail verification to the Assessment Center (Rm. SS-251). Visit www.sbcc.edu/assessment (http://www.sbcc.edu/assessment) and click on “Alternatives to Testing” to begin the evaluation and review process prior to enrollment. Note: Test scores marked with an asterisk below must include submission of an official high school transcript.

English

• Advanced Placement scores of 3, 4, 5 on the English Literature or Language exams;
• *A score of 5 or higher on the International Baccalaureate English Exam;
• *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;
• ACT English test score of 22, or higher;
• *Proof of AWPE exam passage at UC, or score of 147 or higher on the EPT exam at CSU;
• EAP English status of "Standard Exceeded." Note: ‘conditional’ status is not accepted.
• An equivalent English 110 course (Freshman Composition), with a grade of "C" or higher; or
• BA or BS degree from a regionally accredited college or university in the United States.

Mathematics

• Score of 3 or higher on the Calculus AB or BC Advanced Placement Exam;
• Score of 3 or higher on the Advanced Placement Statistics Exam;
• Transcript or grade report which shows an equivalent prerequisite math course from another college, with a grade of "C" or higher;
• Qualifying raw score report from an MDTP math test taken at another college;
• EAP math status of “Standard Exceeded." Note: ‘conditional’ status is not accepted;
• Begin at the Math 1, Basic Math level (students must notify a counselor, or Assessment staff if this option is elected).

6. Counseling/Advisement

Advising/Academic 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. Advising is also strongly recommended for returning students and students transferring to SBCC from another college. Academic Advising/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 Pipeline account prior to meeting with a counselor. Alternatively, you may bring unofficial copies to the advising session.

7. Register in Classes

Following Assessment, Orientation and Advising, 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—Pipeline. No appointment is required during open registration.

During the first two weeks of the semester (first week in Summer) (see each course reference number at www.sbcc.edu/classes (http://www.sbcc.edu/classes) for deadlines), students may make changes and/or add courses to their schedule with permission from the instructor.

Late Registration

Once a class closes or the registration period concludes, classes may only be added by obtaining permission 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 by clicking on the CRN from the semester web 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. 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 at (SS-210) or go to www.sbcc.edu/financialaid (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, go to www.sbcc.edu/housing (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, go to www.sbcc.edu/commute (http://www.sbcc.edu/commute).

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 at www.sbccbooks.com (http://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.

For detailed information regarding the steps to enrollment for SBCC Noncredit Educational Programs, visit www.sbcc.edu/apply (http://www.sbcc.edu/apply). These processes were still under development at the time of Catalog publication.

Noncredit Course Registration
Online registration for Noncredit Educational Programs is available approximately two weeks to one month before classes start. Class registration is on a first-come, first-served basis, and no visitors or auditors are allowed. If a class is full, students are encouraged to show up to the first class meeting in case of no-shows. A student who does not attend the first meeting of a class may be dropped. If any seats are unclaimed on the first day of a class, walk-in students may then register.

Late Adds
A student may enroll in a class after it has begun if:
1. space is available,
2. the instructor permits the late enrollment and
3. the student completes the online application for admission and full registration procedure.

See your instructor.

Dropping a Class
Students who decide not to attend class must drop themselves from the class. To drop, log on to http://pipeline.sbcc.edu, select “Registration” and then select “Register, Add or Drop Classes.” Follow the instructions on the Add/Drop Classes page for dropping a class.
FEES AND REFUNDS

Students are encouraged to pay fees at time of registration. Payment must be received within seven (7) calendar days of registration or you may be dropped for non-payment. 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 go to www.sbcc.edu/financialaid (http://www.sbcc.edu/financialaid) before registering for classes. All fees are subject to change without notice.

Non-Resident Tuition
Tuition for out-of-state and international students is $285 per unit. International Students may be required to pay additional fees. Go to www.sbcc.edu/international (http://www.sbcc.edu/international) for more information.

Student Enrollment Fee
Santa Barbara City College charges a required enrollment fee of $46 per unit. The State of California, through its Board of Financial Assistance Program, has provided fee credits, fee waivers, or special Board of Governors waivers to help defray the cost of the Student Enrollment Fee. Information regarding fee credits, fee waivers, or Board of Governors waivers should be obtained from the Financial Aid Office, Room SS-210, several days before a student enrolls in classes.

Tuition/Enrollment Fee Refund
Both tuition and the enrollment fees will be refunded by course deadlines. Check your Schedule/Bill for deadline dates. Refunds are not automatic. For additional information on refunds, go to www.sbcc.edu/fiscalservices/cashier (http://www.sbcc.edu/fiscalservices/cashier). A $10 per semester processing charge will be deducted from enrollment fee refunds. (This charge does not apply to classes cancelled by the college.)

If classes are dropped after the first two weeks of the semester, the following fees are not eligible for a refund: Health Services, Student Representation, Transportation and Student Activity. Parking Permits must be returned intact to the Cashier’s Office (SS-150) prior to the first days of the session for a refund.

Health Services Fee
All students pay a required health services fee of $20 per Fall and Spring semester and $17 per Summer Session.

Parking Fees
Any student who intends to park a vehicle on campus must register his/her vehicle and purchase a parking permit. Parking permits are not required for mopeds and motorcycles. Permits should be purchased online through Pipeline at a discounted rate. Prices includes shipping, handling, postage and applicable credit card processing fees.

Fall and Spring Semester All Day/Evening permits are $33.40 per semester. Board of Governors Grant Waiver students are eligible for a reduced All Day/Evening permit of $23.40 per semester. Evening-Only permits are $18.40 per semester. Permits for Summer Sessions are $18.40. 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 are not replaced. Purchasing a parking permit does not guarantee a parking space.

Purchasing permits may be purchased online at http://pipeline.sbcc.edu.

Student Transportation Fee
All students 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; $61.00 for students enrolled in fewer than 6 units for Fall and Spring; and $14.00 for Summer Session. The Student Transportation Fee entitles a student to unlimited use of local community bus service. Your SBCC I.D. card with the current semester sticker is your pass. Fall Semester passes are valid 7 days prior to the start date of fall classes until 7 days before the start of spring classes. Spring Semester passes are valid 7 days prior to the start of Spring classes until the last day of final examinations for spring. Summer passes are valid 7 days prior to the start of the Summer Session until the last day of final examinations for the session. Students enrolling only in distance learning or off-campus classes are exempt from paying the Transportation Fee. The fee is refundable to students who withdraw from all classes prior to the first day of the semester, provided the student photo I.D. card is returned.

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. In laboratory courses, students are charged for the actual cost of items lost or broken.

Instructional Materials Fees
Students may be required to provide instructional materials for a credit or noncredit course. Such materials shall be of continuing value to a student outside of the classroom setting. Visit the Schedule of Classes at www.sbcc.edu/classes (http://www.sbcc.edu/classes) to see which courses require instructional materials fees and see Board Policy and Administrative Procedure 5031 Instructional Materials Fees at www.sbcc.edu/policies (http://www.sbcc.edu/policies).

Student Activity Pass
Students are expected to pay a Student Activity Pass Fee at the time of registration. The fee is Fall = $5; Spring = $5; and no Summer fees. This entitles the student to free admission to numerous college events, in addition to discounts from the Bookstore and businesses in the community. A student activity sticker is affixed to the student photo I.D. card. Duplicates will not be issued for cards misplaced or stolen. The fee is only refundable to students who withdraw from all classes prior to the first day of the semester. The student photo I.D. card with activities sticker must be returned.

Student Representation Fee
The $1.00 Student Representation Fee provides support for students and/or representatives who state positions/viewpoints before city, county and district governments and before offices/agencies of state and federal governments. A refund may be requested, after registration by going to the Associate Dean, Educational Programs—Student Support Services, CC-222, with proof of payment.
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. The major categories include:

- **Grants.** These awards are based on financial need and do not require repayment. Some grant programs have lifetime limits.
- **Loans.** Such awards must be repaid after the student leaves school or drops below half-time enrollment. Most have a low rate of interest. Some features of the loan program are limited based on how long a student is pursuing a particular program of study.
- **Employment.** This type of award is based on financial need and provides the student with an opportunity to earn money for school through employment with participating Federal Work Study employers.
- **Scholarships.** These awards are based on scholastic achievement and/or financial need and/or student activity involvement. They do not require repayment.
- **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 www.sbcc.edu/financialaid (http://www.sbcc.edu/financialaid).

Where Do You Go to Apply?

Financial aid information and application forms may be obtained from Santa Barbara City College’s Financial Aid Office, Room SS-210, in the Student Services Building or go online to www.sbcc.edu/financialaid/downloadable_forms.php (http://www.sbcc.edu/financialaid/downloadable_forms.php). You may apply for federal financial aid online at www.fafsa.ed.gov (http://www.fafsa.ed.gov).

When Do You Apply?

Students should apply beginning in October 2016 for the following 2017-2018 college year. Priority for aid will be given to students who apply early. Once your financial aid requirements are satisfied, you will receive an aid offer based on your eligibility. If you apply late or complete your Financial Aid application late, your application will be treated on a "first-come, first-served" basis. If you do not qualify for financial aid or if your verification is not complete when classes start, you will be responsible for paying your tuition and fee charges.

There are various financial aid deadlines throughout the year. Check the financial aid website for a complete listing of deadlines: www.sbcc.edu/financialaid (http://www.sbcc.edu/financialaid).

Board of Governors Fee Waiver (BOGW)

California community college students are charged an enrollment fee. However, there are fee waivers available for qualified California residents and AB540 classified students through the Board of Governors Fee Waiver Program.

Students may be eligible for a Board of Governors Fee Waiver (BOGW) if:

1. 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;
2. you are qualified for and are receiving other financial aid;
3. your family’s income meets the established guidelines; or
4. you qualify under Special Classifications Enrollment Fee Waivers; see questions on the BOGW.

Applications and BOGW-related information are available in the Financial Aid Office, Room SS-210, or download the application at www.sbcc.edu/financialaid (http://www.sbcc.edu/financialaid). Go to www.sbcc.edu/financialaid/bofw.php (http://www.sbcc.edu/financialaid/bofw.php) for updates on BOGW fee waiver program beginning Fall 2016.

Pell Grants

A Pell Grant is money the U.S. federal government provides for students who need it to pay for college. It is an entitlement (awards are guaranteed if criteria are met) and Federal Pell Grants are limited to students with financial need, who have not earned their first bachelor’s degree or who are enrolled in certain post-baccalaureate programs through participating institutions.

The actual amount of your grant is determined by your estimated family contribution, the total cost of attending college and your enrollment status. Pell Grants have a lifetime limit of six years of full-time attendance.

After your application is processed, you will receive a Student Aid Report (SAR), which constitutes official notification of your expected family contribution (EFC). The lower the EFC, the higher your award will be.

Supplemental Educational Opportunity Grants (SEOG)

The SEOG is a federal grant designed for students with financial need who receive the Pell Grant. Funds are limited.

Extended Opportunity Programs and Services (EOPS)

EOPS is intended to provide special support services to students with extreme financial need and a history of being economically and educationally disadvantaged. To be eligible for EOPS, a student must:

- Be a California resident or AB540 eligible;
- Be enrolled as a full-time student (12 units or more per term);
- Have fewer than 70 units of degree-applicable college credits;
- Qualify to receive a Board of Governors Fee Waiver under either Method A or B; and
- Be educationally disadvantaged as determined by EOPS staff.

Student Loans

These loans are available to students who are enrolled at least half-time. The Federal Government may pay interest on subsidized loans during the in-school period and during the grace period following 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 is a program financed by both the Federal Government and Santa Barbara City College (or some other local nonprofit agency) and is designed to provide part-time employment for students in financial need to continue their educational training.

Whenever possible, students are assigned to work situations which further their educational growth and which also are of value to the college or off-campus agency. Students must be enrolled and be eligible for financial aid.

As with other financial aid, the Work Study award is determined by the Financial Aid Office at a limit that cannot be exceeded. Thus, if you have a $2,700 FWS award, once you earn the $2,700, regardless of the number of hours worked, you cannot continue to be employed under FWS. Funds are limited.

**Scholarships**

Scholarships are funded by gifts and endowments from private individuals, corporations, community organizations, and foundations. Scholarships are awarded based upon academic achievement, financial need, as well as other scholarship specific requirements/qualifications.

The scholarship application opens on January 1st and closes on March 2 of each year. For more information, please visit the scholarship webpage at [www.sbcc.edu/financialaid/scholarships_sbcc.php](http://www.sbcc.edu/financialaid/scholarships_sbcc.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 or award offer is designed to meet all or part of a student’s established need for financial assistance. The uniform application of packaging policies ensures that each eligible applicant will receive the most advantageous combination of financial aid monies available at the time eligibility is determined.

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 aid. The last source of funding considered in the packaging process is loan aid.

**Disbursement**

In order to receive a disbursement, a student must have a completed application/file 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.

Federal Work-Study recipients will be paid once a month.

**Student Consumer Information**

Financial aid information included here is limited. Additional information on all financial aid categories is available upon request at Santa Barbara City College's Financial Aid Office, Room SS-210. SBCC's Financial Aid Policies and Procedures are also available at [www.sbcc.edu/financialaid](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](http://www.sbcc.edu/financialaid/satisfactory_progress.php).


**Student Budgeting**

When Santa Barbara City College uses the term “student budgeting,” it refers to the amount of money necessary to complete an academic year with a modest, but adequate, standard of living. A budget does not take into consideration all of the situations in which students find themselves, and it presumes reasonable consumer choices on the student’s part.

Student budgets reflect SBCC estimates for the 2017-2018 college year. This information is available at [www.sbcc.edu/financialaid](http://www.sbcc.edu/financialaid). These guidelines will better prepare you to plan the financing of your education.

**Examples of 2017-2018 Student Budgets**

<table>
<thead>
<tr>
<th>I</th>
<th>Dependent Living at Home with Parents: 9 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration Fees</td>
<td>$1,404</td>
</tr>
<tr>
<td>Books and Supplies</td>
<td>$1,854</td>
</tr>
<tr>
<td>Room and Board</td>
<td>$5,427</td>
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<tr>
<td>Personal Expenses</td>
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<tr>
<td>Transportation</td>
<td>$1,098</td>
</tr>
<tr>
<td>Cost of Education</td>
<td>$13,059</td>
</tr>
</tbody>
</table>

1 Registration Fees are based on 14 units at $46 per unit, plus the Health Fee and Transportation Fee. Out-of-state students may base their school expenses on Budget II, plus out-of-state tuition, which is currently $285 per unit.

<table>
<thead>
<tr>
<th>II</th>
<th>Independent and Dependent Living Away from Home: 9 Months</th>
</tr>
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<tbody>
<tr>
<td>Registration Fees</td>
<td>$1,404</td>
</tr>
<tr>
<td>Books and Supplies</td>
<td>$1,854</td>
</tr>
<tr>
<td>Room and Board</td>
<td>$12,492</td>
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<tr>
<td>Personal Expenses</td>
<td>$2,916</td>
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<tr>
<td>Transportation</td>
<td>$1,242</td>
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<tr>
<td>Cost of Education</td>
<td>$19,908</td>
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</tbody>
</table>
Registration Fees are based on 14 units at $46 per unit, plus the Health Fee and Transportation Fee. Out-of-state students may base their school expenses on Budget II, plus out-of-state tuition, which is currently $285 per unit.

**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
sbcc.edu/counselingcenter (http://www.sbcc.edu/counselingcenter)
(Academic planning, degree applications, educational planning)
MTh 8-4, TW 8-6, F 8-1
Gwyer Schuyler / Kimberly Taylor
SS-120
(805) 730-4085

Counseling
Meeting with an academic counselor each semester is essential to student success. Counselors are available to new-to-college students who have completed all their steps to enrollment, new transfer students, continuing and returning students on a same-day appointment basis during our open hours. In order that we properly advise students who have attended other colleges, they must have their transcripts when they check in at the front desk of the Academic Counseling Center.

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 may wish to see a counselor according to the major they declare. The Academic Counseling Center is a valuable resource in exploring the options or defining the requirements in a particular field of study. All counselors have the expertise to assist with course selection, educational planning questions concerning requirements for majors, general education, graduation, or transfer to a four-year college or university. However, students are free to select any counselor they choose. A counselor can answer questions about a course or academic requirements and serve as a valuable resource in helping students select appropriate, as well as the best combination of courses to meet the lower division transfer requirements for specific transfer institutions. Students are encouraged to meet with a counselor on a regular basis. Counseling offices are located in the Student Services Building, (805) 730-4085.

The Student Success and Support Program (SSSP) is a process that enhances student access and sustains the efforts of students to be successful in their educational endeavors. The goals of SSSP are to ensure that all students complete their college courses, persist to the next academic term, and achieve their educational objectives. As a result, SSSP will ensure that:

- Newly matriculated students will complete an Abbreviated Educational Plan prior to completing 15 credit units.
- Once students identify their program of study, they will meet with a counselor to create a Comprehensive Educational Plan that will detail the necessary courses to reach their academic goal.
- Students are strongly encouraged to follow up with a counselor to review and/or revise their Education Plan as needed to adapt to developing education and career goals.
- Comprehensive counseling services are available to assist students in exploring career, transfer and vocational goals specific to their development.

Degrees/Certificates
With the option of over 75 degrees and 50 certificates at SBCC, a student often remains undecided on a major. Counselors are available to discuss options and give general information on each major offered. They can also provide curriculum guides, and discuss prerequisites and general career information. Referrals may be made to the Career Center, or appropriate college and/or community resources.

Online Advising

Probation/Dismissal
When a student is placed on Academic Probation/Dismissal and/or Progress Probation/Dismissal, counselors are available to counsel students on the most effective ways to achieve good academic standing. It is strongly recommended that students seek counseling as soon as possible to preserve their academic record.

Student Education Plan (SEP)
A comprehensive SEP should be developed with a 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 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 pertinent objectives.

Transfer Advising
Counselors provide transfer information, such as General Education requirements (IGETC and CSU Breadth), preparation for major courses, general admissions requirements, and information on the UC and CSU systems, as well as California independent and many out-of-state colleges and universities. With counselor guidance, students can explore options and create a plan to transfer.

Admissions & Records
www.sbcc.edu/admissions (http://www.sbcc.edu/admissions)
(Application, registration, pass/no pass, transcripts, petitions, records)
MTh 8-4, TW 8-6, F 8-1
Michael Medel
SS-110
(805) 730-4001
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
articulation.sbcc.edu (http://articulation.sbcc.edu)
M-Th 8-4, F 8-1
Laura Castro
SS-144
(805) 730-5184
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 is a computerized student transfer articulation information system that can be accessed over the World Wide Web at www.assist.org (http://www.assist.org). 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
www.sbcc.edu/assessment (http://www.sbcc.edu/assessment)
(Math, writing, reading placement exams)
M-Th 8-4, F 8-1 (Testing hours differ from office hours; visit www.sbcc.edu/assessment (http://www.sbcc.edu/assessment) for testing schedule)
Sara Volle
SS-251
(805) 730-4149

The Assessment Center is dedicated to ensuring student success by providing evaluation of mathematics and English skills. Test results, given as course placement recommendations, give the student information necessary to complete his/her educational objectives. Assessment results provide valuable information relative to course skills advisories and satisfy some course prerequisites. Usually taken at the outset of a student’s college education, assessment is part of a student success plan to move the student efficiently through the educational process.

English and mathematics placement testing is offered in a computerized testing lab four days a week during two periods a year, October—January (for Spring registration) and February—August (for Summer/Fall registration). Detailed information regarding specific test dates, test preparation materials and alternatives to testing may be found at www.sbcc.edu/assessment (http://www.sbcc.edu/assessment).

The Assessment Center is also a drop-off location for student prerequisite verification and challenge documentation. Verifications include submission of external coursework to satisfy course prerequisites. Visit sbcc.edu/teo (http://sbcc.edu/teo) for further details.

The Assessment Office is located in the Student Services Building, Room SS-251. The Computer Assessment Lab is located adjacent to the office in Room SS-250.

Athletics
www.sbcc.edu/athletics (http://www.sbcc.edu/athletics)
M-F 8-4:30
Ashley Farias
PE-301
(805) 730-4076

Santa Barbara City College is a member of the Western State Conference and the Southern California Football Association Competition and eligibility is governed by the California Community College Athletic Association Constitution and By-Laws. Intercollegiate athletic competition is offered in men’s and women’s cross-country, men’s and women’s soccer, football, women’s volleyball, women’s water polo and women’s golf in the fall.

During the winter, men’s and women’s basketball is offered. For spring, baseball, men’s golf, men’s volleyball, women’s swimming and diving, women’s softball and men’s and women’s tennis, and men’s and women’s track and field are offered.

The Athletics Department also sponsors a cheerleading program that participates during both fall and spring athletic events.

Any questions pertaining to athletic eligibility or cheerleading should be directed to the Athletics Director, (805) 730-4077, or the coach of the sport in which one decides to participate.

Campus Security
www.sbcc.edu/security (http://www.sbcc.edu/security)
(Accidents, parking, escorts, crimes, impounded bikes)
M-F 8-4:30
Erik Fricke
ECC-41
(805) 730-4064

The Campus Security Office is located in ECC-41 (adjacent to the Sports Pavilion). The office is open Monday through Friday, 8:30 a.m. to 4:30 p.m., phone (805) 730-4064. Security 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 Security 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 six full-time employees and up to 30 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 at the following websites: www.sbcc.edu/healthservices (http://www.sbcc.edu/healthservices) or www.sbrapecrisiscenter.org (http://www.sbrapecrisiscenter.org).

Campus Store
www.sbcc.edu/bookstore (http://www.sbcc.edu/bookstore)
Paul Miller
Campus Store
(805) 730-4047

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 SBCC-logoed merchandise, 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 for additional special hours.

**Career Center**

[www.sbcc.edu/careercenter](http://www.sbcc.edu/careercenter)  
(*Career counseling, assessment, job referral, re-entry adults, Work Experience*)

M-Th 8-4, TW 8-6, F 8-1  
Chris Phillips  
SS-282  
(805) 730-4131

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.

**Child Care: Orfalea Early Learning Center**

[www.sbcc.edu/kelc/](http://www.sbcc.edu/kelc/)  
(*Orfalea Early Learning Center*)

M-Th 7:30-5, F 7:30-4  
Beth Rizo  
365 Loma Alta  
(805) 965-6883

Santa Barbara City College offers full-time childcare for children ages six months to when they enter kindergarten. The center is accredited by the National Association for the Education of Young Children (NAEYC). 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 Julie Smith, ECE chair, ext. 2859.

**Computer Labs**

[www.sbcc.edu/computerresources](http://www.sbcc.edu/computerresources)  
(*Computer Commons, course-related computer applications, CAI classrooms, 1:1 computer tutoring appointments*)

M-Th 8-8, F 8-4  
Barb Freeman  
CLRC-109  
(805) 730-4466

Santa Barbara City College's main campus has approximately 1,200 computers available for students.

**Disability Services and Programs for Students (DSPS)**

[www.sbcc.edu/dsps](http://www.sbcc.edu/dsps)  
(*Disability Services and Programs for Students*)

M-Th 8-4, TW 8-6, F 8-1  
Jana Garnett  
SS-160  
(805) 730-4164

Santa Barbara City College welcomes students with disabilities. The college has established the office of Disability Services and Programs for Students to provide the following support for student success:

- Provide educational support services for students with disabilities enrolled in SBCC courses.
- Offer the assistance of six full-time disability specialists, four service providers and over 30 auxiliary aides.
- Provide services such as counseling, extended time on tests, priority registration, alternate media, assistive technology, auxiliary aides, adapted equipment and tutorial lab.
• Determine eligibility for educational accommodations or services by requiring students to present verification of disability to a DSPS disability specialist.

• Empower students with disabilities to attain maximum independence, integration, self-advocacy and self-determination.

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

• Provide reasonable educational accommodations for students with disabilities while maintaining the integrity of uniform academic standards at SBCC and the fundamental nature of college programs and services.

• Encourage the achievement of academic and vocational goals, such as degree or certificate completion, college transfer and workplace needs.

• Counsel students with disabilities to comply with the skills advisories for each course and meet prerequisites or enrollment requirements.

• Support students with disabilities in demonstrating their ability to benefit from instruction so that SBCC instructors may assign a grade that gives an accurate measure of the student’s achievement of course objectives. Inform auxiliary aides and personal service attendants to provide support in such a way as to allow instructors to observe that the student with a disability is doing his/her own work.

• 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 expects students to have a stable level of health in order to benefit from a full semester’s work. It also expects students to demonstrate the ability to take care of personal needs unassisted, or provide a personal service attendant (PSA). Personal needs include such activities as negotiating campus facilities, lifting and carrying possessions, eating, drinking, or completing personal hygiene activities. SBCC requires students to contact a DSPS disabilities specialist if they intend to bring a PSA to campus. It also expects students to comply with the Code of Student Conduct, regardless of the basis of disability. 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.

Distance Education Student Technical Support


M-Th 9-4, F 9-1

Staff

CC-225

(805) 897-3549

online@sbcc.edu

For assistance: Distance Education Student Technical Support, www.sbcc.edu/support/contact (http://www.sbcc.edu/support/contact), (805) 897-3549, online@sbcc.edu, or Campus Center (CC-225).

Hours (Pacific Time):

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

Drama and Music

The Theatre Arts and Music departments present a wide range of programs on campus and in the community during the school year. All interested students are encouraged to audition and/or participate on backstage crews for the many production and showcase opportunities produced in the Garvin and Jurkowitz theatres located in the Drama/Music Complex. For complete information on drama activities, call Katie Laris, (805) 730-4297, or Michael Gros, (805) 730-4049.

Students with musical talents are invited to join such critically acclaimed groups as the College Choir, Quire of Voyces, Symphony Orchestra, Jazz Ensembles, Concert Band and Chamber Singers.

For complete information on these groups, call the Music Department Office, (805) 730-4179, and speak with James Watson.

Employment

www.sbcc.edu/careercenter (http://www.sbcc.edu/careercenter)

(Career counseling, assessment, job referral, re-entry adults, Work Experience)

MTh 8-4, TW 8-6, F 8-1

Chris Phillips

SS-282

(805) 730-4131

The Career Center receives numerous job orders from employers in the community. The center can provide referrals for part-time or full-time jobs and internships. It also provides a website listing information on all on-campus student jobs and maintains an online job referral system. The center also sponsors job and internship 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 Services

www.sbcc.edu/enrollmentservices (http://www.sbcc.edu/enrollmentservices)

(Prospective student information, registration assistance, campus tours, college orientation)

MTh 8-4, TW 8-6, F 8-1

Vanessa Pelton

SS-111

(805) 730-4736

The Enrollment Services Department functions as the front line connection for prospective, returning and current students. Enrollment Services operates the Welcome Center that provides enrollment assistance via e-mail, phone and in-person contact. The Welcome Center is located on the first floor of the Student Services Building. The department provides access to learning opportunities that promote student enrollment and success through a variety of outreach and
orientation services: pre-admissions advising to both local and out-of-area prospective students and their families, campus tours, college fairs, application workshops, welcome tables and more. Enrollment Services also hosts a variety of events for prospective students and their families, such as Vaquero Welcome, College Night and Spring Preview Day.

**Extended Opportunity Program and Services**

*www.sbcc.edu/eops*  
(Support services for economically disadvantaged students)  
MTh 8-4, TW 8-6, F 8-1  
Paloma Arnold  
SS-240C  
(805) 730-4079

EOPS is a state-funded, comprehensive support system for qualified low-income students who are enrolled full-time (12 or more units). The goal of the program is to help students meet their educational objectives, whether they seek an occupational certificate, an Associate in Arts or Science Degree, or transfer to a four-year college.

Special EOPS services, in Room SS-240, include:

- **Admissions Assistance:** Assistance will be provided by Student Program Advisers and the EOPS Academic Counselors to EOPS students who need help with enrolling in classes.
- **Career Planning:** EOPS provides career tests for EOPS students who are enrolled in Career Planning courses.
- **Financial Aid:** Eligible EOPS students receive assistance in completing federal/state financial aid forms, and help with eligibility to receive an EOPS book grant, in combination with other types of federal and state aid.
- **Transition Assistance:** EOPS students receive counseling and assistance to help them transfer to four-year institutions of their choice. These services are coordinated with the SBCC Transfer Center. The EOPS Program actively seeks job employment information for its students to assist in the transition from college vocational programs to full-time employment in the community and state.
- **Tutoring:** Tutoring in any subject is available through the EOPS Tutorial Center or on a one-on-one basis, as needed.
- **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. By providing individualized counseling and support services (financial aid, tutorial, career exploration, transportation and child care), single parents are able to enroll as full-time students working toward a wide variety of career and personal goals.

Some major program goals for CARE are to provide incentives to individuals to minimize their welfare dependence and enhance their employability; to strengthen self-awareness and self-confidence, leading to a positive self-image; to provide career awareness and decision-making skills; and to provide work experience in meaningful employment positions, both on and off campus.

- **Guardian Scholars Program:** A support program for former foster youth and AB12 students. The program provides financial, academic and personal support for eligible students.
- **Running Start:** A six-week summer program for eligible graduating high school seniors offers college orientation, field trips and a weekly stipend. Students are eligible for priority registration, academic counseling, orientation/motivation/personal development courses and other support services.
- **S.P.A.R.C. (Single Parents Arriving Ready for College):** A six-week summer program for eligible single-parent students offers college orientation, field trips and a weekly stipend. Students are eligible for priority registration, academic counseling, orientation/motivation/personal development courses, childcare and other support services.
- **Transitions:** A six-week summer program for recently released inmates or individuals on probation or parole offers college orientation, a college success course and weekly field trips. Students are eligible for priority registration, academic counseling and other support services.

**Food Service**

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, 7:30 a.m. to closing. Excellent food and service are available at reasonable prices.

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

The School of Culinary Arts Gourmet Dining Room is located in the School of Culinary Arts Building. Seating is available from 11:30 a.m. to 12:30 p.m. for lunch and 5:30 to 7 p.m. for dinner. Lunch is served Monday through Friday, and dinner is served Thursday and Friday evenings. For reservations, call (805) 730-5173.

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. Favelas Mexican Food is located in front of the Campus Center, open Monday through Friday from 10 a.m. to 2:30 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.

**Gateway Tutoring to Student Success**

*www.sbcc.edu/gatewaysuccess*  
(Tutoring services and academic support provided for students in a Gateway class)  
M-Th 8:30-5, F 8:30-12  
Brian Moreno  
ECC-4  
(805) 730-4770

The Gateway Tutoring Program is part of the "Partnership for Student Success," an SBCC faculty-driven initiative developed to help students achieve success in their first year of college. The program was designed on the concept of triangulated instruction that builds a strong and complementary relationship between the instructor, tutor and each student participating in Gateway. All Gateway classes have a trained tutor in the classroom or the lab, working directly with the faculty member on threshold concepts in the course. The 300+ Gateway course
sections offer student-centered learning techniques and strategies in the context of specific courses and disciplines. In addition, the Gateway to Student Success Center, located on the East Campus in ECC-4, provides a tutorial center. Regular semester hours are Monday through Thursday, 8:30 a.m. to 5 p.m., and Friday, 8:30 a.m. to noon. Call Director Dr. Vandana Gavaskar, (805) 730-4473 for additional information.

**Housing**

www.sbcc.edu/housing

M-F 8:30 AM-4:30 PM

Amy Collins

CC-217

(805) 730-4062

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. This list is also available at www.sbcc.edu/housinglist. The office also provides a renters’ housing brochure, which informs students about available rentals, privately owned residence halls and rental strategies. This information is also available at www.sbcc.edu/housing. 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**

www.sbcc.edu/healthservices

MTh 8-4, T 8-6, W 9-6, F 9-1

Laura Fariss

SS-170

(805) 730-4098

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.

Voluntary medical or dental/optical insurance is available to students at a special student rate through a private insurance company. Information on these plans is available in the Student Health and Wellness Office and on the Student Health Services website, www.sbcc.edu/healthservices. 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**

www.sbcc.edu/international

M-F 8-12, 1-4

(805) 730-4040

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 have placed above the ESL level on the SBCC assessment test and who are 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 service 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**

www.sbcc.edu/careercenter

MTh 8-4, TW 8-6, F 8-1

Career Center

SS-282

(805) 730-4131

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 section of this Catalog.

**Cartwright Learning Resources Center**

www.sbcc.edu/learningresources

(805) 730-4466

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. ANTH 121, ANTH 122, and ANTH 123 are offered each semester, and all assignments are completed in the CLRC.

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 Macintosh 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.

TUT 199 Tutor Training (0.75,1 Units)
Limitations on Enrollment: Must have faculty sponsorship Two hours per week for five weeks, totaling 10 hours per semester, and 15 to 25 lab hours per semester.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 35 (10 lecture, 25 lab)
Requires faculty sponsorship of tutors so they are linked to classroom instruction. Tutors receive instruction in learning styles, communication skills, problem-solving strategies, teaching strategies, student services (to make appropriate referrals), campus policies, etc. Course is certified by the California Reading and Learning Association, which is recognized internationally. Graded Pass/No Pass.
Transfer Information: CSU Transferable

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
M-F 8-4:30
Lorraine Valenzuela
ECC-41
(805) 730-4064

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

Luria Library
http://library.sbcc.edu
(Home page)
M-Th 7:30-10, F 7:30-4:00, Sat 11-5, Sun 11-10
Elizabeth Bowman
Library 134
(805) 730-4430

The Eli Luria Library, named after our benefactor Eli Luria, was built in 1989. Embracing its slogan (Explore, Learn, Grow), the Luria Library seeks to 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. There is a collection of more than 120,000 titles, selected with faculty and student recommendations (approximately 2,000 volumes are added each year), as well as 150 print periodical subscriptions and 10 newspaper subscriptions. This collection includes 61,000 electronic books and subscriptions to 61 electronic databases, which provide access to more than 14,500 full-text periodicals. Copies of most course textbooks are available for short-term use inside the Library.

Located in the combined Library/Learning Resources Center building, the Luria Library provides seating for more than 300, in individual study carrels, as well as group study rooms and lounge areas. Group study rooms can be reserved online. There are scanners, photocopiers and black/white and color laser printers. Access to the library catalog and checkout information are available from the Library website. Checkout of library materials is accomplished with student I.D. Access to databases and other online library resources is available through the Library website from on or off campus. Books and copies of articles from periodical titles not owned are available via Interlibrary Loan.

Professional librarians are available at all open hours to aid in reference and research and to provide instruction in Library use: services are provided in-person, using instant message, or telephone.

Wi-Fi access using personal computers and other devices is provided throughout the Library. The Buzz Shack is the Library Café where students can purchase coffee drinks, juices and pastries. Extended hours are available prior to finals week each semester.

Mathematics Engineering Science Achievement (MESA)
M-F 8-4
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-228.

Newspaper: The Channels
www.thechannelsonline.com (http://www.thechannelsonline.com)
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

www.sbcc.edu/careercenter (http://www.sbcc.edu/careercenter)
(Career Center)
MTh 8-4, TW 8-6, F 8-1
Cami Vignoe
SS-282
(805) 730-3032

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.

Schedule of Classes

www.sbcc.edu/classes (http://www.sbcc.edu/classes)

The Schedule of Credit and Noncredit Classes, containing specific course offerings, information on admission/registration procedures, assessment/advising, student services and mandated compliances, is published prior to each Fall, Spring and Summer college term.

Scheinfeld Center for Entrepreneurship & Innovation

scheinfeld.sbcc.edu (http://www.scheinfeld.sbcc.edu)
M-F 9-5
Julie Samson
BC-220
(805) 892-3643

The Scheinfeld Center for Entrepreneurship & Innovation is where students from any discipline can acquire the skills, gain the tools and access the mentorship needed to start or grow a unique business. The Scheinfeld Center offers a hands-on academic program where students build their own business in a series of entrepreneurship courses. The center also offers a personalized internship program, the Enlightened Entrepreneurship Speaker Series, a regional pitch competition, and the Enterprise Launch work experience program where students develop a product or service in a single semester. The Scheinfeld Center provides free Small Business Development Center (SBDC) consulting to students and the community.
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)
www.sbcc.edu/STP or 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 at SBCC is funded by the U.S. Department of Education and has as a priority to encourage underrepresented and financially disadvantaged students to engage in STEM areas. Participation in the STEM Transfer Program provides: additional tutoring, belonging to a community of committed students that share similar transfer goals, campus trips to universities, personalized transfer success curriculum to make informed decisions about the transfer process, semester-by-semester academic planning to ensure required transfer coursework is completed in the most time-efficient manner, opportunities to participate in professional conferences in STEM areas, and assistance in exploring scholarship opportunities.


Student Health and Wellness
www.sbcc.edu/healthservices
(Health information, illness assessment, first aid, personal counseling, peer health education, insurance information)
MTh 8-4, T 8-6, W 9-6, F 9-1
Laura Fariss
SS-170
(805) 730-4098

The program promotes health education, disease prevention and healthy lifestyle choices. A registered nurse is in the office for first aid, assessment of illness conditions, referrals and health counseling during office hours. Clinician appointments are available for the diagnosis and treatment of acute care needs upon referral of an RN. Limited laboratory services and prepackaged pharmacy items as prescribed by the clinician are available at a reduced cost. Smoking cessation classes are available to support students to quit smoking. A $20 deposit is returned after completion of the 6-week cessation program.

Short-term personal counseling is provided on an appointment basis for students who are experiencing personal issues or crises which are inhibiting their academic performance. Community referrals for a variety of mental health issues are also offered.

City College Wellness Connection is a campus club whose student members provide peer health education on campus and to community youth organizations. The program promotes education through class presentations, campus events and media campaigns, and focuses on topics such as HIV/AIDS, alcohol and other drugs, stress management and eating disorders. Students interested in joining City College Connect can obtain information in the Student Health and Wellness Office.

ASAP—Alcohol and Substance Awareness Program is a confidential program to help students who are concerned about their alcohol, tobacco and/or drug use. Students receive consultation, education, individual evaluations and support. For students interested in smoking cessation, free nicotine replacement therapy (gum or patch) is available.

For further information about alcohol and drug problems, smoking addictions, HIV risks, eating disorders, sexual harassment, date rape, personal counseling, and community referrals, contact Student Health and Wellness.

Student Senate/Associated Student Government
www.sbcc.edu/studentsenate
M-F 8-4:30
Amy Collins
CC-217
(805) 730-4062

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.

Transfer Academy
www.sbcc.edu/transferacademy
MTh 8-4, TW 8-5, F 8-1
Angela Warren
SS-140
(805) 730-4347

The Transfer Academy, a program of the Transfer Center, guides students through the process and courses needed to qualify for Transfer Admission Guarantees (TAG) with UC Santa Barbara, UC Santa Cruz, UC Davis, UC Irvine, UC Merced, UC Riverside, CSU Bakersfield, CSU Channel Islands Extended University, and the following private and out-of state universities: Antioch University, Brandman University, University of the Pacific, Whittier College, Arizona State University, Historically Black Colleges and Universities, Northern Arizona University, School of the Art Institute of Chicago, Portland State University, Syracuse University, University of Arizona, Western Oregon University and American University of Paris. International students may also pursue TAGs with CSU Northridge, CSU San Marcos, and San Francisco State University.

Students must apply to the Transfer Academy in order to participate. The application will serve as a statement of intent to meet the requirements for one or more TAGs. Applications are available online at www.sbcc.edu/TAG. To be eligible for the Transfer Academy, students must have completed math and English Assessment tests/ placement, Orientation, Advising and be eligible to enroll in English 98. Students must also be enrolled in appropriate math and English courses.
every semester until the requirements for their campus of choice are completed. Note: Participation in the Transfer Academy is not required in order 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.

**Transfer Achievement Program (TAP)**

www.sbcc.edu/tap

(Underrepresented student transfer)

MTh 8-4, TW 8-5, F 8-1

Kathie Adams

SS-140

(805) 730-4347

The Transfer Achievement Program (TAP), located in the Transfer Center is a comprehensive support program designed to assist all under-represented students (including African-American, Mexican-American, Latino and American Indian) in successfully transferring to four-year colleges/universities. TAP offers individualized in-depth advising to future transfers, outreach to potential transfer students, and a variety of relevant student support programs.

The program is designed to ensure that each TAP student participates in important activities and uses valuable services related to successful transfer. Assistance is available in English classes through the Multicultural English Transfer Program (see MET description under “English”).

To join TAP, complete the online application available at [www.sbcc.edu/tap](http://www.sbcc.edu/tap), or contact the Transfer Center to arrange for a program orientation.

**Transfer Center**

www.sbcc.edu/transfercenter

(Transfer to four-year colleges/universities)

MTh 8-4, TW 8-5, F 8-1

Kathie Adams

SS-140

730-4347

The Transfer Center, located in Room SS-140, is designed to offer assistance to students with the transfer process. The center provides a variety of services, resources and programs designed to help SBCC students achieve transfer to a four-year university. Services include hosting the annual Transfer Day each Fall, transfer-related workshops, and hosting admissions representatives from the California State University and University of California institutions, as well as many independent California colleges and universities.

Two transfer-related programs are also housed in the Transfer Center. The Transfer Academy works with students who want to participate in the Transfer Admission Guarantee (TAG) programs offered by most University of California campuses, and other private and out-of-state universities. The Transfer Achievement Program (TAP) is designed to assist ethnically underrepresented, low-income, and/or first generation students who want to transfer. Students must join the programs in order to participate.

Students may also obtain additional information on Transfer Center services and programs by visiting the center in person, by calling (805) 730-4347.

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**Veterans Support and Resource Center**

www.sbcc.edu/veteranssupport

(V.A. benefits information, course/program certification)

M-Th 8-4, F 8-1

Kyle Rasmussen, ksrasmussen@pipeline.sbcc.edu

ECOC-1, Room 3

(805) 730-4003

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 5. Our comprehensive website (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 or [www.gibill.va.gov](http://www.gibill.va.gov).

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.

Volunteer Opportunities

www.sbcc.edu/careercenter (http://www.sbcc.edu/careercenter)
MTh 8-4, TW 8-6, F 8-1
Career Counselors
SS-282
(805) 730-4131

The Santa Barbara City College Career Center offers volunteer opportunities for students interested in community service, career exploration and personal growth. To receive college credit for volunteer experience, refer to the Work Experience 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 from the Dean, Student Affairs, Room SS-260.

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 Affirmative Action 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). Copies are distributed to all new students during advisement and are available at: www.sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP%205520%20Student %20Discipline.pdf (https://catalog.sbcc.edu/student-rights/ http://www.sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP %205520%20Student%20Discipline.pdf). For more information, contact the Dean, Student Affairs, Room SS-260.

**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 (Nurse, SS-170); Financial Aid Office (Financial Aid Specialist, SS-210); Veterans Office (Clerk, EOC-1, Rm. 7); SBCC Foundation (Executive Director, A-210); Extended Opportunity Program/Services (Director, SS-240); and Disabled Student Program/Services (Director, SS-160).

- SBCC may provide directory information 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 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. If a student desires a copy of file material subject to his/her review, it will be provided at a cost of $1.00 for the first copy and 50 cents for each additional copy.

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 www.sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP%205530%20Student%20Rights_Grievances.pdf or contact the Dean, Student Affairs, Room SS-260.

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 challenge any prerequisite, using the Prerequisite Challenge procedures (www.sbcc.edu/prerequisites (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 harassment, 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 Arturo Rodriguez, Dean, Student Affairs, 721 Cliff Drive, Room SS-260, Santa Barbara, CA 93109-2394. Phone (805) 730-4037.

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 Monalisa Hasson, Vice President, 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 Monalisa Hasson, Vice President, Human Resources.

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 Jana Garnett, 721 Cliff Drive, Room SS-160, Santa Barbara, CA 93109-2394, (805) 730-4164 [voice].

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

The Title IX Coordinator is Monalisa Hasson, Vice President, Human Resources, 721 Cliff Drive, Room SS-230, Santa Barbara, CA 93109-2394, (805) 730-4734.


**“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 Cacnciller 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
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 Arturo Rodriguez, Decano de Programas Educativos, en 721 Cliff Drive Oficina SS-260, Santa Barbara, CA 93109-2394, o llamando al teléfono (805) 730-4037.

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 la Vicerrectora Monalisa Hasson 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 Jana Garnett Directora de ADA/504/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 Discapacidades (Americans with Disabilities Act -ADA), o la Sección 504 de la ley de Rehabilitación (Rehabilitation Act) póngase en contacto con Monalisa Hasson, Vice President, Human Resources, 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, Vice President Monalisa Hasson, 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 Vice President Monalisa Hasson, encargada de la oficina de Recursos Humanos, en 721 Cliff Drive, Oficina SS-230, Santa Barbara, CA 93109-2394, (805) 730-4234.


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 at www.sbcc.edu (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 communicating 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 relationship 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. If the instructor chooses further disciplinary action, the instructor shall notify the student, the appropriate department chair, and Chief Student Services Officer or designee, of the incident and the penalties imposed using the “Academic Integrity Violation Form.” The Chief Student Services Officer or designee shall retain this documentation in his/her files.

In non-course activities, when a student commits a first offense, the appropriate District employee shall notify the appropriate Dean, Educational Programs, of the incident and the Chief Student Services Officer or designee of the penalties imposed using the “Academic Integrity Violation Form.”

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, the appropriate department chair, and Chief Student Services Officer or designee, of the incident and the penalties imposed using the “Academic Integrity Violation Form.”

In non-course activities, when a student commits a second or multiple offenses(s), the Assessment Technician or other appropriate staff member shall notify the appropriate Dean, Educational Programs, of the incident and the Dean shall notify the student and Chief Student Services Officer or designee of the incident and the penalties imposed using the “Academic Integrity Violation Form.”

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).

- Disciplinary 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
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 excuse 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 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. Inform Admissions & Records of changes in personal data.
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 Support Services, 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 at [www.sbcc.edu/financialaid](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.

**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 an Individual Educational Plan within the prescribed time period and to abide by the terms of that plan.
3. Participate in counseling if the student is an undecided student, is on probation, 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 course work 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 device (roller skates, roller blades, skateboards, coasters, scooters, toy vehicles, or any similar device) is 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 online at http://pipeline.sbcc.edu. 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/ 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, Subchapter 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, co-requisites 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:
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 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.

**Academic Due Process**

Procedures for due process are described in the District’s Student Rights and Grievances (AP 5530). Copies are available at www.sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP%205530%20Student%20Rights_Grievances.pdf (https://www.sbcc.edu/boardoftrustees/files/policies/chapter_5_ap/AP%205530%20Student%20Rights_Grievances.pdf) and from the Office of the Dean, Student Affairs, Room SS-260.

**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 for the complete policy.

**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 Renewal**

Courses in which students have previously received sub-standard grades and which are not reflective of a student’s demonstrated ability, may be disregarded in the computation of the SBCC grade point average when a student-initiated petition has been approved by the Scholastic Standards Committee. A student may request academic renewal for not more than two semesters of sub-standard coursework completed at SBCC (substandard coursework is defined as D+, D, D-, F or FW grades). There shall be at least 12 months between the end of the semester or summer session during which the last courses to be alleviated are completed and the date of initiation of the petition. The student must provide evidence of recent academic success demonstrated by the following:

1. 12 semester units with a 3.0 GPA, or
2. 15 semester units with a 2.5 GPA, or
3. 20 semester units with a 2.0 GPA

Students using coursework from another regionally accredited college to meet the criteria must submit an official copy their transcript(s) with the Academic Renewal Petition.

Currently enrolled SBCC students must also attach a current Student Education Plan (SEP) completed with an Academic Counselor.

A student may request academic renewal only once. When a student’s Academic Renewal Petition is approved by the Scholastic Standards Committee, the student’s record will be annotated by Admissions & Records so that it is readily evident to all users of the record that no units alleviated by academic renewal will apply toward units for graduation or other unit commitment. All work, however, will remain legible on the permanent record to insure a true and complete academic history. This policy is adopted for use at SBCC. SBCC does not guarantee that other colleges will approve our Academic Renewal policy. This determination is made by the respective transfer institution.

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

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.

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 will not apply toward financial aid nor can they be used to satisfy the 15-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. The CSU policy for AP can be found at https://www.calstate.edu/AcadAff/odedmemos/ASA-2017-13.pdf. 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 http://admission.universityofcalifornia.edu/counselors/exam-credit/ap-credits/index.html.

Refer to the Advanced Placement Chart in the articulation website for complete 2016-17 exam and credit listings: http://articulation.sbcc.edu/ap/ap.pdf.

Progress Dismissal
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 dismissal when 50% or more of the cumulative units in which he/she has 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.

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.

Readmission after Dismissal
A student placed on academic and/or progress disqualification who is dismissed may apply for readmission, 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.

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 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, access www.sbcc.edu/classes (http://www.sbcc.edu/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 (4 units in Summer)
• **Three Quarter-Time**: Carries 9 or less than 12 units (3 or less than 4 units in Summer)
• **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


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.

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. 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. A student who is working or who has a health problem should make a proportionate course load adjustment.

During Summer Session, a full-time load is four (4) units. Students may enroll in a maximum of eight (8) units for the six-week session. Students with a cumulative 3.0 grade point average (GPA) at SBCC may request to enroll in up to nine (9) units with Admissions & Records approval. Ability to enroll in excess of nine (9) 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 eight (8) 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 need to establish a realistic course load that takes into account the demands of both work and school. If you work full-time, you are advised, during your first semester, to limit your enrollment to six or seven units—or two classes. If you work 20 hours per week, as most students do, you are advised to limit your course load to 12 to 14 units. Through careful planning of workload, you can maximize your potential for performing successfully in your classes.

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

### Special Program Unit Limitations

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

<table>
<thead>
<tr>
<th>Program</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associated Student Government/Student Senate</td>
<td>5</td>
</tr>
<tr>
<td>Clubs</td>
<td>1</td>
</tr>
<tr>
<td>Varsity Athletes (Repeats do not count)</td>
<td>12</td>
</tr>
<tr>
<td>Social Security Benefits</td>
<td>12</td>
</tr>
<tr>
<td>Federal Work-Study Program</td>
<td>5</td>
</tr>
<tr>
<td>Federal Student Loans</td>
<td>6</td>
</tr>
<tr>
<td>Veterans Benefits and Financial Aid:</td>
<td></td>
</tr>
<tr>
<td>Full-Time</td>
<td>12 or more</td>
</tr>
<tr>
<td>Three-Fouths Time</td>
<td>9 to 11-1/2</td>
</tr>
<tr>
<td>Half-Time</td>
<td>6 to 8-1/2</td>
</tr>
</tbody>
</table>
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 at 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 at sbcc.edu/forms as are semester deadlines for petition submission.

Credit by Examination

Credit by examination may be granted to students who are registered and in good standing (2.0 GPA) at SBCC for proficiency in subject matter essentially equivalent to a course for which credit is being requested. Students may petition credit by examination, provided the course is listed in the catalog and the department designates the course as suitable for credit by examination. Credit may not be granted for any course for which high school or college credit has been awarded. Credits acquired by examination are not applicable to meeting of such unit load requirements as Selective Service deferment, Veteran’s or Social Security benefits, or financial aid.

The petition for credit by examination may be obtained in Admissions & Records and shall be submitted to the appropriate department chairperson. Although examinations may be written prior to the completion of 15 units, no credit shall be posted on the student’s record until after 15 units have been earned at Santa Barbara City College. A maximum of 12 units may be obtained by examination.

Students must petition for credit by examination by the end of the third week of the semester. The examination must be taken at a time determined by the instructor but shall be reported to Admissions & Records by the department chairperson no later than the last day of instruction in which credit is granted.

The nature and content of the examination shall be determined solely by faculty in the discipline who normally teach the course for which credit is to be granted in accordance with policies and procedures approved by the Curriculum Advisory Committee.

The units and grade received are used in determining the total units attempted, units earned, and grade points for the student. Credits acquired by the examination shall not be counted in determining the 15 semester hours of credit in residence required for an Associate degree. Transfer students wishing credit by examination at four-year institutions may be required to petition such institutions in conformance to their policies. A grade received in a course taken credit by examination may not be used to remove a substandard grade received in the same course. Applicable credit by examination fees are non-refundable.

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 a student finds that it is impossible to avoid three finals in one day, and the student cannot obtain an accommodation from his/her instructor(s), the student may submit a written request for an adjustment in his/her final exam schedule to the Executive Vice President, Educational Programs, Room A-112.

Absence from a final due to an illness may be accommodated at the discretion of the instructor. The student should attempt to contact his/her 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 Pipeline (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.

Grades and Grade Points

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

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Definition</th>
<th>Grade Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>Excellent</td>
<td>4.0</td>
</tr>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
</tr>
<tr>
<td>A-</td>
<td>Excellent</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>Good</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
</tr>
<tr>
<td>B-</td>
<td>Good</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>Satisfactory</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2.0</td>
</tr>
<tr>
<td>D+</td>
<td>Less than satisfactory</td>
<td>1.3</td>
</tr>
<tr>
<td>D</td>
<td>Less than satisfactory</td>
<td>1.0</td>
</tr>
<tr>
<td>D-</td>
<td>Less than satisfactory</td>
<td>0.7</td>
</tr>
<tr>
<td>F</td>
<td>Failing</td>
<td>0.0</td>
</tr>
<tr>
<td>FW</td>
<td>Failing (Unauthorized Withdrawal)</td>
<td>0.0</td>
</tr>
<tr>
<td>P</td>
<td>Pass</td>
<td></td>
</tr>
<tr>
<td>NP</td>
<td>No Pass</td>
<td></td>
</tr>
<tr>
<td>SP</td>
<td>Satisfactory Progress</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td></td>
</tr>
<tr>
<td>IP</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>RD</td>
<td>Report Delayed</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>Withdrawal</td>
<td></td>
</tr>
<tr>
<td>MW</td>
<td>Military Withdrawal</td>
<td></td>
</tr>
</tbody>
</table>

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

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.

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” 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 Director 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 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.
Military Experience
A maximum of 24 credits may be granted 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 Non-Traditional 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.

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, offered and maintained by the District, shall be 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 must be submitted to Admissions & Records no later than Friday of the 5th week of the semester (Fall & Spring) and Friday of the 2nd week during summer session. (30% length of courses that are not full semester length) 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 satisfactorily 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 (quarter units = semester units / 1.5). Refer to www.sbcc.edu/transcriptevaluationpolicy (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 Evaluations 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 www.sbcc.edu/transcriptevaluationpolicy (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 at www.assist.org (http://www.assist.org) and at articulation.sbcc.edu (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 Transfer Center or Articulation Office.

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 a student must withdraw from college/classes, he/she 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, at [www.sbcc.edu/classes](http://www.sbcc.edu/classes) or from Admissions & Records. Students failing to officially withdraw by the stated deadlines will receive an evaluative grade.

Students needing to withdraw after the withdrawal deadline due to extenuating circumstances (verified cases of accidents, illnesses or other circumstances beyond the control of the student) may submit a Petition for Waiver of College Regulations ([sbcc.edu/forms](http://sbcc.edu/forms)) to the Scholastic Standards Committee for review and adjudication. Official supporting documentation is required for consideration.

**Withdrawal from Semester-Length Classes**

1. A student may initiate a withdrawal from a full semester-length class at any time 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 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 ([sbcc.edu/forms](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 at [http://articulation.sbcc.edu/ap/ap.pdf](http://articulation.sbcc.edu/ap/ap.pdf) for the most current information on Advanced Placement credit.

<table>
<thead>
<tr>
<th>Advanced Placement Exam</th>
<th>Score</th>
<th>SBCC Semester</th>
<th>SBCC GE Credit</th>
<th>Course Equivalent for SBCC’s Associate Degree or Certificate</th>
<th>Minimum CSU Transferable Semester Units Awarded</th>
<th>UC Transferable Semester Units Awarded</th>
<th>CSU GE Credit Area/s and Semester Units for CSU GE</th>
<th>IGETC Credit Area/s and Semester Units for IGETC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art History</td>
<td>3, 4, 5</td>
<td>3.0</td>
<td>C</td>
<td>ART 103 or ART 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C1 or C2 (3 units)</td>
<td>3A or 3B (3 units)</td>
</tr>
<tr>
<td>Biology</td>
<td>3, 4, 5</td>
<td>4.0</td>
<td>A</td>
<td>None</td>
<td>6.0</td>
<td>5.3</td>
<td>B2 &amp; B3 (4 units)</td>
<td>5B &amp; 5C(4 units)</td>
</tr>
<tr>
<td>Calculus AB</td>
<td>3, 4, 5</td>
<td>5.0</td>
<td>D2 &amp; E1</td>
<td>MATH 150</td>
<td>3.0 (maximum credit, one exam for all Calculus exams)</td>
<td>2.7 (5.3 units maximum for both Calculus exams)</td>
<td>B4 (3 units)</td>
<td>2A (3 units)</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>3, 4, 5</td>
<td>5.0</td>
<td>D2 &amp; E1</td>
<td>MATH 160</td>
<td>6.0 (maximum credit, one exam for all Calculus exams)</td>
<td>5.3 (5.3 units maximum for both Calculus exams)</td>
<td>B4 (3 units)</td>
<td>2A (3 units)</td>
</tr>
<tr>
<td>Calculus BC/AB Subscore</td>
<td>3, 4, 5</td>
<td>5.0</td>
<td>D2 &amp; E1</td>
<td>MATH 150</td>
<td>3.0 (maximum credit, one exam for all Calculus exams)</td>
<td>2.7 (5.3 units maximum for both Calculus exams)</td>
<td>B4 (3 units)</td>
<td>2A (3 units)</td>
</tr>
<tr>
<td>Chemistry</td>
<td>3, 4, 5</td>
<td>4.0</td>
<td>A</td>
<td>CHEM 101</td>
<td>6.0</td>
<td>5.3</td>
<td>B1 &amp; B3 (4 units, F09 &amp; after, 6 units prior to F09)</td>
<td>5A &amp; 5C (4 units)</td>
</tr>
<tr>
<td>Chinese Language and Culture</td>
<td>3</td>
<td>5.0</td>
<td>C</td>
<td>CHIN 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units)</td>
<td>3B &amp; 6A (3 units)</td>
</tr>
<tr>
<td>Chinese Language and Culture</td>
<td>4</td>
<td>5.0</td>
<td>C</td>
<td>CHIN 103</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units)</td>
<td>3B &amp; 6A (3 units)</td>
</tr>
<tr>
<td>Chinese Language and Culture</td>
<td>5</td>
<td>5.0</td>
<td>C</td>
<td>None</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units)</td>
<td>3B &amp; 6A (3 units)</td>
</tr>
<tr>
<td>Computer Science: A</td>
<td>3, 4</td>
<td>TBD</td>
<td>None</td>
<td>TBD</td>
<td>3.0 (maximum credit, one exam for both Computer Science exams. Computer Science AB no longer offered)</td>
<td>1.3 (2.7 units maximum for both Computer Science tests. Computer Science AB no longer offered)</td>
<td>None</td>
<td>None</td>
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<tr>
<td>Computer Science: A</td>
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<td>3.0</td>
<td>None</td>
<td>CS 105</td>
<td>3.0 (maximum credit, one exam for both Computer Science exams. Computer Science AB no longer offered)</td>
<td>1.3 (2.7 units maximum for both Computer Science tests. Computer Science AB no longer offered)</td>
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<td>None</td>
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<tr>
<td>Subject</td>
<td>Requirement</td>
<td>Score</td>
<td>Level</td>
<td>Course 1</td>
<td>Units</td>
<td>Score</td>
<td>Level</td>
<td>Course 2</td>
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<tr>
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</tr>
<tr>
<td>English Language and Composition</td>
<td>3, 4</td>
<td>3.0</td>
<td>D1</td>
<td>ENG 110</td>
<td>6.0</td>
<td>5.3</td>
<td>D1</td>
<td>ENG 110 &amp; ENG 111</td>
</tr>
<tr>
<td>English Language and Composition</td>
<td>5</td>
<td>6.0</td>
<td>D1 &amp; D2 or C</td>
<td>ENG 110 &amp; ENG 111</td>
<td>6.0</td>
<td>5.3</td>
<td>D1 &amp; D2 or C</td>
<td>ENG 110 &amp; ENG 111</td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>3, 4</td>
<td>3.0</td>
<td>D1</td>
<td>ENG 110</td>
<td>6.0</td>
<td>5.3</td>
<td>D1</td>
<td>ENG 110 &amp; ENG 111</td>
</tr>
<tr>
<td>English Literature and Composition</td>
<td>5</td>
<td>6.0</td>
<td>D1 &amp; D2 or C</td>
<td>ENG 110 &amp; ENG 111</td>
<td>6.0</td>
<td>5.3</td>
<td>D1 &amp; D2 or C</td>
<td>ENG 110 &amp; ENG 111</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>3, 4, 5</td>
<td>3.0</td>
<td>None</td>
<td>None</td>
<td>4.0</td>
<td>2.7</td>
<td>B1 &amp; B3</td>
<td>4.0</td>
</tr>
<tr>
<td>European History</td>
<td>3, 4, 5</td>
<td>3.0</td>
<td>B</td>
<td>HIST 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 or D6</td>
<td>3B or 4</td>
</tr>
<tr>
<td>French Language and Culture</td>
<td>3</td>
<td>5.0</td>
<td>C</td>
<td>FR 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>FR 102 &amp; after, 6 units prior to F09</td>
</tr>
<tr>
<td>French Language and Culture</td>
<td>4</td>
<td>5.0</td>
<td>C</td>
<td>FR 103</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>FR 103 &amp; after, 6 units prior to F09</td>
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<tr>
<td>French Language and Culture</td>
<td>5</td>
<td>5.0</td>
<td>C</td>
<td>FR 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>FR 104 &amp; after, 6 units prior to F09</td>
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<tr>
<td>German Language and Culture</td>
<td>3</td>
<td>5.0</td>
<td>C</td>
<td>GER 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>GER 102 &amp; after, 6 units prior to F09</td>
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<tr>
<td>German Language and Culture</td>
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<td>5.0</td>
<td>C</td>
<td>GER 103</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>GER 103 &amp; after, 6 units prior to F09</td>
</tr>
<tr>
<td>German Language and Culture</td>
<td>5</td>
<td>5.0</td>
<td>C</td>
<td>GER 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>GER 104 &amp; after, 6 units prior to F09</td>
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<tr>
<td>Government Politics: Comparative</td>
<td>3, 4, 5</td>
<td>3.0</td>
<td>B</td>
<td>POLS 121</td>
<td>3.0</td>
<td>2.7</td>
<td>D8</td>
<td>POLS 121 &amp; after, 6 units prior to F09</td>
</tr>
<tr>
<td>Government and Politics: United States</td>
<td>3, 4, 5</td>
<td>3.0</td>
<td>B &amp; E2</td>
<td>POLS 101</td>
<td>3.0</td>
<td>2.7</td>
<td>D8</td>
<td>POLS 101 &amp; after, 6 units prior to F09</td>
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<tr>
<td>Human Geography</td>
<td>3, 4, 5</td>
<td>3.0</td>
<td>B</td>
<td>GEOG 102</td>
<td>3.0</td>
<td>2.7</td>
<td>D5</td>
<td>GEOG 102 &amp; after, 6 units prior to F09</td>
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<tr>
<td>Italian Language and Culture</td>
<td>5</td>
<td>5.0</td>
<td>C</td>
<td>ITAL 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>ITAL 102 &amp; after, 6 units prior to F09</td>
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<tr>
<td>Italian Language and Culture</td>
<td>4</td>
<td>5.0</td>
<td>C</td>
<td>ITAL 103</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>ITAL 103 &amp; after, 6 units prior to F09</td>
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<tr>
<td>Italian Language and Culture</td>
<td>5</td>
<td>5.0</td>
<td>C</td>
<td>ITAL 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>ITAL 104 &amp; after, 6 units prior to F09</td>
</tr>
<tr>
<td>Japanese Language and Culture</td>
<td>3</td>
<td>5.0</td>
<td>C</td>
<td>JAPN 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2</td>
<td>JAPN 102 &amp; after, 6 units prior to F09</td>
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<td>Subject</td>
<td>Units</td>
<td>Grade</td>
<td>Course Code</td>
<td>Units</td>
<td>Grade</td>
<td>Notes</td>
<td>Units</td>
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<tr>
<td>Japanese Language and Culture</td>
<td>4</td>
<td>C</td>
<td>JAPN 103</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units)</td>
<td>3B &amp; 6A (3 units)</td>
<td></td>
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<tr>
<td>Japanese Language and Culture</td>
<td>5</td>
<td>C</td>
<td>JAPN 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units)</td>
<td>3B &amp; 6A (3 units)</td>
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<tr>
<td>Latin</td>
<td>3, 4, 5</td>
<td>C</td>
<td>LATN 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units)(^5), 3B &amp; 6A (3 units)(^5)</td>
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<tr>
<td>Macroeconomics</td>
<td>3, 4, 5</td>
<td>B</td>
<td>None</td>
<td>3.0</td>
<td>2.7</td>
<td>D2 (3 units)</td>
<td>4 (3 units)</td>
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<tr>
<td>Microeconomics</td>
<td>3, 4, 5</td>
<td>B</td>
<td>None</td>
<td>3.0</td>
<td>2.7</td>
<td>D2 (3 units)</td>
<td>4 (3 units)</td>
<td></td>
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<tr>
<td>Music Theory</td>
<td>3</td>
<td>None</td>
<td>MUS 104A</td>
<td>6.0</td>
<td>5.3</td>
<td>C1 (3 units)(^1) Must have passed test before Fall 09</td>
<td>None</td>
<td></td>
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<tr>
<td>Physics C: Electricity and Magnetism</td>
<td>3, 4, 5</td>
<td>A</td>
<td>PHYS 106</td>
<td>4.0</td>
<td>5.3</td>
<td>B1 &amp; B3 (4 GE units maximum for all Physics exams)</td>
<td>5A &amp; 5C (4 units)(^1)</td>
<td></td>
</tr>
<tr>
<td>Physics C: Mechanics</td>
<td>3, 4, 5</td>
<td>A</td>
<td>PHYS 105</td>
<td>4.0</td>
<td>5.3</td>
<td>B1 &amp; B3 (4 GE units maximum for all Physics exams)</td>
<td>5A &amp; 5C (3 units)(^1)</td>
<td></td>
</tr>
<tr>
<td>Psychology</td>
<td>3, 4, 5</td>
<td>B</td>
<td>PSY 100</td>
<td>3.0</td>
<td>2.7</td>
<td>D9 (3 units)</td>
<td>4 (3 units)</td>
<td></td>
</tr>
<tr>
<td>Seminar</td>
<td>3, 4, 5</td>
<td>TBD</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td></td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Spanish Language and Culture</td>
<td>3</td>
<td>C</td>
<td>SPAN 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units S14 &amp; after, 6 units prior to S14)</td>
<td>3B &amp; 6A (3 units)</td>
<td></td>
</tr>
<tr>
<td>Spanish Language and Culture</td>
<td>4</td>
<td>C</td>
<td>SPAN 103</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units S14 &amp; after, 6 units prior to S14)</td>
<td>3B &amp; 6A (3 units)</td>
<td></td>
</tr>
<tr>
<td>Spanish Language and Culture</td>
<td>5</td>
<td>C</td>
<td>SPAN 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units S14 &amp; after, 6 units prior to S14)</td>
<td>3B &amp; 6A (3 units)</td>
<td></td>
</tr>
<tr>
<td>Spanish Language and Culture</td>
<td>3</td>
<td>C</td>
<td>SPAN 102</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units S13 &amp; after, 6 units prior to S13)</td>
<td>3B &amp; 6A (3 units)</td>
<td></td>
</tr>
<tr>
<td>Spanish Language and Culture</td>
<td>4</td>
<td>C</td>
<td>SPAN 103</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units S13 &amp; after, 6 units prior to S13)</td>
<td>3B &amp; 6A (3 units)</td>
<td></td>
</tr>
<tr>
<td>Spanish Language and Culture</td>
<td>5</td>
<td>C</td>
<td>SPAN 104</td>
<td>6.0</td>
<td>5.3</td>
<td>C2 (3 units S13 &amp; after, 6 units prior to S13)</td>
<td>3B &amp; 6A (3 units)</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Must have passed test before Fall 09
### Statistics
3, 4, 5 | 4.0 | D2 & E1 | MATH 117 | 3.0 | 2.7 | B4 (3 units) | 2A (3 units)
---|---|---|---|---|---|---|---

### Studio Art: Drawing
3, 4, 5 | 3.0 | None | 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 | None | ART 120 or ART 140 | 3.0 | 5.3 maximum for all 3 Art Studio exams | None | None

### Studio Art: 3-D Design
3, 4, 5 | 3.0 | None | 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 & E2 | HIST 101 or HIST 102 | 6.0 | 5.3 | C2 or D6 (3 units) & AIR⁴ (US-1) | 3B or 4 (3 units)

### World History
3, 4, 5 | 3.0 | B | HIST 107 or HIST 108 | 6.0 | 5.3 | C2 or D6 (3 units) | 3B or 4 (3 units)

---

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;

**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 or AP examinations. If the student does duplicate an exam with a college course or vice versa, UC will award credit for only one.
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:

<table>
<thead>
<tr>
<th>IB Subject</th>
<th>Score</th>
<th>CSU Elective Units</th>
<th>Units for CSU GE</th>
<th>CSU GE Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Government</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>D</td>
</tr>
<tr>
<td>American Literature</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>C2</td>
</tr>
<tr>
<td>Analyzing and Interpreting Literature</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>C2</td>
</tr>
<tr>
<td>Biology</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>B2</td>
</tr>
<tr>
<td>Calculus</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>B4</td>
</tr>
<tr>
<td>Chemistry</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>B1</td>
</tr>
<tr>
<td>College Algebra</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>B4</td>
</tr>
<tr>
<td>College Algebra-Trigonometry</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>College Composition</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>College Composition-Modular</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>College Mathematics</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>English Composition (no essay)</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>English Composition (w/ essay)</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>Financial Accounting</td>
<td>50</td>
<td>3.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>French, Level I</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>French, Level II</td>
<td>59</td>
<td>9.0</td>
<td>3.0</td>
<td>C2</td>
</tr>
<tr>
<td>Freshman College Composition</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>German, Level I</td>
<td>50</td>
<td>0.0</td>
<td>0.0</td>
<td>N/A</td>
</tr>
<tr>
<td>German, Level II</td>
<td>60</td>
<td>9.0</td>
<td>3.0</td>
<td>C2</td>
</tr>
<tr>
<td>History, United States I</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>D &amp; US-1</td>
</tr>
<tr>
<td>History, United States II</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>D &amp; US-1</td>
</tr>
<tr>
<td>History, United States II I</td>
<td>50</td>
<td>3.0</td>
<td>3.0</td>
<td>D &amp; US-1</td>
</tr>
</tbody>
</table>

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.

The CSU policy for CLEP can be found at [https://www.calstate.edu/AcadAff/codedmemos/ASA-2017-13.pdf](https://www.calstate.edu/AcadAff/codedmemos/ASA-2017-13.pdf). Each campus in the California State University system determines how it will apply external examinations toward credit in the major. Contact the individual campus for more information.
Visit the articulation website at [http://articulation.sbcc.edu/ib/ib.pdf](http://articulation.sbcc.edu/ib/ib.pdf) for the most current information on International Baccalaureate credit.

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.

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 on the following IB subjects is considered a passing score by the CSU system to earn CSU elective units and CSU GE Breadth credit: Language A1 HL, Language A2 HL, 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.

<table>
<thead>
<tr>
<th>IB Subject</th>
<th>CSU Elective Units</th>
<th>UC Elective Units</th>
<th>IGETC Area</th>
<th>CSU GE Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anthropology HL</td>
<td>TBD</td>
<td>5.3</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Biology HL</td>
<td>6.0</td>
<td>5.3</td>
<td>5B (without lab)</td>
<td>B2</td>
</tr>
<tr>
<td>Business Management HL</td>
<td>TBD</td>
<td>5.3</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Chemistry</td>
<td>6.0</td>
<td>5.3</td>
<td>5A (without lab)</td>
<td>B1</td>
</tr>
<tr>
<td>Computer Science HL</td>
<td>TBD</td>
<td>5.3</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Dance HL</td>
<td>TBD</td>
<td>5.3</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Economics HL</td>
<td>6.0</td>
<td>5.3</td>
<td>4</td>
<td>D2</td>
</tr>
<tr>
<td>Film HL</td>
<td>TBD</td>
<td>5.3</td>
<td>TBD</td>
<td>TBD</td>
</tr>
<tr>
<td>Geography HL</td>
<td>6.0</td>
<td>5.3</td>
<td>4</td>
<td>D5</td>
</tr>
<tr>
<td>History (any region) HL</td>
<td>6.0</td>
<td>5.3</td>
<td>3B or 4</td>
<td>C2 or D6</td>
</tr>
<tr>
<td>Language A: Language and Literature (any language) HL</td>
<td>6.0*</td>
<td>5.3</td>
<td>3B</td>
<td>C2</td>
</tr>
<tr>
<td>Language A: Language and Literature(any language, except English) HL</td>
<td>6.0*</td>
<td>5.3</td>
<td>3B and 6A</td>
<td>C2</td>
</tr>
</tbody>
</table>

1. The CSU policy for IB can be found [https://www.calstate.edu/AcadAff/codedmemos/ASA-2017-13.pdf](https://www.calstate.edu/AcadAff/codedmemos/ASA-2017-13.pdf). Each campus in the California State University system determines how it will apply external examinations toward credit in the major. Contact the individual campus for more information.

2. The International Baccalaureate Organization (IBO) awards either a diploma or a certificate for individual IB exams. Students completing the International Baccalaureate diploma with a score of 30 or above will receive 30 quarter (20 semester) units toward their UC degree. The University of California also grants 8 quarter (5.3 semester) units for students who receive IB certificates with scores of 5, 6 or 7 on Higher Level exams. For more information about course credit awarded by the campuses, [http://admission.universityofcalifornia.edu/counselors/exam-credit/ib-credits/index.html](http://admission.universityofcalifornia.edu/counselors/exam-credit/ib-credits/index.html).

* 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.
SPECIAL INSTRUCTIONAL PROGRAMS

Professional Development Center
The Professional Development Center (PDC) provides coordination and administration for credit-based, short-term workplace training and contract education. Most courses are housed in the Professional Development Studies and Computer Applications and Office Management departments, and are delivered in half-day and one-day training formats. See Professional Development Studies and Computer Applications courses in this Catalog. Workshops focus on such topics as Customer Service, Handling Difficult Situations, Leadership, Teamwork and Microsoft Computer Applications. The PDC also coordinates ESL and Workplace Spanish with local employers. For more information about the center, contact Melissa V. Moreno, Interim Vice President, School of Extended Learning, at (805) 683-8284 or melissa.moreno@sbcc.edu.

Honors Program
SBCC has established an Honors Program emphasizing a rigorous and interdisciplinary approach to general education. The courses developed meet the needs of students whose academic goals and interests are not satisfied by regular courses. Students who enroll in the Honors curriculum will gain the opportunity to become independent learners, participate actively in the shaping of their education, and exercise their talents at the highest level of excellence of which they are capable. For further information, see the Honors section of this Catalog.

Study Abroad Program
Santa Barbara City College is committed to promoting international understanding and global responsibility. Part of that commitment is reflected through offering opportunities to study abroad in a variety of countries.

SBCC offers full semester-length programs in a number of countries. In the past, SBCC semester program participants have been able to study in France, Italy, England, Spain, Turkey, Greece, Costa Rica, China, Vietnam, Chile, Argentina and New Zealand. Courses typically include a broad range of disciplines, such as art, literature, political science, marketing, communication, film studies, as well as language courses appropriate to the countries.

Summer and winter break programs have included language studies in Spain, Mexico, France, Italy and Cuba as well as film studies and production in Italy, Thailand, Germany and Australia, photography in Cuba, France and England, communication in Australia, Germany, India and Rwanda, art history in France, marketing in England, France and Austria, as well as other disciplines and destinations. New programs are continuously being developed. Students usually study at private facilities in the host country and live with local families or in student apartments. Field trips and excursions to nearby points of interest are included in all Study Abroad programs.

The cost ranges between $9,000 and $12,000 for semester programs and is considerably less for the summer programs. Excursions, lodging and meals (for some programs) are included in the program cost. Limited scholarships, grants, loans and other financial aid are available for those students who qualify.

Additional information about these programs is available from the Study Abroad Office, located in the International Education Center, Room 1, (805) 730-2494, or www.sbcc.edu/studyabroad (http://www.sbcc.edu/studyabroad).

Classes on High School Campuses
Some courses are currently offered on local high school campuses. Contact counselors at individual high school sites for courses available, or contact the SBCC Dual Enrollment Director at (805) 898-8174.
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 at www.sbcc.edu/distanceeducation/onlinecourses.php (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 to determine whether you are ready to take an online course and to help you prepare for distance learning. You can find this at www.sbcc.edu/distanceeducation/orientation_distance_ed.php (http://www.sbcc.edu/distanceeducation/orientation_distance_ed.php).

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 virtual 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 at www.sbcc.edu/distanceeducation/onlinecourses.php (http://www.sbcc.edu/distanceeducation/onlinecourses.php) for information on each section’s attendance requirements.

Fully Online Programs

The following online degrees and certificates are available completely online:

- 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 at www.sbcc.edu/distanceeducation (http://www.sbcc.edu/distanceeducation). 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 to determine whether you are ready to take an online course. You can find this at www.sbcc.edu/distanceeducation/orientation_distance_ed.php (http://www.sbcc.edu/distanceeducation/orientation_distance_ed.php).

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) 965-0581 ext. 2949 or online@sbcc.edu and at www.sbcc.edu/support/contact/ (http://www.sbcc.edu/support/contact). Accessibility assistance for disabled students is available through Disabled Student Programs/Services (DSPS) at www.sbcc.edu/dsp (http://www.sbcc.edu/dsp). Find additional student services embedded in Moodle and Canvas, the college’s authorized learning management systems.

Additional Information

www.sbcc.edu/distanceeducation (http://www.sbcc.edu/distanceeducation)

This site includes 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. Course schedules, technical requirements and registration information can be found at www.sbcc.edu/distanceeducation/index.php (http://www.sbcc.edu/distanceeducation). For support: (805) 897-3549 or online@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 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 Kenley Neufeld, the Dean for Distance Education at neufeld@sbcc.edu. If you are unable to resolve your complaint through the dean, contact the Executive Vice President of Educational Programs.

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

2017-2018 SBCC Programs of Study
(In Alphabetical Order)

Programs of study in which an Associate in Arts (AA) Degree, Associate in Arts for Transfer (AA-T) Degree, Associate in Science (AS) Degree, Associate in Science for Transfer (AS-T), a Certificate of Achievement (C), Skills Competency Award (SCA), or a Departmental Award (D) are offered:

A
- Access SQL Professional, Skills Competency Award (SCA) (p. 174)
- Accounting Assistant/Bookkeeper, Level I, Department Award (D) (p. 109)
- Accounting Assistant/Bookkeeper, Level II, Department Award (D) (p. 109)
- Accounting Assistant/Bookkeeper, Level III, Department Award (D) (p. 110)
- Accounting Assistant/Bookkeeper, Level IV, Certificate of Achievement (C) (p. 110)
- Accounting, Associate in Science (AS) (p. 111)
- Acting, Level I, Skills Competency Award (SCA) (p. 366)
- Acting, Level II, Skills Competency Award (SCA) (p. 366)
- Acute Care (CNA), Skills Competency Award (SCA) (p. 358)
- Administration of Justice, Associate in Arts (AA): Law Enforcement Emphasis (p. 342)
- Administration of Justice, Associate in Science (AS): Criminology Emphasis (p. 342)
- Administration of Justice, Associate in Science (AS): Law Enforcement Emphasis (p. 343)
- Administration of Justice, Associate in Science (AS): Legal Studies Emphasis (p. 344)
- Administration of Justice, Associate in Science for Transfer (AS-T) (p. 344)
- Administration of Justice, Certificate of Achievement (C): Criminology Emphasis (p. 345)
- Administration of Justice, Certificate of Achievement (C): Law Enforcement Emphasis (p. 346)
- Administration of Justice, Certificate of Achievement (C): Legal Studies Emphasis (p. 347)
- Advanced Photo Design, Skills Competency Award (SCA) (p. 308)
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- Alcohol and Drug Counseling, Certificate of Achievement (C) (p. 114)
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DEGREES, CERTIFICATES AND AWARDS

Upon satisfactory completion of requirements and upon approval of the Board of Trustees students may earn the Associate in Arts Degree, Associate in Arts for Transfer Degree, Associate in Science Degree, Associate in Science for Transfer Degree, Certificate of Achievement, Skills Competency Award and Department Award.

Santa Barbara City College Associate in Arts/Science Degrees

The General Education program 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, attitudes and experiences.

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 General Education State Requirements (Areas A-D) Approved Course

1. Complete a minimum of 18 semester units (or 27 quarter units) of General Education course credits to include at least one course for a total of 3 semester units or 4 quarter units (4 semester units for Natural Science).

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 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.
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 www.sbcc.edu/apply/degrees_certificates.php (http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for 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 15 units through SBCC.

Santa Barbara City College General Education, Institutional and Information Competency Requirements

General Education State Requirements (Areas A-D)

Eighteen (18) units of General Education course credits to include at least one course from each of the following areas:

A. Natural Science with Lab
B. Social & Behavioral Science
C. Humanities
D. Language & Rationality
   1. English Composition (one course)
   2. Communication & Analytical Thinking (one course)

SBCC Institutional Requirements (Area E)

E. Includes Mathematics and 3 sub-areas.

Information Competency Requirement (Area F)

F. One unit of Information Literacy or College Research Skills.

Santa Barbara City College General Education (Areas A-D) Approved Course Listings

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). A course used to meet a requirement in one Area (A-D) cannot be used to meet any other requirement in Areas A-D.

### A. Natural Science with Lab

*(4 semester units or 4 quarter units)*

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<th>Code</th>
<th>Title</th>
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### B. Social/Behavioral Science

*(3 semester units or 4 quarter units)*

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C. Humanities

(3 semester units or 4 quarter units)

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<tr>
<td>ENG 231</td>
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<td>ENG 236</td>
<td>Sacred Literature, Eastern Texts</td>
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<td>ENG 261</td>
<td>Literature And Film</td>
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<td>ETHES 121</td>
<td>Women Of Color In The U.S.</td>
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<td>FS 107</td>
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<td>FS 115</td>
<td>The Vietnam War In Film</td>
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<td>Gender and Sexuality in Film</td>
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<td>JAPN 104</td>
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<td>Music Appreciation</td>
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<td>Music Appreciation, Honors</td>
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<td>Survey Of Music History</td>
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<td>MUS 118</td>
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<td>Middle Eastern Music, Dance and</td>
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<td>Fiction</td>
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<td>PHIL 100H</td>
<td>Introduction to Philosophy, Honors</td>
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<td>Introduction To Ethics</td>
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<td>PHIL 101H</td>
<td>Introduction To Ethics, Honors</td>
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<td>PHIL 102</td>
<td>Comparative World Religions</td>
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<td>PHIL 102H</td>
<td>Comparative World Religions, Honors</td>
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<td>PHIL 201</td>
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<td>History And Philosophy Of The Great</td>
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<td>Comparative Philosophy, East And</td>
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<td></td>
<td>West</td>
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</tbody>
</table>
D. Language and Rationality

(6 semester units or 8 quarter units. One course from D-1 and one course from D-2 required)

1. **English Composition**

   (3 semester units or 4 quarter units): Complete one of the following courses with a “C” or better or “Pass”:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ENG 110</td>
<td>Composition and Reading</td>
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<tr>
<td>or ENG 110H</td>
<td>Composition And Reading, Honors</td>
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</table>

2. **Communication and Analytical Thinking**

   (3 semester units or 4 quarter units)

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BIOL 103</td>
<td>Cell Biology</td>
<td>5.5</td>
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<tr>
<td>COMM 121</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 121H</td>
<td>Interpersonal Communication, Honors</td>
<td>3</td>
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</tbody>
</table>

**Santa Barbara City College Institutional Requirements (Area E)**

E. Complete Area E-1 and three of the four (3 of 4) sub-sections listed below (E2-E5). Courses in Area E may also be counted in Areas A-D above, where applicable.
1. **Mathematics Requirement**  
(0-5 semester units or 0-5 quarter units)  
Students must demonstrate math proficiency through an SBCC assessment math score higher than MATH 107 Intermediate Algebra or through completion of one of the following courses with a grade of "C" or better (or Pass):

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
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<tr>
<td>MATH 107</td>
<td>Intermediate Algebra</td>
<td>4</td>
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<tr>
<td>MATH 108</td>
<td>Mathematical Concepts for Elementary School Teachers-Number Systems</td>
<td>4</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Mathematics for Liberal Arts Majors</td>
<td>4</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics</td>
<td>4</td>
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<tr>
<td>MATH 117H</td>
<td>Elementary Statistics, Honors</td>
<td>4</td>
</tr>
<tr>
<td>MATH 120</td>
<td>College Algebra</td>
<td>4</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Calculus for Biological Sciences, Social Sciences and Business I</td>
<td>5</td>
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<tr>
<td>MATH 131</td>
<td>Calculus For Biological Sciences, Social Sciences And Business II</td>
<td>3</td>
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<tr>
<td>MATH 137</td>
<td>Precalculus I - College Algebra And Functions</td>
<td>5</td>
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<tr>
<td>MATH 138</td>
<td>Precalculus II - College Algebra And Trigonometry</td>
<td>4</td>
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<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
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<tr>
<td>MATH 200</td>
<td>Multivariable Calculus</td>
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<tr>
<td>MATH 210</td>
<td>Linear Algebra</td>
<td>4</td>
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<tr>
<td>MATH 220</td>
<td>Differential Equations</td>
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<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
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<tr>
<td>SOC 125</td>
<td>Introduction to Statistics in Sociology</td>
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Complete three of the four (3 of 4) subsections listed below (E2-E5).

2. **American Institutions**  
(3 semester units or 4 quarter units):

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<tbody>
<tr>
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<td>History Of The U.S. To 1877</td>
<td>3</td>
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<tr>
<td>HIST 102</td>
<td>History Of The U.S. Since 1865</td>
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<tr>
<td>HIST 102H</td>
<td>History Of The U.S. Since 1865, Honors</td>
<td>4</td>
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<tr>
<td>POLS 101</td>
<td>American Government And Politics</td>
<td>3</td>
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<tr>
<td>POLS 104</td>
<td>American Government: Policy Issues/Process</td>
<td>3</td>
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<tr>
<td>POLS 106H</td>
<td>The Presidency And American Institutions, Honors</td>
<td>3</td>
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</table>

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.

4. **Oral Communication**  
(3 semester units or 4 quarter units):

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<td>Interpersonal Communication</td>
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<tr>
<td>COMM 121H</td>
<td>Interpersonal Communication, Honors</td>
<td>3</td>
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<tr>
<td>COMM 122</td>
<td>Mediated Interpersonal Communication</td>
<td>3</td>
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<tr>
<td>COMM 131</td>
<td>Fundamentals Of Public Speaking</td>
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<tr>
<td>COMM 131H</td>
<td>Fundamentals Of Public Speaking, Honors</td>
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<tr>
<td>COMM 141</td>
<td>Small Group Communication</td>
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<tr>
<td>COMM 161</td>
<td>Communication in Organizations</td>
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<tr>
<td>COMM 162</td>
<td>Mediated Communication in Organizations</td>
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<tr>
<td>COMM 235</td>
<td>Argumentation And Debate</td>
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5. **Multicultural/Gender Studies**  
(3 semester units or 4 quarter units):

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<tbody>
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<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
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<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
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<tr>
<td>ANTH 104</td>
<td>Language and Culture</td>
<td>3</td>
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<tr>
<td>ANTH 109</td>
<td>Comparative World Cultures</td>
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<td>ANTH 110</td>
<td>Culture and Society Through Cartoons</td>
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<td>ANTH 113</td>
<td>Witchcraft, Magic, Science And Religion</td>
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<td>Cultures Around The World: Asia and the Pacific</td>
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<td>Cultures Around The World: The Americas</td>
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<td>Cultures Around The World: Africa and the Middle East</td>
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<td>History Of Asian Art</td>
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<td>History Of Women In Art</td>
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<td>Survey Of Tribal Arts</td>
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<td>Survey Of Pre-Columbian Art</td>
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<td>Survey Of Non-Western Art</td>
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<td>ART 216</td>
<td>Survey Of Islamic Art And Architecture</td>
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<td>Comparative Asian-American History, 1849-1965</td>
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<td>The African-American In U.S. History To World War II ¹</td>
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<td>The African-American In U.S. History, From Civil Rights Movement To Present ¹</td>
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<td>The African-American In U.S. History, from Civil Rights to Present, Honors</td>
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<td>BLST 103</td>
<td>African-American Culture ¹</td>
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<td>BLST 111</td>
<td>The African-American Music Experience ¹</td>
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<td>African-American And Afro-Caribbean Literature In The U.S. ¹</td>
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<td>Mexican-American (Chicano) History In The U.S. ¹</td>
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<td>The Chicano And Latino In U.S. History, From The 1960's To The Present ¹</td>
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<td>Mexican-American (Chicano) Culture ¹</td>
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<td>Introduction To Chicano/Mexican-American Literature ¹</td>
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<td>Borderlands Literature: U.S.-Mexico ¹</td>
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<td>Introduction To Mexican Literature</td>
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<td>The Chicana And Other Latina Women ¹</td>
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<td>History Of Mexican Art</td>
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<td>History Of Chicano Art ¹</td>
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<td>Leadership In a Global Society</td>
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<td>The Developing Bilingual Child</td>
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<td>Teaching in a Diverse Society</td>
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<td>The Immigrant Experience in the U.S. ¹</td>
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<td>POLS 121H</td>
<td>International Politics, Honors</td>
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</tbody>
</table>
### Santa Barbara City College Information Competency Requirement (Area F)

F. 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.

ENG 120 College Research Skills or LIBR 101 Information Literacy with a Pass (P) satisfies this requirement.

### 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 [www.sb1440.org](http://www.sb1440.org) or [www.adegreewithaguarantee.com](http://www.adegreewithaguarantee.com).

At the time of Catalog publication, a student may earn the following AA-T/AS-T degrees at SBCC: Administration of Justice for Transfer (AS-T), Anthropology for Transfer (AA-T), Art History for Transfer (AA-T), Biology for Transfer (AS-T), Business Administration (AS-T), Communication Studies for Transfer (AA-T), Early Childhood Education for Transfer (AS-T), Economics for Transfer (AA-T), Elementary Teacher Education for Transfer (AA-T), English for Transfer (AA-T), Geography for Transfer (AA-T), Geology for Transfer (AS-T), History for Transfer (AA-T), Journalism for Transfer (AA-T), Kinesiology for Transfer (AA-T), Mathematics for Transfer (AS-T), Philosophy for Transfer (AA-T), Physics for Transfer (AS-T), Political Science for Transfer (AA-T), Psychology for Transfer (AA-T), Sociology for Transfer (AA-T) Spanish for Transfer (AA-T), Studio Arts for Transfer (AA-T) and Theatre Arts for Transfer (AA-T). Additional majors are under development. For more information, refer to appropriate Catalog section and see a 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. 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 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 Note: The Physics and Geology AS-T require completion of IGETC. The CSU GE Breadth is not allowed for these degrees.
5. Candidates for an Associate Degree for Transfer are required to complete at least 20% of the department requirements through SBCC. Candidates for an Associate Degree for Transfer are also required to complete 15 units through SBCC.

### Santa Barbara City College Certificate of Achievement

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" grade in every course. Candidates for a Certificate of Achievement are expected to complete at least 20% of the

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>SPAN 132</td>
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<td>SPAN 133</td>
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<td>SPAN 136</td>
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<tr>
<td>TA 160</td>
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</tbody>
</table>

1. These courses fulfill UCSB's General Education ethnicity requirement.
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.

**Santa Barbara City College Skills Competency Award**

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). Short-term programs leading to a Skills Competency Award are available in these areas:

- Access SQL Professional
- Acting Level 1 and 2
- Acute Care CNA
- Advanced Photo Design
- Baking and Pastry
- Bookkeeping
- Business Administration, Level I and II
- Business Communications
- Certified Nursing Assistant
- Cisco Networking Associate
- Cloud Computing Specialist
- Commercial Diving
- Computer Proficiency Online
- Digital Audio Production
- Digital Cinematography
- Digital Non-Linear Editing
- Digital Visual Foundation
- Directing for Film and Video
- Documentary Filmmaking
- Emergency Medical Technician-Basic
- Entrepreneurship
- Entrepreneurship: Web Design, Level I and II
- Esthetician, Level 1 and 2
- Graphic Design Entrepreneur I and II
- Healthy Aging
- Help Desk and Desktop Support, Level 1 and 2
- Home Health Aide
- Hospitality Operations Specialist
- Human Resource Hospitality Specialist
- Independent Film Producing
- Information Design
- Information Technology Management
- Interior Design Part 1 and 2
- International Marketing Communication
- International Marketing: Fashion and Beauty
- Introduction to Teaching English as a Foreign Language
- Introductory Costume Crafts and Design
- Landscape Operations
- Mac OS X Administration
- Media Design and Development
- Microsoft Office Development
- Microsoft SQL Server Database Administration
- Microsoft Windows System Administration and Security
- Mobile Application Developer
- Mobile Device Administration
- Mobile Media Core
- Motion Graphics and Broadcast Design
- Office Assistant
- Personal Chef Training
- Photo Design and II
- Photojournalism
- Public Relations
- Sales and Marketing
- Sustainable Horticulture
- Technical Production
- Technical Writing
- Virtualization System Administration
- Web Marketing and Media Design
- Web Programming
- Web Server Administration

**Santa Barbara City College Departmental Award**

Departmental Awards are designed to provide students with needed skills in a particular area in a short period of time. Departmental Awards are not state-approved. They are offered to provide recognition of achievement in the following areas:

- Accounting Assistant/Bookkeeper, Levels I, II and III
- Bio-Medical Sciences
- Game Design
- Marine Science
- Music
- Natural History
- Theatre Arts

**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 is 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.
CAREER AND TECHNICAL EDUCATION PROGRAMS

The lack of English language skills will not be a barrier to enrollments in Career and Technical Education programs.

Posibles dificultades con el inglés no son una barrera para matricularse en programas de carreras académicas o educación técnica.

Career and Technical Education (CTE) Curricula

Santa Barbara City College offers a variety of programs and courses in career and technical education leading to Skills Competency and Departmental Award programs, Certificates of Achievement and two-year Associate in Science Degree programs. Subject areas include Business Education, Health and Human Services, Media Arts, Drafting/CAD/Interior Design, Culinary Arts and Hotel Management, Environmental Horticulture, Construction Technologies, Water Science, Computer Network Engineering and Electronics, Marine Diving Technologies and Auto Technologies. Specific award, certificate or degree programs in these occupational areas are listed in the “Programs of Study” table in this Catalog. Programs of study are offered in these areas:

**Business Education**
- Accounting
- Accounting Assistant/Bookkeeper, Levels I-IV
- Bookkeeping
- Business Administration
- Business Administration for Transfer
- Business Administration: Levels I and II
- Business Administration: Emphasis in Management
- Business Communications
- Computer Applications and Office Management
- Computer Information Systems
- Computer Proficiency Online
- Database Programming and Applications Development
- Entrepreneurship: Levels I and II
- Entrepreneurship: Web Design, Levels I and II
- Finance
- International Business
- Marketing
- Office Assistant
- Real Estate
- Sales and Marketing

**Health**
- Acute Care CNA
- Associate Degree Nursing (ADN)
- Cancer Information Management (CIM)
- Certified Nursing Assistant (CNA)
- Diagnostic Medical Sonography (DMS)
- Emergency Medical Technician (EMT)
- Health Information Technology (HIT)
- Healthy Aging
- Home Health Aide (HHA)
- Medical Coding Specialist
- Radiographic and Imaging Sciences (RT)
- Vocational Nursing (LVN)

**Human Services**
- Addictive Disorders Counseling
- Administration of Justice: Criminology
- Administration of Justice: Law Enforcement
- Administration of Justice: Legal Studies
- Administration of Justice for Transfer
- Associate Child Care Teacher
- Cosmetology
- Diversity Issues in Early Childhood Education
- Early Childhood Education
- Esthetician
- Infant/Toddler Development
- Post-professional Practice: Addictive Disorders Counseling
- School-Age Care

**Media Arts**
- Animation and Gaming
- Applied Photography
- Film Production
- Game Design
- GDP: Graphic Design Concentration
- Graphic Design Entrepreneur I and II
- Introduction to Graphic Design
- Journalism
- Media Arts
- Media Design and Development
- Mobile Media Core
- Photo Design Photojournalism
- Public Relations

**Technologies**
- Automotive Service and Technology
- Baking and Pastry
- Cisco Networking Associate
- Computer Network Engineering
- Construction Technology
- Culinary Arts
- Drafting/CAD/Interior Design
- Environmental Horticulture
- Hospitality
- Hospitality Operations Specialist
- Human Resource Hospitality Specialist
- Interior Design: Part 1 and 2
- Landscape Operations
- Marine Diving Technologies
- PC Support/Network Management
- Personal Chef Training
- Sustainable Horticulture
Specialty programs in Cooperative Education and job-site training allow students to combine classroom studies with on-the-job experiences. The main thrust of career and technical education is to provide the student with entry-level job skills for a smooth and productive transition to the workplace. Although the requirements in the majors are generally fixed, students have a wide range of courses from which to choose in meeting General Education requirements. Counselors should be consulted for variations and assistance with planning programs.

Cooperative Work Experience
Santa Barbara City College offers three types of Cooperative Work Experience—General Work Experience, International Work Experience and Career and Technical Education Work Experience:

**General Work Experience 290** assists students to acquire good work habits, attitudes and career awareness in actual job settings. Units are based on the number of hours worked throughout the semester: For paid work, 1 unit = 75 hours, 2 units = 150 hours, 3 units = 225 hours. There are no regular class meetings, but students are required to complete a number of assignments throughout the semester.

**International Work Experience** assists students to acquire desirable work habits in foreign job settings and to develop an understanding of the role of international business, the foreign country’s work habits, economy, labor laws, and cultural/political factors that affect employment.

By satisfactorily completing the International Work Experience/Internship course, a student may earn up to six units per semester. Units are based on the number of hours worked throughout the semester: For paid work, 1 unit = 75 hours, 2 units = 150 hours, and 3 units = 225. For volunteer work, 1 unit = 60 hours, 2 units = 120 hours, 3 units = 180 hours.

**Career and Technical Education Work Experience** combines on-the-job training with classroom instruction, enabling the student to acquire knowledge, skills and attitudes necessary to enter and/or progress in a chosen occupation. Class attendance in a regularly scheduled weekly coordinating class is required by some SBCC departments.

For each semester that a student is enrolled in Cooperative Work Experience, it is required that the student provide evidence of new or expanded responsibilities or learning opportunities beyond those experienced during previous employment. Satisfactory completion of specific job-oriented learning objectives is required for determining the student’s progress and improvement of performance on the job.

By satisfactorily completing a Work Experience course, a student may earn from 1-4 college units. A maximum of 16 Work Experience units may be applied as electives toward the 60 units required for an Associate in Arts or an Associate in Science Degree.

Credits are based on the number of hours worked during the semester: 1 credit = 75 paid hours or 60 volunteer hours.

Prerequisites for Career and Technical Education Work Experience Courses
The Occupational Work Experience class must be directly related to the student’s stated major and the college program in which he/she is enrolled.

**Career and Technical Education Departments Offering Work Experience**
- ADN Nursing
- Addictive Disorders Counseling
- Automotive Service and Technology
- Business Administration
- Computer Applications and Office Management
- Computer Information Systems
- Construction Technology
- Cosmetology
- Drafting/CAD
- Early Childhood Education
- Environmental Horticulture
- Graphic Design and Photography
- Interior Design
- Journalism
- Marine Diving Technologies
- Medical Imaging Sciences
- Multimedia Arts and Technologies
- School of Culinary Arts and Hotel Management
- School of Justice Studies

**Job Referral Services**
The Career Center receives numerous job orders from employers in the community and provides referrals for full- and part-time jobs and internships. It also provides a website listing information on all on-campus student jobs and maintains an online job referral system. Every spring the center sponsors an annual Job Fair that invites local employers and allows students to learn about career opportunities and to apply for job openings. Additional information about job referral is available at the Career Center, located in the Student Services Building, Room 282, or by calling (805) 730-4131.
TRANSFER CURRICULA

The 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 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 articulation.sbcc.edu.

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 articulation.sbcc.edu (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).

UC Minimum Eligibility Requirements for Transfer Admission

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.

California Residents

Students who were not eligible for admission to the university when they graduated from high school because they did not meet the Scholarship Requirement must:

1. Complete 60 semester units or 90 quarter units of UC-transferable college credit with a grade point average of at least 2.4 (no more than 14 semester/21 quarter units may be taken Pass/No Pass).
2. Complete the following course pattern requirements, earning a grade of “C” or better in each course:
   • 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.

Students who were eligible for admission to the university when they graduated from high school—meaning they satisfied the Subject, Scholarship and Examination Requirements, or were identified by the university during their senior year as Eligible in the Local Context—meet UC transfer eligibility requirements if they have a “C” (2.0) average in their transferable college coursework. Students who met the Scholarship Requirement in high school but did not satisfy the 15-course Subject Requirement must take transferable college courses in the missing subjects, earn a “C” or better in each required course and have an overall “C” (2.0) average in all transferable coursework to be eligible to transfer. Each UC campus’s ability to accept students with fewer than 60 transferable units is dependent on campus enrollment targets, which vary from term to term. See a counselor for more information.

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 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: http://admission.universityofcalifornia.edu/transfer/index.html.

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 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 a college grade point average of 2.0 or better in all transferable college units attempted.
• Are in good standing at the last college or university attended, i.e., eligible to re-enroll.
• Meet the admission requirements for a first-time freshman or have successfully completed necessary courses to make up the deficiencies you had in high school if they did not complete the 15-unit (a-g) pattern of college preparatory subjects.
• Meet the eligibility index required of a freshman.

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 a 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 meet as many of the General Education and pre-major requirements as possible. Consult with a counselor.

Upper-Division Transfer Admission Requirements (60 to 70 semester units)

You are eligible for admission with 60 or more transferable semester units (90 quarter units) if you:

• Have a college grade point average of 2.0 or better (2.4 for non-California residents) in all transferable college units attempted.
• Are in good standing at the last college or university attended, i.e., you are eligible to re-enroll.
• Have completed or will complete prior to transfer at least 30 semester units (45 quarter units) of courses equivalent to General Education requirements with a grade point average of "C" or better. The 30 units must include all of the General Education requirements in communication in the English language (English composition, oral communication and critical thinking) and at least one course of at least 3 semester units (4 quarter units) required in college-level mathematics.

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 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).

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.

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, www.sb1440.org) 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 www.adegreewithaguarantee.com (http://www.adegreewithaguarantee.com).

At the time of Catalog publication, a student may earn the following AA-T/AS-T degrees at SBCC:

• Administration of Justice for Transfer (AS-T)
• Anthropology for Transfer (AA-T)
• Art History for Transfer (AA-T)
• Biology for Transfer (AS-T)
• Business Administration for Transfer (AS-T)
• Communication Studies for Transfer (AA-T)
• Early Childhood Education for Transfer (AS-T)
• Economics for Transfer (AA-T)
• Elementary Teacher Education for Transfer (AA-T)
• Economics for Transfer (AA-T)
• English for Transfer (AA-T)
• Geography for Transfer (AA-T)
• Geology for Transfer (AS-T)
• History for Transfer (AA-T)
• Journalism for Transfer (AA-T)
• Kinesiology for Transfer (AA-T)
• Mathematics for Transfer (AS-T)
• Philosophy for Transfer (AA-T)
• Physics for Transfer (AS-T)
• Political Science for Transfer (AA-T)
• Psychology for Transfer (AA-T)
• Sociology for Transfer (AA-T)
• Spanish for Transfer (AA-T),
• Studio Arts for Transfer (AA-T)
• Theatre Arts for Transfer (AA-T)

Additional majors are under development. For more information, refer to appropriate Catalog section and see a 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 Geology AS-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 at least 20% of the department requirements through SBCC. Candidates for an Associate Degree for Transfer are also required to complete 15 units through SBCC.

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. Counselors can help students interpret or explain this information.

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
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 www.sbcc.edu/transfercenter/whichge.php to determine the appropriate general education option for their transfer goal. 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 a complete description of approved IGETC Standards, Policies and Procedures, go to http://icas-ca.org/Websites/icasca/images/IGETC%20Standards%20version%201%207%20Final%20%20doc.pdf.

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, 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 [http://admission.universityofcalifornia.edu/transfer/index.html](http://admission.universityofcalifornia.edu/transfer/index.html).

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 Considerations” at [http://admission.universityofcalifornia.edu/transfer/general-education-igetc/igetc/igetc-campus-guidance/index.html](http://admission.universityofcalifornia.edu/transfer/general-education-igetc/igetc/igetc-campus-guidance/index.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 “remit” 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 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) or [http://articulation.sbcc.edu/IGETC/IGETC.pdf](http://articulation.sbcc.edu/IGETC/IGETC.pdf) 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 a counselor. (3) **Courses taken at foreign institutions are not permitted for certification on the IGETC.**

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.** AP scores of 3, 4 or 5 can be used to satisfy any IGETC subject area 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 chart available at [http://articulation.sbcc.edu/IGETC/IGETC.pdf](http://articulation.sbcc.edu/IGETC/IGETC.pdf) for a list of approved AP scores and the corresponding IGETC area credit.

8. **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 chart available at [http://articulation.sbcc.edu/IGETC/IGETC.pdf](http://articulation.sbcc.edu/IGETC/IGETC.pdf) for a list of approved IB scores and the corresponding IGETC area credit.

9. **Can International Baccalaureate (IB) scores be applied to IGETC? Yes.** Certification of IGETC must be requested at the SBCC Transfer Center (SS140) after the student completes the IGETC requirements. Certification applications may be obtained from the Transfer Center (SS140) or at [http://articulation.sbcc.edu/IGETC/IGETCapplication.pdf](http://articulation.sbcc.edu/IGETC/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 official transcripts from other colleges to their request for IGETC certification unless they have already submitted an official copy to SBCC’s Admissions & Records Office.

10. **Is certification of IGETC completion automatic? No.** Certification of IGETC must be requested at the SBCC Transfer Center (SS140) after the student completes the IGETC requirements. Certification applications may be obtained from the Transfer Center (SS140) or at [http://articulation.sbcc.edu/IGETC/IGETCapplication.pdf](http://articulation.sbcc.edu/IGETC/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 official transcripts from other colleges to their request for IGETC certification unless they have already submitted an official copy 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.

### American History and Institutions Requirement for UCSB

UCSB is one of the UC campuses that require a college-level American History and Institutions course. Current courses at SBCC which satisfy this requirement are:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction To The Administration Of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 245</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
<tr>
<td>ART 106</td>
<td>History Of American Art</td>
<td>3</td>
</tr>
<tr>
<td>ASAM 101</td>
<td>Comparative Asian-American History, 1849-1965</td>
<td>3</td>
</tr>
<tr>
<td>ASAM 102</td>
<td>Contemporary Asian-American History</td>
<td>3</td>
</tr>
<tr>
<td>BLST 101</td>
<td>The African-American In U.S. History To World War II</td>
<td>3</td>
</tr>
</tbody>
</table>
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 3
ENG 226 American Literature 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
HIST 114 The Immigrant Experience In The U.S. 3
HIST 114H The Immigrant Experience In The U.S., Honors 4
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 106H The Presidency And American Institutions, Honors 3
POLS 151 Law And Society 3
POLS 151H Law And Society, Honors 4
SOC 107 Racism in America 3
SOC 109 Social Problems 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 (see counselor).

**Santa Barbara City College 2017-2018 IGETC Courses**

IGETC requirements for Santa Barbara City College are also available on the ASSIST website, www.assist.org (http://www.assist.org). IGETC represents approximately 35-40 units of the 60 transferable units required for UC/CSU transfer admissions.

**Area 1 – English Communication**

- CSU — 3 courses required, one from each group below.
- UC — 2 courses required, one from Group A and Group B.

**Group A: English Composition — 1 course, 3 semester units or 4-5 quarter units**

ENG 110 Composition and Reading 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 4-5 quarter units**

**Important Note:** Courses that meet Area 1B are normally not offered at institutions outside of the California Community College system.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate (Fall 10 &amp; after)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111GB</td>
<td>Critical Thinking And Composition Through Literature, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111H</td>
<td>Critical Thinking And Composition Through Literature, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111HG</td>
<td>Critical Thinking And Composition Through Literature, Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

**Select one course from the following:**

- PHIL 111 Critical Thinking And Writing In Philosophy 3
- PHIL 110 (Summer 94-Summer 98)
- ENG 112
- ENG 112HR
- PHIL 205 Introduction To Logic 3
- COMM 235 Argumentation And Debate (only if one course was completed prior to Fall 1993) 3

1 Designates courses listed in more than one area but can only be counted in one area.

**Group C: Oral Communication (CSU requirement only) — 1 course, 3 semester units or 4-5 quarter units**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 121</td>
<td>Interpersonal Communication (before Summer 93 or Fall 98 &amp; after)</td>
<td>3</td>
</tr>
<tr>
<td>COMM 121H</td>
<td>Interpersonal Communication, Honors (Spring 03 &amp; after)</td>
<td>3</td>
</tr>
<tr>
<td>COMM 122</td>
<td>Mediated Interpersonal Communication (Fall 14-Summer 17)</td>
<td>3</td>
</tr>
<tr>
<td>COMM 131</td>
<td>Fundamentals Of Public Speaking 3</td>
<td></td>
</tr>
<tr>
<td>COMM 131H</td>
<td>Fundamentals Of Public Speaking, Honors</td>
<td>3</td>
</tr>
<tr>
<td>COMM 141</td>
<td>Small Group Communication 3</td>
<td></td>
</tr>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate (Fall 10 &amp; after)</td>
<td>3</td>
</tr>
</tbody>
</table>

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 4-5 quarter units.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 108</td>
<td>Discrete Structures</td>
<td>4</td>
</tr>
<tr>
<td>CS 143 (before Fall 15)</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Mathematics for Liberal Arts Majors</td>
<td>4</td>
</tr>
<tr>
<td>MATH 116 (Fall 97-Summer 98)</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 117H</td>
<td>Elementary Statistics, Honors (Spring 92 &amp; after)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 120</td>
<td>College Algebra (Spring 95 &amp; after)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 130</td>
<td>Calculus for Biological Sciences, Social Sciences and Business I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus For Biological Sciences, Social Sciences And Business II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 137</td>
<td>Precalculus I - College Algebra And Functions</td>
<td>5</td>
</tr>
<tr>
<td>MATH 138</td>
<td>Precalculus II - College Algebra And Trigonometry</td>
<td>4</td>
</tr>
<tr>
<td>MATH 140 (before Fall 00)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 141 (before Fall 01)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus (before Fall 97 or Spring 07 &amp; after)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Linear Algebra (before Fall 96 or Spring 07 &amp; after)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Differential Equations (before Fall 96 or Spring 07 &amp; after)</td>
<td>4</td>
</tr>
<tr>
<td>MATH 250 (Spring 96-Spring 07)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 260 (Spring 96-Fall 07)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences (Spring 97 &amp; after)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Area 3 — Arts and Humanities**

3 courses, with at least 1 course from 3A: Arts & 1 course from 3B: Humanities, 9 semester units or 12-15 quarter units.

<table>
<thead>
<tr>
<th>3A: Arts Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 101</td>
<td>Visual Literacy</td>
<td>3</td>
</tr>
<tr>
<td>ART 102A</td>
<td>Early Twentieth Century Art, 1900-1945 (Fall 01 &amp; after)</td>
<td>3</td>
</tr>
<tr>
<td>ART 102B</td>
<td>Late Twentieth Century Art (Spring 02 &amp; after)</td>
<td>3</td>
</tr>
<tr>
<td>ART 103</td>
<td>History Of Art, Prehistoric To Gothic</td>
<td>3</td>
</tr>
<tr>
<td>ART 103H</td>
<td>History Of Art, Prehistoric to Gothic, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
<td>3</td>
</tr>
<tr>
<td>ART 104H</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ART 105 (before Summer 01)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 106</td>
<td>History Of American Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 107 (before Fall 12)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 108</td>
<td>History Of Asian Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 109 (before Fall 15)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
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Area 4 – Social and Behavioral Sciences
3 courses from at least 2 disciplines, 9 semester units or 12-15 quarter units.

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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, 7-9 semester units or 9-12 quarter units with 1 course from 5A: Physical Science course and 1 from 5B: Biological Science course; at least 1 must include a laboratory.

**5A: Physical Sciences**

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**Area 5A – Physical Sciences**

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<td>Organic Chemistry I</td>
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<td>and Organic Chemistry Laboratory I</td>
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<td>CHEM 212</td>
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<td>Introductory Astronomy, Honors</td>
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<td>Black Holes and the Universe</td>
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<td>Dynamic Earth - Physical Geology, Honors</td>
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<td>ERTH 113</td>
<td>Geology of National Parks (Fall 94 &amp; after)</td>
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<td>ERTH 114</td>
<td>The Geography Of California</td>
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<td>Environmental Geology (before Fall 97 or Fall 02 &amp; after)</td>
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<td>Environmental Geology and Environmental Geology Laboratory (Fall 03 &amp; after)</td>
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<td>Energy And Natural Resources (before Spring 97 or Fall 02 &amp; after)</td>
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<td>Dinosaurs (Spring 07 &amp; after)</td>
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<td>Mineralogy And Resources</td>
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<td>Weather and Climate and Weather and Climate Laboratory</td>
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<td>MUS 180/182 (before Fall 96)</td>
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<td>PHSC 103</td>
<td>The Physical Universe</td>
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<td>PHSC 107</td>
<td>Nanoscience in Society</td>
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<td>PHYS 101</td>
<td>Conceptual Physics</td>
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<td>PHYS 101H (before Fall 14)</td>
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<td>PHYS 101</td>
<td>Conceptual Physics and Conceptual Physics Laboratory</td>
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<td>Introductory Physics For Science Major</td>
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<td>PHYS 105</td>
<td>General Physics</td>
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<td>Introductory Physics</td>
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<td>PHYS 113/113L (before Fall 99)</td>
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<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
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<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
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<td>PHYS 123</td>
<td>Heat, Light and Modern Physics</td>
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<td>Laboratory Course.</td>
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</table>
Transfer Curricula

96

ZOOL 137 & ZOOL 123

ZOOL 122

ZOOL 122

ZOOL 110

PSY 110 & ENVS 111

ENVS 110

ENVS 110 & ENVS 111

PSY 110

ZOOI 110

ZOOI 122 & ZOOI 123

ZOOI 124

ZOOI 137

Transfer Curricula

Ornithology (Spring 06 & after)

Insect Biology (Fall 15 & after)

and Animal Diversity Laboratory

Animal Diversity (before Spring 03)

Animal Physiology

Psychology (Spring 92 & after)

Introduction to Physiological and Environmental Field Studies

Humans And The Biological Environment

Humans And The Biological Environment

and Environmental Field Studies

Introduction to Physiological Psychology (Spring 92 & after)

Animal Physiology

Animal Diversity (before Spring 03)

Animal Diversity

and Animal Diversity Laboratory

Insect Biology (Fall 15 & after)

Entralary (Spring 06 & after)

ZOOL 140 Animal Behavior 3

1 Designates courses listed in more than one area but can only be counted in one area.

2 Note: BOT 122 Flowering Plant Identification is a 3-unit lab science. Students MUST complete 4 units of Physical Science or an additional course in Biological Sciences to complete the units required in Area 5.

5C: Laboratory Activity

Requirement met by any lab associated with the course taken to satisfy either 5A or 5B. Laboratory courses are underlined.

Area 6 — 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. Consult with a counselor for other available options to meet this requirement.

Note: One quarter of foreign language study is not sufficient to satisfy this requirement—2 quarters minimum required.

Code Title

ASL 100

ABRC 101 Beginning Modern Standard Arabic I

CHST 117 (before Fall 06)

CHIN 101 Beginning Chinese I

FR 101 Beginning French I

GER 101 Beginning German I

HEBR 101 Beginning Modern Hebrew I

ITAL 101 Beginning Italian I

JAPN 101 Beginning Japanese I

KOR 101 Beginning Korean I

LATN 101 Beginning Latin I

RUS 101 (before Fall 97)

SPAN 101 Beginning Spanish I

SPAN 101CD (before Fall 14)

SPAN 132 Introduction to Literary Analysis

SPAN 145 (before Fall 06)

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 in more than one area.

US – 1: Historical Development of American Institutions and Ideals

Code Title

ASAM 101 Comparative Asian-American History, 1849-1965

Units

3
Certificate Requirements
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).

California State University General Education Breadth
The CSU General Education Breadth is a pattern of courses that community college students can use to satisfy lower division general/graduation requirements at any California State University (CSU) campus. Completion of these courses is not required for admission to CSU. However, students who do not complete all the lower division G.E. requirements will not be "fully certified." As a result, these students will be subject to additional G.E. requirements after transfer.

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/csu/csu_geappication.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 2016-2017 CSU General Education Breadth Courses
CSU General Education Breadth requirements for Santa Barbara City College are also available 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 can only be counted in one area.

Area A – English Language Communication and Critical Thinking
(Minimum of 9 semester units or 12-15 quarter units with 1 course from each subarea A1, A2 and A3)

A1 – Oral Communication (3 semester or 4 quarter units)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>COMM 121</td>
<td>Interpersonal Communication (Fall 98 &amp; after)</td>
<td>3</td>
</tr>
<tr>
<td>COMM 121H</td>
<td>Interpersonal Communication, Honors (Fall 03 &amp; after)</td>
<td>3</td>
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<tr>
<td>COMM 122</td>
<td>Mediated Interpersonal Communication (Fall 14-Summer 17)</td>
<td>3</td>
</tr>
<tr>
<td>COMM 131</td>
<td>Fundamentals Of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 131H</td>
<td>Fundamentals Of Public Speaking, Honors</td>
<td>3</td>
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<tr>
<td>COMM 141</td>
<td>Small Group Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 161</td>
<td>Communication in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 162</td>
<td>Mediated Communication in Organizations (Fall 14-Summer 17)</td>
<td>3</td>
</tr>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate (Fall 10 &amp; after)</td>
<td>3</td>
</tr>
</tbody>
</table>

IS 102 (Fall 14-Summer 17) 1

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.
### A2—Written Communication (3 semester or 4 quarter units)

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ENG 110</td>
<td>Composition and Reading</td>
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<td>ENG 110G</td>
<td>Composition and Reading, Honors</td>
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</tr>
<tr>
<td>ENG 110H</td>
<td>Composition And Reading, Honors</td>
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</tr>
</tbody>
</table>

### Area B — Scientific Inquiry and Quantitative Reasoning

(Minimum of 9-12 semester units or 12-15 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)

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 110</td>
<td>Natural Science</td>
<td>3</td>
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<td>BIOL 110 &amp; 111 (before Fall 12)</td>
<td>Natural Science, Honors</td>
<td>4</td>
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<tr>
<td>BIOL 110H</td>
<td>Natural Science, Honors</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 142</td>
<td>Marine Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 101</td>
<td>Introductory Chemistry</td>
<td>4</td>
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<tr>
<td>CHEM 104</td>
<td>Fundamentals Of General, Organic And Biological Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry</td>
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<tr>
<td>CHEM 156</td>
<td>General Chemistry II</td>
<td>5</td>
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<tr>
<td>CHEM 211</td>
<td>Organic Chemistry I</td>
<td>3</td>
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<td>CHEM 211 &amp; CHEM 221</td>
<td>Organic Chemistry I and Organic Chemistry Laboratory</td>
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<tr>
<td>CHEM 212</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 212 &amp; CHEM 222</td>
<td>Organic Chemistry II and Organic Chemistry Laboratory</td>
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<td>Introductory Astronomy</td>
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<tr>
<td>ERTH 101H</td>
<td>Introductory Astronomy, Honors</td>
<td>4</td>
</tr>
<tr>
<td>ERTH 101 &amp; ERTH 102</td>
<td>Introductory Astronomy and Observational Astronomy Laboratory</td>
<td>4</td>
</tr>
<tr>
<td>ERTH 101H &amp; ERTH 102</td>
<td>Introductory Astronomy, Honors and Observational Astronomy Laboratory</td>
<td>5</td>
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<td>ERTH 106</td>
<td>Black Holes and the Universe</td>
<td>3</td>
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<td>ERTH 111</td>
<td>Dynamic Earth - Physical Geology</td>
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<td>Dynamic Earth - Physical Geology, Honors</td>
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<tr>
<td>ERTH 111 &amp; 111L</td>
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### A3—Critical Thinking (3 semester or 4 quarter units)

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<tbody>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111G</td>
<td>Critical Thinking and Composition Through Literature, Honors</td>
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<td>ENG 111H</td>
<td>Critical Thinking and Composition Through Literature, Honors</td>
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<td>ENG 111H &amp; ERTH 111L</td>
<td>Critical Thinking and Composition Through Literature, Honors</td>
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### Area C — Quantitative Reasoning

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### A4—Laboratory Activity (3 semester or 4 quarter units)

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<td>Laboratory Science, Honors</td>
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<tr>
<td>BIOL 142</td>
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<td>CHEM 101</td>
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<td>CHEM 104</td>
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<td>CHEM 211</td>
<td>Laboratory Activity</td>
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<td>CHEM 211 &amp; CHEM 221</td>
<td>Laboratory Activity and Organic Chemistry Laboratory</td>
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<td>CHEM 212 &amp; CHEM 222</td>
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<td>ERTH 101H</td>
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<td>ERTH 101 &amp; ERTH 102</td>
<td>Laboratory Activity and Observational Astronomy Laboratory</td>
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### Transfer Curricula

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<td>Dynamic Earth - Physical Geology Laboratory</td>
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<td>History Of The Earth</td>
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<tr>
<td>History Of The Earth &amp; Historical Geology Laboratory</td>
<td>4</td>
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<tr>
<td>Geology of National Parks</td>
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<tr>
<td>Geology of National Parks &amp; Dynamic Earth - Physical Geology Laboratory</td>
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<tr>
<td>Geology of National Parks &amp; Historical Geology Laboratory</td>
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<tr>
<td>The Geology Of California</td>
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<td>Environmental Geology &amp; Environmental Geology Laboratory</td>
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<tr>
<td>Energy And Natural Resources</td>
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<td>Dinosaurs (Spring 07 &amp; after)</td>
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<tr>
<td>Mineralogy And Resources</td>
<td>5</td>
</tr>
<tr>
<td>Petrology And Rock-Forming Minerals</td>
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<td>Physical Geography</td>
<td>3</td>
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<td>Physical Geography &amp; Physical Geography Laboratory</td>
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<td>Introductory Physical Oceanography</td>
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<td>Introductory Physical Oceanography &amp; Historical Geology Laboratory</td>
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<td>Weather and Climate</td>
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<td>Weather and Climate &amp; Historical Geology Laboratory</td>
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<td>The Physical Universe</td>
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<td>Nanoscience in Society</td>
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1 The laboratory science courses.
### B2—Life Science (3 semester or 4 quarter units)

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### B3—Laboratory Activity

Associated with the course taken to satisfy either B1 or B2. Laboratory courses appear underlined in Areas B1 and B2.

### B4—Mathematics/Quantitative Reasoning (3 semester or 4 quarter units)

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<td>Survey Of Islamic Art And Architecture</td>
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**C2—Humanities — Literature, Philosophy, Languages Other than English**

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Area D — Social Sciences
(Minimum of 9 semester units or 12-15 quarter units with courses taken in more than one discipline)

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<td>History Of American Women</td>
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<td>HIST 110H</td>
<td>History Of American Women (Honors)</td>
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<td>HIST 111</td>
<td>The American West As Frontier And Region</td>
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<td>HIST 112</td>
<td>American Environmental History</td>
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<td>The Vietnam Wars</td>
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<td>HIST 116</td>
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<td>History Of Russia</td>
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<td>History Of Latin America: 1800'S To Modern Period</td>
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<td>HIST 150</td>
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<td>HIST 151</td>
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<td>NATA 101</td>
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<td>The Native American In 20th Century Society</td>
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<td>The Presidency And American Institutions, Honors</td>
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<td>California State And Local Politics</td>
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<td>Politics, Society And The Mass Media</td>
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<td>International Politics</td>
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<td>International Organizations: Global and Regional Governance</td>
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<td>POLS 124</td>
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<td>POLS 131</td>
<td>Comparative Politics</td>
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<td>Political Thinking</td>
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<td>Political Violence, Honors</td>
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<td>POLS 136</td>
<td>Middle East Government And Politics</td>
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<td>Law And Society</td>
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<td>Psychology Of Health And Effective Behavior (Fall 05 &amp; after)</td>
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<td>PSY 120</td>
<td>Introduction To Psychology</td>
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<td>Psychology Of Human Sexuality</td>
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<td>PSY 130</td>
<td>Personality Dynamics And Effective Behavior (Fall 13 &amp; after)</td>
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<td>PSY 135</td>
<td>Psychology Of Film</td>
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<td>Child Development</td>
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<td>PSY 145</td>
<td>Human Development</td>
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<td>PSY 170</td>
<td>Abnormal Psychology</td>
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<td>PSY 175</td>
<td>Social Psychology: Psychological Perspective</td>
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<td>PSY 200</td>
<td>Research Methods and Experimental Design in Psychology</td>
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<td>Social Problems</td>
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<td>Culture and Society Through Cartoons</td>
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<td>Sociology Of Sex and Gender (Fall 05 &amp; after)</td>
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<td>Introduction To Social Research</td>
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<td>Media, Culture and Society</td>
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<td>SPAN 136</td>
<td>Contemporary Cultures Of Central America</td>
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<td>SPAN 138</td>
<td>Contemporary Culture Of South America</td>
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<td>SS 101</td>
<td>Introduction to the Social Sciences</td>
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**Area E—Lifelong Learning and Self-Development**

(Minimum of 3 semester units or 4-5 quarter units)
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<td>ADC 124</td>
<td>Chemical Dependency and the Family (Spring 07 &amp; after)</td>
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<td>ADC 130</td>
<td>Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction (Spring 07 &amp; after)</td>
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<tr>
<td>ADC 133</td>
<td>Anger Management and Family Violence (Spring 07 &amp; after)</td>
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<td>BMS 128</td>
<td>Human Nutrition</td>
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<td>Biology Of Human Sexuality</td>
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<td>COMM 121</td>
<td>Interpersonal Communication (before Fall 06)</td>
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<td>ECE 120</td>
<td>Child Growth and Development/ Educators (Fall 05 &amp; after)</td>
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<td>HE 101</td>
<td>Personal Health Awareness</td>
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<td>HE 102</td>
<td>Personal Health for Women</td>
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<td>HE 111</td>
<td>Understanding Human Sexuality</td>
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<td>HE 201</td>
<td>Introduction to Healthy Aging</td>
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<td>HE 213</td>
<td>Concepts in Health and Physical Fitness</td>
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<td>College Success</td>
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<td>PD 110</td>
<td>Career Planning And Decision-Making</td>
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<td>PSY 145</td>
<td>Human Development</td>
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<td>Marriage, Family and Intimacy</td>
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<td>Sociology of Deviance</td>
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<tr>
<td>SOC 113</td>
<td>Sociology Of Sex and Gender</td>
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**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.*

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<td>Comparative Asian-American History, 1849-1965</td>
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<td>The African-American In U.S. History To World War II</td>
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<td>The African-American In U.S. History, From Civil Rights Movement To Present (before Fall 04)</td>
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<td>CHST 101</td>
<td>Mexican-American (Chicano) History In The U.S.</td>
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<td>The Immigrant Experience in the U.S.</td>
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<td>The Immigrant Experience in the U.S., Honors</td>
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<td>History Of The U.S. To 1877</td>
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<td>History Of The U.S. Since 1865</td>
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<td><strong>US – 2: U.S. Constitution and Government</strong></td>
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<td>American Government: Policy Issues/ Process</td>
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<td>POLS 106H</td>
<td>The Presidency And American Institutions, Honors (before Fall 04)</td>
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<td><strong>US – 3: U.S. California State and Local Government</strong></td>
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<td>POLS 101</td>
<td>American Government And Politics</td>
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<td>American Government: Policy Issues/ Process</td>
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<td>The Presidency And American Institutions, Honors (before Fall 04)</td>
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**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.

**Certificate Requirements**
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 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.
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.

Noncredit Education Offerings

Immediately following the credit department and course descriptions are the programs and course descriptions available in Noncredit Education. See pages 563-592.

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 he/she is 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 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 a counselor or the Transfer Center for specific limitations.

Departments

A

- Accounting Education (p. 109)
- Addictive Disorders Counseling (p. 113)
- Adult High School and GED (p. 117)
- Allied Health (p. 126)
- American Ethnic Studies (p. 128)
- Anthropology (p. 131)
- Art (p. 135)
- Automotive Service and Technology (p. 143)

B

- Biological Sciences (p. 146)
- Business Administration (p. 155)

C

- Chemistry (p. 162)
- Communication (p. 164)
- Computer Applications and Office Management (p. 168)
- Computer Information Systems (p. 173)
- Computer Network Engineering (p. 180)
- Computer Science (p. 183)
- Construction Technology (p. 186)
- Cosmetology (p. 188)
- Culinary Arts and Hotel Management (p. 190)

D

- Disability Services and Programs for Students (DSPS) (p. 195)
- Drafting/CAD (p. 196)

E

- Early Childhood Education (p. 199)
- Earth and Planetary Sciences (p. 205)
- Education (p. 208)
- Engineering (p. 209)
- English as a Second Language (ESL) (p. 212)
- English Skills (p. 215)
- English, Composition and Literature (p. 216)
- Environmental Horticulture (p. 221)
- Environmental Studies (p. 226)
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F
• Film and Media Studies (p. 228)
• Film and Television Production (p. 230)
• Finance, International Business and Marketing (p. 233)

G
• Geography (p. 238)
• Graphic Design and Photography (p. 242)

H
• Health Information Technology and Cancer Information (p. 247)
• History (p. 251)
• Honors (p. 256)

I
• Interdisciplinary Studies (p. 260)
• Interior Design (p. 261)

J
• Journalism (p. 265)

L
• Learning Resources Center (p. 269)
• Liberal Arts and Sciences (p. 270)
• Liberal Studies (p. 278)
• Library (p. 283)

M
• Marine Diving Technologies (p. 284)
• Mathematics (p. 288)
• Medical Imaging Sciences (p. 291)
• Multimedia Arts and Technologies (p. 295)
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P
• Personal Development (p. 303)
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• Physical Education/Health Education/Dance/Athletics (p. 311)
• Physics (p. 319)
• Political Science and Economics (p. 323)
• Professional Development Studies (p. 335)
• Psychology (p. 337)

S
• School of Justice Studies (p. 341)
• School of Modern Languages (p. 348)
• School of Nursing (p. 353)
• Sociology (p. 362)

T
• Theatre Arts (p. 365)

W
• Water Science (p. 373)
• Work Experience (p. 375)
ACCOUNTING EDUCATION

Program Description
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

Those interested in preparing for immediate employment or advancement should consider:

1. The Skills Competency Award in Bookkeeping that prepares students for working in the areas of entry-level bookkeeper (for small business, sole proprietorship) or accounting clerk (accounts payable or accounts receivable, under supervision of an accounting supervisor).
2. The Accounting Assistant/Bookkeeper Certificate that prepares students to be full-charge bookkeepers in businesses that have computerized or manual accounting systems; or
3. 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.

For more information on the department, visit [http://www.sbcc.edu/accounting/](http://www.sbcc.edu/accounting/)

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.

Program Cost and Outcome
For planning purposes, the webpage 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/Accounting%20AssistantBookkeeper.htm](http://www.sbcc.edu/financialaid/gainfulemployment/Accounting%20AssistantBookkeeper.htm)

Programs of Study

Credit Programs

- Accounting, Associate in Science (AS) (p. 111)
- Accounting Assistant/Bookkeeper, Level I, Department Award (D) (p. 109)
- Accounting Assistant/Bookkeeper, Level II, Department Award (D) (p. 109)
- Accounting Assistant/Bookkeeper, Level III, Department Award (D) (p. 110)
- Accounting Assistant/Bookkeeper, Level IV, Certificate of Achievement (C) (p. 110)
- Bookkeeping, Skills Competency Award (SCA) (p. 112)

**Accounting Assistant/Bookkeeper, Level I, Department Award (D) Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>COMP 151AB</td>
<td>Beginning Computer Keyboarding</td>
<td>3</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>18.00</td>
</tr>
</tbody>
</table>

A student must receive a “C” or better in each course. If two or more years have elapsed since ACCT 230 Financial Accounting was taken, the candidate must pass a proficiency and currency test to earn the Department Award. A minimum of 6 units must be taken at SBCC. Please note that ACCT 110 Introduction to Accounting is required for the Department Award. The course is not eligible for waiver as a result of completing ACCT 230 Financial Accounting. Satisfactory completion of Level I earns Accounting Assistant/Bookkeeper (Level I) Department Award and should enable holder to perform as an:

1. Entry-level Accounting Assistant/Bookkeeper, under supervision, for small proprietorships; or
2. Entry-level Accounting Clerk, under supervision, for medium or large proprietorships.

**Learning Outcomes**

1. 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.
2. Calculate and explain the impact of alternate generally accepted accounting principles for financial ratio analysis, and for economic analysis.

**Accounting Assistant/Bookkeeper, Level II, Department Award (D) Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 240</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>or COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>COMP 151AB</td>
<td>Beginning Computer Keyboarding</td>
<td>3</td>
</tr>
</tbody>
</table>

A student must receive a “C” or better in each course. If two or more years have elapsed since ACCT 230 Financial Accounting was taken, the candidate must pass a proficiency and currency test to earn the Department Award. A minimum of 6 units must be taken at SBCC. Please note that ACCT 110 Introduction to Accounting is required for the Department Award. The course is not eligible for waiver as a result of completing ACCT 230 Financial Accounting. Satisfactory completion of Level I earns Accounting Assistant/Bookkeeper (Level I) Department Award and should enable holder to perform as an:

1. Entry-level Accounting Assistant/Bookkeeper, under supervision, for small proprietorships; or
2. Entry-level Accounting Clerk, under supervision, for medium or large proprietorships.
A student must receive a “C” or better in each course. If two or more years have elapsed since ACCT 230 Financial Accounting was taken, the candidate must pass a proficiency and currency test to earn the Department Award. A minimum of 6 units must be taken at SBCC. Please note that ACCT 110 Introduction to Accounting is required for the Department Award. The course is not eligible for waiver as a result of completing ACCT 230 Financial Accounting.

Satisfactory completion of Level II earns Accounting Assistant/Bookkeeper (Level II) Department Award and should enable holder to perform as an:

1. Entry-level Accounting Assistant/Bookkeeper, under supervision, for small partnerships or corporations; or
2. Entry-level Accounting Clerk or Accounting Data Processor, under supervision, for medium or large proprietorships, partnerships or corporations; or

Learning Outcomes
1. 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.
2. Calculate and explain the impact of alternate generally accepted accounting principles for financial ratio analysis, and for economic analysis.
3. Use introductory managerial accounting concepts to make decisions within a business.
4. Prepare financial reports and communiqués using standard Business English.

Accounting Assistant/Bookkeeper, Level III, Department Award (D)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 150</td>
<td>Introduction to Accounting Software And Systems</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 240</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction to Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>or COMP 101</td>
<td>Introduction to Computer Applications</td>
<td></td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 151AB</td>
<td>Beginning Computer Keyboarding</td>
<td>3</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>COMP 271</td>
<td>Business Communications</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 29.00

Optional: ACCT 130 Payroll Accounting

1 Satisfactory completion of this course earns designation of “Payroll Specialist.”

A student must receive a “C” or better in each course.

A minimum of 6 units must be taken at SBCC. Please note that ACCT 110 Introduction to Accounting is required for the Department Award. The course is not eligible for waiver as a result of completing ACCT 230 Financial Accounting. Satisfactory Completion of Level III earns Accounting Assistant/Bookkeeper (Level III) Department Award. Depending on practical experience, should enable holder to perform as an:

1. Accounting Assistant/Bookkeeper, under minimum or little supervision (depending on experience), for proprietorships, small partnerships, small corporations; or
2. Accounting Clerk or Accounting Data Processor, under minimum or little supervision (depending on experience), for small proprietorships, partnerships or corporations.

Learning Outcomes
1. 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.
2. CALCULATE and EXPLAIN the impact of alternate generally accepted accounting principles for financial ratio analysis, and for economic analysis.
3. USE introductory managerial accounting concepts to make decisions within a business.
4. PREPARE financial reports and communiqués using standard Business English.
5. USE computer technology and applications to record, report, and analyze business transactions and their effects on operating, investing, and financing activities.

Accounting Assistant/Bookkeeper, Level IV, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 150</td>
<td>Introduction to Accounting Software And Systems</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 240</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction to Computers And Information Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units 37.00

Optional: ACCT 130 Payroll Accounting

1 Satisfactory completion of this course earns designation of “Payroll Specialist.”
or COMP 101 Introduction to Computer Applications

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 111</td>
<td>Microsoft Access</td>
<td>3-4</td>
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<tr>
<td>or ACCT 160</td>
<td>Accounting With Quickbooks</td>
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<tr>
<td>COMP 151AB</td>
<td>Beginning Computer Keyboarding</td>
<td>3</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>COMP 271</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 101</td>
<td>Introduction To Management</td>
<td>3</td>
</tr>
<tr>
<td>or MGMT 102</td>
<td>Leadership In Organizations</td>
<td></td>
</tr>
</tbody>
</table>

Total Units 43.00-44.00

A minimum of 6 units must be taken at SBCC. Please note that ACCT 110 Introduction to Accounting is required for the Certificate of Achievement. The course is not eligible for waiver as a result of completing ACCT 230 Financial Accounting.

ACCT 210 will also satisfy requirement. However, if two or more years have elapsed since ACCT 230 Financial Accounting (or 210) was taken, then the candidate must pass a proficiency test to earn the Certificate of Achievement.

Depending on practical experience, this Certificate should enable holder to perform as:

1. Full-Charge Bookkeeper (depending on experience) for proprietorships, small partnerships or small corporations, using manual or computerized accounting systems; or
2. Accounting Clerks Supervisor (depending on experience) or Accounting Data Processors Supervisor (depending on experience) for proprietorships, small partnerships or small corporations.

**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. USE computer technology and applications to record, report, and analyze business transactions and their effects on operating, investing, and financing activities.
4. PREPARE financial reports and communiqués using standard Business English.
5. CALCULATE and EXPLAIN the impact of alternate generally accepted accounting principles for financial ratio analysis, and for economic analysis.
6. DEFINE elementary business management concepts.

### Accounting, Associate in Science (AS)

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
</tr>
<tr>
<td>ACCT 150</td>
<td>Introduction To Accounting Software And Systems</td>
<td>4</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
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</tr>
<tr>
<td>ACCT 240</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>COMP 271</td>
<td>Business Communications</td>
<td>3</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 110</td>
<td>Composition and Reading</td>
<td>3</td>
</tr>
<tr>
<td>ENG 110H</td>
<td>Composition And Reading, Honors</td>
<td></td>
</tr>
<tr>
<td>FIN 202</td>
<td>Managerial Finance</td>
<td>3</td>
</tr>
<tr>
<td>MATH 107</td>
<td>Intermediate Algebra</td>
<td>4</td>
</tr>
</tbody>
</table>

**Controlled Electives**

Select at least 6 units from the following: 6-7

- BLAW 101 Business Law
- or BLAW 110 Legal Environment Of Business
- BUS 103 Business Mathematics
- ECON 102 Macroeconomics
- MGMT 102 Leadership In Organizations

Select at least 6 units from the following: 6-8

- ACCT 130 Payroll Accounting
- ACCT 160 Accounting With Quickbooks
- ACCT 215 Fundamentals Of Income Tax
- ACCT 280 Accounting Ethics and Leadership
- IBUS 102 Introduction to International Business
- CIS 101 Introduction To Computers And Information Systems
- ECON 106 International Economics

Total Units 52.00-55.00

1. ACCT 210 and ACCT 220 will also satisfy these requirements.
2. Any math course higher than Intermediate Algebra will also satisfy this requirement.

Note: each required course must be completed with a minimum grade of "C" or Pass.

#### Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

#### 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. Recognize the elementary business laws and the consequences of ignoring or not following legal business precepts and/or behaving unethically.

5. Use introductory level macroeconomics and microeconomics theories to estimate the domestic and global economic impact of conditions/situations on a given business organization.

6. Use computer technology and applications to record, report and analyze business transactions and their effects on operating, investing and financing activities.

7. Prepare financial reports and communiqués, using standard Business English.

8. Define elementary business management concepts.

**Bookkeeping, Skills Competency Award (SCA)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>COMP 151AB</td>
<td>Beginning Computer Keyboarding</td>
<td>3</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td><strong>13.00</strong></td>
</tr>
</tbody>
</table>

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

**Learning Outcomes**

1. Journalize basic business transactions for a sole proprietorship.
2. Complete the closing process for a sole proprietorship at the end of an accounting period.
3. Prepare the financial statements for a sole proprietorship including the income statement, statement of owner’s equity, and balance sheet.
4. Prepare a bank reconciliation.
5. Use a computer spreadsheet program for simple accounting applications.
6. Demonstrate English fundamentals such as grammar, sentence structure, punctuation, and word usage.
7. Demonstrate correct computer keyboarding techniques using word processing programs.
8. Use proper arithmetic techniques to solve business accounting problems.
ADDICTIVE DISORDERS COUNSELING

Program Description
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.

Planning a Program of Study
Students are encouraged to work with an SBCC counselor in planning a sequence of courses and learning about General Education requirements. Adjunct faculty teaching in the Addictive Disorders Counseling Program are excellent resources for exploring career options in this field. The college’s Career Center can also provide information about this type of work.

Program Cost and Outcome
For planning purposes, webpages below provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Addictive Disorders Counseling
www.sbcc.edu/financialaid/gainfulemployment/Alcohol%20and%20Drug%20Counseling.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Alcohol%20and%20Drug%20Counseling.htm)

Post-Professional Practice in Addictive Disorders Counseling
www.sbcc.edu/financialaid/gainfulemployment/Post-Professional%20Practice%20in%20Addictive%20Disorders%20Counseling.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Post-Professional%20Practice%20in%20Addictive%20Disorders%20Counseling.htm)

Programs of Study Credit Programs

- Alcohol and Drug Counseling, Associate in Arts (AA) (p. 113)
- Alcohol and Drug Counseling, Certificate of Achievement (C) (p. 114)
- Post-Professional Practice in Alcohol and Drug Counseling, Certificate of Achievement (C) (p. 115)

Alcohol and Drug Counseling, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>ADC 120</td>
<td>Alcohol and Other Drugs</td>
<td>3</td>
</tr>
<tr>
<td>ADC 121</td>
<td>Basic Interviewing And Counseling Skills</td>
<td>3</td>
</tr>
<tr>
<td>ADC 122</td>
<td>Pharmacological And Physiological Effects Of Alcohol And Other Drugs</td>
<td>3</td>
</tr>
<tr>
<td>ADC 123</td>
<td>Group Treatment</td>
<td>3</td>
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<tr>
<td>ADC 124</td>
<td>Chemical Dependency and the Family</td>
<td>1</td>
</tr>
<tr>
<td>ADC 125</td>
<td>Co-Occurring Disorders I: Recognition and Referral</td>
<td>3</td>
</tr>
<tr>
<td>ADC 126</td>
<td>Treatment And Case Management Of Chemically-Dependent Individual</td>
<td>4</td>
</tr>
<tr>
<td>ADC 152</td>
<td>Clinical Process</td>
<td>3</td>
</tr>
<tr>
<td>ADC 290</td>
<td>Work Experience in Alcohol and Drug Counseling</td>
<td>4</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>or PSY 100H General Psychology, Honors</td>
<td></td>
</tr>
</tbody>
</table>

Required Alcohol and Drug Counseling Elective Course
Select 3 units of the following:

- ADC 111 Substance Abuse and Society
- ADC 117 Motivational Interviewing
- ADC 118 Relationships in Recovery
- ADC 119 Finding Your Authentic Voice
- ADC 127 Complementary Treatment: Auricular Acupuncture, Nutrition and Amino Acid Therapy
- ADC 128 Introduction to the Twelve Steps of Alcoholics Anonymous
- ADC 129 Emotional Balance and Mindfulness in Recovery
- ADC 130 Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction
- ADC 131 Attitudes, Motivation and Behavior Change
- ADC 132 Substance Abuse and Adolescents
- ADC 133 Anger Management and Family Violence
- ADC 134 Co-Occurring Disorders II: Management and Treatment
- ADC 136 Eating Disorders I
- ADC 137 Conflict Resolution
- ADC 138 Multiple Sexual Addictions
- ADC 139 Introduction to Process Addictions
- ADC 140 Recovery Through Movement
- ADC 141 Integral Treatment Modalities

Required Behavioral Science Elective
Select one of the following:

- 3-4
# Alcohol and Drug Counseling, Certificate of Achievement (C)

### Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### Learning Outcomes

1. Implement a systematic approach to screening and assessment of individuals thought to have a substance use disorder and who are being considered for addiction-related services in a crisis situation.
2. Use a collaborative process in which professionals and the client develop a written document that identifies important treatment goals within measurable, time-sensitive action steps toward achieving those goals with expected outcomes.
3. Employ the administrative, clinical and evaluative activities that bring the client, treatment services and other resources together to focus on the issues and needs identified in the treatment plan.
4. Facilitate the client’s progress toward mutually determined treatment goals and objectives, including counseling methods that are sensitive to individual client needs and to the influence of significant others, as well as the client’s cultural and social norms.
5. Present clients, families, significant others and community groups with information on risks related to psychoactive substance use, as well as available prevention, treatment and recovery resources.
6. Record the screening and intake process, assessment, treatment plan, clinical reports and progress notes, discharge summaries and other client-related data. Adhere to the obligations of an addiction counselor within accepted ethical and behavioral standards of conduct and professional development.

### Alcohol and Drug Counseling, Certificate of Achievement (C) Requirements

#### Department Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADC 120</td>
<td>Alcohol and Other Drugs</td>
<td>3</td>
</tr>
<tr>
<td>ADC 121</td>
<td>Basic Interviewing And Counseling Skills</td>
<td>3</td>
</tr>
<tr>
<td>ADC 122</td>
<td>Pharmacological And Physiological Effects Of Alcohol And Other Drugs</td>
<td>3</td>
</tr>
<tr>
<td>ADC 123</td>
<td>Group Treatment</td>
<td>3</td>
</tr>
<tr>
<td>ADC 124</td>
<td>Chemical Dependency and the Family</td>
<td>3</td>
</tr>
<tr>
<td>ADC 125</td>
<td>Co-Occurring Disorders I: Recognition and Referral</td>
<td>3</td>
</tr>
<tr>
<td>ADC 126</td>
<td>Treatment And Case Management Of Chemically-Dependent Individual</td>
<td>4</td>
</tr>
<tr>
<td>ADC 152</td>
<td>Clinical Process</td>
<td>3</td>
</tr>
<tr>
<td>ADC 290</td>
<td>Work Experience in Alcohol and Drug Counseling</td>
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<tr>
<td>PSY 100</td>
<td>General Psychology</td>
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</tr>
<tr>
<td>or PSY 100H</td>
<td>General Psychology, Honors</td>
<td></td>
</tr>
</tbody>
</table>

#### Required Alcohol and Drug Counseling Elective Course

Select 3 units of the following:

- ADC 111 Substance Abuse and Society
- ADC 117 Motivational Interviewing
- ADC 118 Relationships in Recovery
- ADC 119 Finding Your Authentic Voice
- ADC 127 Complementary Treatment: Auricular Acupuncture, Nutrition and Amino Acid Therapy
- ADC 128 Introduction to the Twelve Steps of Alcoholics Anonymous
- ADC 129 Emotional Balance and Mindfulness in Recovery
- ADC 130 Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction

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1. Acceptable substitutions are as follows: ADC 100 will substitute for ADC 120 Alcohol and Other Drugs; ADC 101 will substitute for ADC 121 Basic Interviewing And Counseling Skills; ADC 102 will substitute for ADC 122 Pharmacological And Physiological Effects Of Alcohol And Other Drugs; ADC 107 will substitute for ADC 123 Group Treatment; 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.
2. ADC 120 Alcohol and Other Drugs and ADC 121 Basic Interviewing And Counseling Skills should be taken before other ADC counseling courses (i.e., ADC 123 Group Treatment, ADC 124 Chemical Dependency and the Family, ADC 126 Treatment And Case Management Of Chemically-Dependent Individual).
3. Acceptable substitutions are as follows: ADC 103 will substitute for ADC 130 Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction; ADC 109 will substitute for ADC 131 Attitudes, Motivation and Behavior Change; ADC 110 will substitute for ADC 132 Substance Abuse and Adolescents; ADC 113 or ADC 114 will substitute for ADC 133 Anger Management and Family Violence; and ADC 115 will substitute for ADC 134 Co-Occurring Disorders II: Management and Treatment.
ADC 131 | Attitudes, Motivation and Behavior Change 3
ADC 132 | Substance Abuse and Adolescents 3
ADC 133 | Anger Management and Family Violence 3
ADC 134 | Co-Occurring Disorders II: Management and Treatment 3
ADC 136 | Eating Disorders I
ADC 137 | Conflict Resolution
ADC 138 | Multiple Sexual Addictions
ADC 139 | Introduction to Process Addictions
ADC 140 | Recovery Through Movement
ADC 141 | Integral Treatment Modalities

**Required Behavioral Science Elective**
Choose any one of the following courses: 3-4
- PSY 130 | Personality Dynamics And Effective Behavior
- PSY 170 | Abnormal Psychology
- SOC 101 | Introduction To Sociology or SOC 101H | Introduction to Sociology, Honors
- SOC 103 | Marriage, Family and Intimacy
- SOC 104 | Social Psychology

**Total Units** 38.00-40.00

1. Implement the systematic approach to screening and assessment of individuals thought to have a substance use disorder, being considered for admission to addiction-related services, or presenting in a crisis situation.

2. Use a collaborative process in which professionals and the client develop a written document that identifies important treatment goals within measurable, time-sensitive action steps toward achieving those goals with expected outcomes.

3. Employ the administrative, clinical, and evaluative activities that bring the client, treatment services, and other resources together to focus on the issues and needs identified in the treatment plan.

4. Facilitate the client’s progress toward mutually determined treatment goals and objectives, including counseling methods that are sensitive to individual client characteristics and to the influence of significant others, as well as the client’s cultural and social context.

5. Record the screening and intake process, assessment, treatment plan, clinical reports, clinical progress notes, discharge summaries, and other client-related data.

6. Adhere to the obligations of an addiction counselor within accepted ethical and behavioral standards of conduct and professional development.

7. Present clients, families, significant others and community groups with information on risks related to psychoactive substance use, as well as available prevention, treatment and recovery resources.

### Post-Professional Practice in Alcohol and Drug Counseling, Certificate of Achievement (C)

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td><strong>Department Requirements</strong></td>
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<tr>
<td>ADC 120</td>
<td>Alcohol and Other Drugs 1</td>
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<td>ADC 122</td>
<td>Pharmacological And Physiological Effects Of Alcohol And Other Drugs 1</td>
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<td>ADC 124</td>
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<td>ADC 125</td>
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<tr>
<td>ADC 126</td>
<td>Treatment And Case Management Of Chemically-Dependent Individual 1</td>
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</tr>
</tbody>
</table>

**Total Units** 16.00

1. Acceptable substitutions are as follows: ADC 100 will substitute for ADC 120 Alcohol and Other Drugs; ADC 101 will substitute for ADC 121 Basic Interviewing And Counseling Skills; ADC 102 will substitute for ADC 122 Pharmacological And Physiological Effects Of Alcohol And Other Drugs; ADC 107 will substitute for ADC 123 Group Treatment; 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.

2. ADC 120 Alcohol and Other Drugs and ADC 121 Basic Interviewing And Counseling Skills should be taken before other ADC counseling courses (i.e., ADC 123 Group Treatment, ADC 124 Chemical Dependency and the Family, ADC 126 Treatment And Case Management Of Chemically-Dependent Individual).

3. Acceptable substitutions are as follows: ADC 103 will substitute for ADC 130 Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction; ADC 109 will substitute for ADC 131 Attitudes, Motivation and Behavior Change; ADC 110 will substitute for ADC 132 Substance Abuse and Adolescents; ADC 113 or ADC 114 will substitute for ADC 133 Anger Management and Family Violence; and ADC 115 will substitute for ADC 134 Co-Occurring Disorders II: Management and Treatment.

**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.
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).

For more information on the department, visit http://www.sbcc.edu/extendedlearning/ahs-ged.php

Courses

GED NC010 GED Test Subject - Reading (0 Units)
Hours: 200 (200 lecture)
This course 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
Transfer Information: AHS - English

GED NC020 GED Test Subject - 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
Transfer Information: AHS - Social Science

GED NC030 GED Test Subject - 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
Transfer Information: AHS - Science

GED NC040 GED Test Subject - Writing (0 Units)
Hours: 60 (60 lecture)
This course covers the Writing GED subject matter and provides students with test-taking skills, critical thinking and reading skills, and various approaches to essay writing including descriptive and narrative prose. GED book are used to ensure that the information students obtain is directly related to the Writing examination and practice tests are administered to verify that students are prepared to take (and pass) the Writing subject test. Course restricted to 98 repetitions
Transfer Information: AHS - English

GED NC050 GED Test Subject - 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
Transfer Information: AHS - Mathematics

GED 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
Transfer Information: AHS - English

GED 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
Transfer Information: AHS - Social Science

GED 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
Transfer Information: AHS - Science

GED NC090 GED Test Subject - Bilingual Writing (0 Units)
Hours: 60 (60 lecture)
This course covers the Writing GED subject matter and provides students with test-taking skills, critical thinking and reading skills, and various approaches to essay writing including descriptive and narrative prose. GED books are used to ensure that the information students obtain is directly related to the Writing examination and practice tests are administered to verify that students are prepared to take (and pass) the Writing subject test in Spanish. Course restricted to 98 repetitions
Transfer Information: AHS - English
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
Transfer Information: AHS - Mathematics

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 - Independent Study

HSCA NC010 Learning Skills: PowerPoint (2 Units)
Hours: 40 (40 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to take full advantage of Microsoft Office PowerPoint. Topics include 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 - Independent Study

HSCA NC030 Learning Skills: Outlook (1-2 Units)
Hours: 40 (40 lecture)
Using software tutorials, this 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 - Independent Study

HSCA NC040 Learning Skills: Excel (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 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 - Independent Study

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 - Independent Study

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 - Independent Study

Transfer Information: AHS - Elective

HSBI 020 Oceanography (5 Units)
Hours: 72 (72 lecture)
This text-based course will teach students about marine organisms, marine habitats, and global marine issues. This course will teach students about the characteristics of marine organisms as well as their role in their unique environments. This course will utilize scientific resources structured to give students a hands-on experience without having to leave the classroom. This course will address state science standards, state environmental principles, and state writing standards. Evaluation takes the form of review questions, critical thinking essays and examinations. Course restricted to 98 repetitions
Transfer Information: AHS - Science

HSBI 010 Marine Biology (5 Units)
Hours: 72 (72 lecture)
This text-based course will teach students about marine organisms, marine habitats, and global marine issues. This course will teach students about the characteristics of marine organisms as well as their role in their unique environments. This course will utilize scientific resources structured to give students a hands-on experience without having to leave the classroom. This course will address state science standards, state environmental principles, and state writing standards. Evaluation takes the form of review questions, critical thinking essays and examinations. Course restricted to 98 repetitions
Transfer Information: AHS - Science

HSBI 030 Biology (10 Units)
Hours: 144 (144 lecture)
This competency-based survey course will introduce students to the basic concepts necessary to understand the diversity and complexity of life on earth. Topics covered include the scientific method, the chemistry of living things, cell structure and function, genetics and heredity, evolution and adaptation, unicellular and multicellular organisms, human biology, and ecology. Text books will be supplemented with interactive, multimedia and software assignments. Evaluation takes the form of regular student-instructor conferencing, quizzes and a final exam. Course restricted to 98 repetitions
Transfer Information: AHS - Science

Transfer Information: AHS - Science

HSBI 010 Learning Skills: PowerPoint (2 Units)
Hours: 30 (30 lecture)
Using software tutorials, this Adult High School course promotes an understanding of the skills necessary to take full advantage of Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Independent Study
HSCA 020 Learning Skills: Access (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Access. Topics covered include designing and managing databases, using macros and queries to manage data, designing forms and creating reports. Software based quizzes, instructor conferencing and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSCA 030 Learning Skills: Outlook (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Outlook. Topics covered include designing and managing personal calendars and schedules, using and maintaining inboxes and contacts, and scheduling tasks. Software based quizzes, instructor conferencing and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSCA 040 Learning Skills: Excel (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Excel. Topics covered include designing and managing spreadsheets, using spreadsheets to manage data, and creating charts, graphs, formulas and functions. Software based quizzes, instructor conferencing and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSCA 050 Learning Skills: Word Basics (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Word. Topics covered include document formatting and editing, creating tables and templates and collaborating on the production of documents. Software based quizzes, instructor conferencing and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSEA 010 Earth Science (10 Units)
Hours: 144 (144 lecture)
This competency-based survey course in Earth science systematically covers the study of the solid Earth, its waters, atmosphere, and Earth's place in the solar system. In geology, students will study the origin, history and structure of Earth and the processes that shape its surface. In oceanography, students will learn about the characteristics and dynamics of the Earth's oceans and other waters. The section on meteorology will cover the atmosphere and its changing conditions, including weather and climate. The astronomy section studies the motions of our planet and objects outside of Earth. In relation to the other branches of Earth science, students will also study ecology. Course restricted to 98 repetitions
Transfer Information: AHS - Science

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: 200 (200 lecture)
This competency-based course stresses conceptual knowledge of capitalism and the free enterprise system. Brief comparisons are made to other economic systems. Topics also include banking, government, industry and trade. Unit quizzes provide the teacher and student feedback about the student's progress. At the end of each unit, the student will also write a short essay on issues-oriented topics. Post-tests for the assessment of competency are required. 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

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
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

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

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

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

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

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

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

HSEN 001 Reading and Composition 1 (10 Units)
Hours: 144 (144 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and tests based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 001A Reading and Composition 1A (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and regular teacher conferencing. Evaluation takes the form of writing portfolio assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 001B Reading and Composition 1B (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and regular teacher conferencing. Evaluation takes the form of writing portfolio assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English
HSEN 002 Reading and Composition 2 (10 Units)  
Hours: 144 (144 lecture)  
This literature based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and tests based on material presented. Course restricted to 98 repetitions  
Transfer Information: AHS - English

HSEN 002A Reading and Composition 2A (5 Units)  
Hours: 72 (72 lecture)  
This literature-based course will teach students how to incorporate sentences and well-developed paragraphs into 3-paragraph essays by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model to inspire student writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, stressing self-editing and regular teacher conferencing. Evaluation takes the form of writing portfolio assessment by the instructor and unit reviews based on material presented. Course restricted to 98 repetitions  
Transfer Information: AHS - English

HSEN 002B Reading and Composition 2B (5 Units)  
Hours: 72 (72 lecture)  
This literature-based course will develop students’ ability to incorporate sentences and well-developed paragraphs into 3-paragraph essays demonstrating critical thought and basic literary analysis. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course utilizes processes known to enhance writing success, stressing self-editing and regular teacher conferencing. Evaluation takes the form of writing portfolio assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions  
Transfer Information: AHS - English

HSEN 003 Reading and Composition 3 (10 Units)  
Hours: 144 (144 lecture)  
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and tests based on material presented. Course restricted to 98 repetitions  
Transfer Information: AHS - English

HSEN 003A Reading and Composition 3A (5 Units)  
Hours: 72 (72 lecture)  
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and tests based on material presented. Course restricted to 98 repetitions  
Transfer Information: AHS - English

HSEN 003B Reading and Composition 3B (5 Units)  
Hours: 72 (72 lecture)  
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and tests based on material presented. Course restricted to 98 repetitions  
Transfer Information: AHS - English

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 - Independent Study

HSHI 020 World History: Modern Regions (5 Units)
Hours: 72 (72 lecture)

This competency-based course begins with an introduction to the use of primary sources in history and to methods and theories in historiography. Students examine the roles of anthropology, epistemology and politics in the study of history. The developments of nationalism and state formation, liberalism and modern politics are contextualized by close readings of primary source documents on the cultures, economics and politics of the regions of Latin America, Asia, Israel and Palestine, and Africa. Course restricted to 98 repetitions

Transfer Information: AHS - Social Science

HSHI 030 American History: Part 1 (5 Units)
Hours: 72 (72 lecture)

This competency-based course is the first half of a comprehensive survey of United States history. The course covers the political, social, cultural, and economic history of the US. It begins with an overview of the history of the American indigenous population before the arrival of European explorers, continuing through the colonization period. Focus is placed on the development of democratic ideals and institutions. The course continues with a history of Africans in America, their culture and contributions. Issues and events leading to the American Revolution, the effects of the war itself, and the creation and the content of the Constitution are covered. The course then moves on to industrialism and territorial expansion, exploring the problems and promise of these changes. Finally, the causes and consequences of the Civil War and Reconstruction era are discussed. This course develops skills in written expression, analysis, interpretation of maps and graphs, and critical thinking. Post-tests for measurement of mastery are utilized. Course restricted to 98 repetitions

Transfer Information: AHS - US History

HSHI 040 American History: Part 2 (5 Units)
Hours: 72 (72 lecture)

Course restricted to 98 repetitions

Transfer Information: AHS - US History

HSII 001 Individualized Instruction: All Subjects (2-10 Units)
Hours: 144 (144 lecture)

Offers individualized instruction in all high school subjects: reading comprehension, spelling, vocabulary and grammar development, writing, mathematics and more. Prepare for the diploma-program competency tests in reading, writing and mathematics, as well as for the GED tests. Earn high school credit for successful completion of courses. Open enrollment. Course restricted to 98 repetitions

Transfer Information: AHS - Independent Study

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 - Mathematics

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 - Mathematics

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
HSMA 001 Math 1 (0 Units)  
Hours: 144 (144 lecture)  
Skills Development I offers individualized, small group, and one-on-one tutoring instruction in basic literacy, writing fluency, math, computer literacy and applied life skills. Students who test below a high school level in reading and writing can work to bring their skills up to higher levels. Students may also work to improve reading and writing skills for career or personal goals. Open enrollment. No prerequisites. Course restricted to 98 repetitions  
Transfer Information: AHS - Mathematics

HSMA 010 Mathematics A: Whole Number Arithmetic (5 Units)  
Hours: 72 (72 lecture)  
This competency-based course reviews arithmetic, beginning with basic number concepts, like place value, ordinal value and estimation. The course also reviews the four basic operations with whole numbers and introduces problem-solving strategies and life skills and workplace math. Pretests for accurate placement and prescription, and post-tests for measurement of mastery are utilized. When taken in sequence with Mathematics B and Algebra/Geometry, this course prepares students for success in high school mathematics and in applying math to everyday like and work problems. Course restricted to 98 repetitions  
Transfer Information: AHS - Mathematics

HSMA 020 Mathematics B: Fractions, Decimals, Percent (5 Units)  
Hours: 72 (72 lecture)  
This competency-based course review computation and problem solving skills with decimals, fractions, and percents. Geometry (perimeter, area, volume), estimation, problem-solving strategies, like skills and workplace math are included. Pretest for accurate placement and prescription, and post-tests for measurement of mastery are utilized. When taken in sequence with Mathematics A and Algebra/Geometry, this course prepares students for passing the Adult High School competency tests, the GED math test, and success in high school mathematics and in applying math to everyday like and work problems. Course restricted to 98 repetitions  
Transfer Information: AHS - Mathematics

HSMA 030 Mathematics C: Pre-Algebra (5 Units)  
Hours: 72 (72 lecture)  
This competency-based course teaches problem solving strategies and their application in percent, ratio, proportion, measurement, and the use of formulas and equations. Students will learn basic geometry, graphing, probability, squares and roots. Students will learn to solve monomial equations and how to apply them. In the areas of ratios, proportions and percent, students will learn to calculate interest, commissions, discounts, and rates of increase, as well as apply ratio and proportion strategies to solve common travel and finance questions. Students will also be able to interpret graphs, charts, tables and meters. Pre-tests for accurate placement and post-tests for measurement of mastery are used for assessment. Successful completion of this course prepares a student for a high school algebra course. Course restricted to 98 repetitions  
Transfer Information: AHS - Mathematics

HSMA 040 Integrated Mathematics 2: Algebra (10 Units)  
Hours: 144 (144 lecture)  
This competency-based course stresses the appropriate use of problem-solving strategies. It builds upon previous math courses and life experience with review and by addressing algebraic concepts and expressions. Life skills and workplace math are integrated into the course assignments. Pretests for accurate placement and prescription, and post-tests for measurement of mastery are utilized. Course restricted to 98 repetitions  
Transfer Information: AHS - Mathematics

HSMA 050 Integrated Mathematics 3: Geometry (10 Units)  
Hours: 144 (144 lecture)  
This competency-based course builds skills in basic geometry, the study of measurements and relationships of lines, angles, plane figures and solid figures. Topics include the study of angles and triangles and the study of distance, area and volume. Skills developed include estimation, mental math, and calculator use. The topics and skills that are emphasized in this course are useful in many occupations, real-life problem-solving, and educational and vocational tests. 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 introduces 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 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

HSPD 010 Learning Skills: Note-Taking Strategies (1 Unit)
Hours: 15 (15 lecture)
This course will expand student's knowledge of note-taking techniques and purposes. Topics covered include basic functions of note taking, pre-reading strategies, The Cornell Method, clustering, and outlining. Students may attend a note taking workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 020 Learning Skills: Time Management (1 Unit)
Hours: 15 (15 lecture)
This course will help students manage time effectively and create healthier lifestyle patterns. Topics covered include scheduling and how to avoid cramming. Students may take the time management workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 030 Learning Skills: Learning Styles (1 Unit)
Hours: 15 (15 lecture)
This course will teach students to identify their personal learning styles and how to adapt them to dominant teaching styles. Topics covered include the Learning Styles Questionnaire, the four learning styles, and matching your learning style and strategies. Students may take the Learning Styles workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 040 Learning Skills: Test-Taking Skills (1 Unit)
Hours: 15 (15 lecture)
This course will build student test taking confidence by examining academic and emotional management techniques. Topics covered include test anxiety, test preparation, and strategies to use during the test and before turning in the test. Students may take the Test Taking Skills workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 050 Learning Skills: Writing Skills (1 Unit)
Hours: 15 (15 lecture)
This interactive course will allow students to examine strategies for revising their writing at different stages of the writing process. Topics covered include assignment analysis, self-editing strategies, organizing your paper, and developing your thesis. Students may take the workshop and complete the assignments or complete the independent study module in lieu of attending a writing skills workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 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

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

HSPS 020 Survey of U.S. Government (5 Units)
Hours: 72 (72 lecture)
This survey course of United States Government covers the core areas of U.S. Democracy and Politics and contextualizes them in terms of current events. Students also receive instruction on college readiness skills, including pre-reading and note-taking strategies. Competency in the subject matter is evaluated throughout the course with chapter tests and a final exam. Course restricted to 98 repetitions
Transfer Information: AHS - US Government
HSVA 010 Visual Arts and Media Techniques/Art Studio (10 Units)
Hours: 72 (72 lecture)
This competency-based course promotes an understanding of visual arts and media techniques and the skills associated with composition and design to help students create art. In order to receive 10 units for the class, students will be expected to simultaneously enroll in an art studio course and/or produce a portfolio of artwork demonstrating their understanding of visual literacy and compositional techniques. Pre-tests and instructor conferencing will be utilized for accurate placement and prescription, and portfolio analysis will help measure skill mastery.
Course restricted to 98 repetitions
Transfer Information: AHS - Arts/Human/FL

HSVA 020 Visual Arts and Media Techniques/Art Studio 1 (5 Units)
Hours: 72 (72 lecture)
Adult High School Diploma Program course provides an introduction to the visual arts, media techniques, and design skills to help students create art. Students will simultaneously take art studio courses and produce a portfolio of artwork demonstrating their understanding of visual arts and media techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Arts/Human/FL

HSVA 030 Visual Arts and Media Techniques/Art Studio 2 (5 Units)
Hours: 72 (72 lecture)
Adult High School Diploma Program course provides an introduction to visual literacy, media and skills associated with design to help students interpret the meaning of art. Students will simultaneously take art studio courses and produce a portfolio of artwork demonstrating their understanding of visual literacy and composition techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Arts/Human/FL

HSWH 010 World History: Early Civilization (5 Units)
Hours: 72 (72 lecture)
This competency-based course surveys ancient world history, examining human achievements in the Middle East, Mediterranean, Asian, African and Mesoamerican regions. The course closes with a focus on the conquest and colonization of Latin America to illustrate the ancient civilizations’ impact with modernity. Students are introduced to methods and theories in historiography before they are asked to critically read and write about primary sources pertinent to the histories of the civilizations in these regions. Course restricted to 98 repetitions
Transfer Information: AHS- World History

HSWH 020 World History: Modern Regions (5 Units)
Hours: 72 (72 lecture)
This competency-based course begins with an introduction to the use of primary sources in history and to methods and theories in historiography. Students examine the roles of anthropology, epistemology and politics in the study of history. The developments of nationalism and state formation, liberalism and modern politics are contextualized by close readings of primary source documents on the cultures, economics and politics of the regions of Latin America, Asia, Israel and Palestine, and Africa.
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
Credit Program
• Emergency Medical Technician-Basic, Skills Competency Award (SCA) (p. 126)

Noncredit Programs
• Restorative Nurse Assistant Training, Certificate of Completion (p. 126)
• Personal Care Attendant, Certificate of Completion (p. 126)
• Medical Assistant Training, Certificate of Completion (p. 126)

Emergency Medical Technician-Basic, Skills Competency Award (SCA)
Requirements
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>EMT 110</td>
<td>Emergency Medical Technician-Basic</td>
<td>6</td>
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<tr>
<td>Total Units</td>
<td>6.00</td>
<td></td>
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</tbody>
</table>

Students must complete this course with a grade of "C" or higher or Pass to earn the 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. EMT information: www.sbcc.edu/alliedhealth/courses/EMT.php

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.
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.

Medical Assistant Training, Certificate of Completion
Requirements
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH NC005</td>
<td>Medical Assistant IA: Administrative and Clinical Skills Part One</td>
<td>0</td>
</tr>
<tr>
<td>AH NC006</td>
<td>Medical Assistant 1B: Administrative and Clinical Skills Part Two</td>
<td>0</td>
</tr>
<tr>
<td>AH NC007</td>
<td>Medical Assistant II: Job Readiness &amp; Field Work</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes
1. The student will demonstrate competency in infection control, vital signs measurement, assisting with medical examinations, and performing medical office diagnostic tests.
2. Demonstrate effective communication strategies for assisting patients in front office reception and appointment scheduling.

Personal Care Attendant, Certificate of Completion
Requirements
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH NC020</td>
<td>Personal Care Attendant I: Basic Care</td>
<td>0</td>
</tr>
<tr>
<td>AH NC021</td>
<td>Personal Care Attendant II: Dementia and End-of-Life Care</td>
<td>0</td>
</tr>
</tbody>
</table>

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.

Restorative Nurse Assistant Training, Certificate of Completion
Requirements
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH NC030</td>
<td>Restorative Nurse Assistant Training - Introduction</td>
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</tr>
<tr>
<td>AH NC031</td>
<td>Restorative Nurse Assistant Training - Advanced</td>
<td>0</td>
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</table>

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.
AMERICAN ETHNIC STUDIES

In these studies, students critically examine the interlocking forces of race, gender, class, sexuality and other forms of social differentiation that shape the histories and experiences of marginalized groups. Career choices for all four of these degrees include the areas of teaching, prelaw, law, community services, cultural arts, museums and local, state and federal governmental agencies.

Program Description

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 groups make up the American mosaic. The American Ethnic Studies Department examines the heritage, contributions and problems of these communities. Current emphasis is placed on the Asian-American, African-American, Mexican-American, Native American and other communities of color. It is the department’s belief that, through an examination of the heritage of others, one can appreciate one’s own heritage.

Degrees in Ethnic Studies can be for social work, community agency work, teaching, etc. The department is committed to providing students the knowledge, personal attributes and skills to successfully live and work in a diverse world. As a result, students are prepared to operate competently, confidently and comfortably within a multicultural setting and with the tools to adapt to a rapidly changing multicultural environment.

The department also offers courses which fulfill the Multicultural/Gender Equity requirement and General Education requirements in the Social Sciences and Humanities.

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

Credit Programs

- Black Studies, Associate in Arts (AA)
- Chicano Studies, Associate in Arts (AA)
- Ethnic Studies, Associate in Arts (AA)
- Native American Studies, Associate in Arts (AA)

Black Studies, Associate in Arts (AA) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLST 101</td>
<td>The African-American In U.S. History To World War II</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Planning a Program of Study

It is suggested that students take Black Studies 113 whenever this course is offered since it is not offered every semester. Your program should be planned in consultation with department members.

Chicano Studies, Associate in Arts (AA) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CHST 101</td>
<td>Mexican-American (Chicano) History In The U.S.</td>
<td>3</td>
</tr>
<tr>
<td>or CHST 102</td>
<td>The Chicano And Latino In U.S. History, From The 1960's To The Present</td>
<td></td>
</tr>
<tr>
<td>CHST 103</td>
<td>Mexican-American (Chicano) Culture</td>
<td>3</td>
</tr>
</tbody>
</table>
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 3
CHST 130  History Of Mexican Art 1 3
or CHST 131  History Of Chicano Art

Plus one of the following: 3

ASAM 101  Comparative Asian-American History, 1849-1965 (ASAMST 101/1)
BLST 101  The African-American In U.S. History To World War II
NATA 101  American Indian: Past And Present (NATAM 101/1)

Total Units 18.00

1 Students who completed CHST 119 (19) are exempt from this requirement.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Ethnic Studies, Associate in Arts (AA) Requirements

Code  Title  Units

Department Requirements

Select 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

or HIST 114  The Immigrant Experience In The U.S.
or HIST 114H  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
Select two courses from the following: 6

BLST 103  African-American Culture
CHST 103  Mexican-American (Chicano) Culture
ETHS 107  Racism In America
or SOC 107  Racism in America

ETHS 109  U.S.-Mexico And Other Borderlands
ETHS 110  Contemporary Ethnic Communities
NATA 103  Native American Cultural Heritage

Select 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

BLST 111  The African-American Music Experience 3
or NATA 112  Native American Visual And Musical Art

Total Units 18.00-20.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
Native American Studies, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>NATA 101</td>
<td>American Indian: Past And Present</td>
<td>3</td>
</tr>
<tr>
<td>NATA 102</td>
<td>The Native American In 20th Century Society</td>
<td>3</td>
</tr>
<tr>
<td>or NATA 105</td>
<td>California Tribes: The Chumash</td>
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<tr>
<td>NATA 103</td>
<td>Native American Cultural Heritage</td>
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<tr>
<td>NATA 112</td>
<td>Native American Visual And Musical Art</td>
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<tr>
<td>NATA 113</td>
<td>The Indian In Literature: Fact And Fiction</td>
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<tr>
<td>ASAM 101</td>
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<tr>
<td>BLST 101</td>
<td>The African-American In U.S. History To World War II</td>
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<tr>
<td>CHST 101</td>
<td>Mexican-American (Chicano) History In The U.S.</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 18.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Planning a Program of Study

It is suggested that students take NATA 102 The Native American In 20th Century Society, NATA 104 California Indians and NATA 112 Native American Visual And Musical Art whenever these courses are offered since they are not offered every semester. A program should be planned in consultation with department members.
**ANTHROPOLOGY**

**Program Description**

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.

Anthropology itself is so broad a topic that it must really be broken down into several sub-disciplines, among which are Cultural Anthropology, Physical Anthropology, Archaeology, Linguistic Anthropology and Applied Anthropology (though the final discipline, Applied Anthropology, really includes the application of the other disciplines’ methods and theories to modern day problems, and is not always included as its own sub-discipline). Through these sub-disciplines, all of human existence can be examined and brought into a greater understanding.

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, applications and areas of interest 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, how some of the more specialized technological fields (such as Archaeology and Physical Anthropology) apply their research methods, give students the tools necessary to examine and evaluate the world and cultures around them, show them where we, as a species, have come from, and enable them to competently and confidently effect a change in the society and culture of which they are a part.

Students majoring in Anthropology have been successful in transferring to four-year university programs in Anthropology and other disciplines, and have acquired employment in a range of fields and for a variety of employers. Examples include heritage resource managers for the National Park Service and other state and federal agencies, museum curators, forensic anthropologists for city and county law enforcement, marine salvage specialists, and corporate cultural sensitivity trainers.

**Planning a Program of Study**

A student planning a major in Anthropology should take the three basic courses required for the major (ANTH 101 Physical Anthropology, ANTH 102 Introduction To Archaeology and ANTH 103 Introduction To Cultural Anthropology) and as many of the more specialized courses offered by the department as possible. If the student’s emphasis will be in the area of Physical Anthropology, the student should take ANTH 109 Comparative World Cultures. If the student’s emphasis will be in the area of Cultural Anthropology, the student should take ANTH 121 Cultures Around The World: Asia and the Pacific and ANTH 122 Cultures Around The World: The Americas. A student interested primarily in Archaeology should take related courses in geology and biology.

**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 and Transfer Centers.

**Honors and Awards**

The Anthropology Department selects one student majoring in the discipline as the Outstanding Student in Anthropology for the year, to be honored at the annual Santa Barbara City College Award Banquet. Selection is made by the faculty, based on academic excellence in Anthropology and contribution to the department, college and/or community.

**Department Resources**

The Anthropology Department offers a self-scheduled, self-paced, modular course entitled, Cultures Around The World, all materials for which are in either an online format or available, day and evening, in the Learning Resources Center.

**Programs of Study**

**Credit Programs**

- Anthropology, Associate in Arts (AA) (p. 131)
- Anthropology, Associate in Arts for Transfer (AA-T) (p. 132)

**Anthropology, Associate in Arts (AA) Requirements**

<table>
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<tr>
<th>Code</th>
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<td>Physical Anthropology, Honors</td>
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<td>ANTH 102</td>
<td>Introduction To Archaeology</td>
<td>3-4</td>
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<tr>
<td>or ANTH 102H</td>
<td>Introduction To Archaeology, Honors</td>
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<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
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<td>Language and Culture</td>
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<td>Introduction To Sociology</td>
<td>3-4</td>
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<td>or SOC 101H</td>
<td>Introduction To Sociology, Honors</td>
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</table>

Select one course from the following: 3

- ANTH 109 Comparative World Cultures
- ANTH 113 Witchcraft, Magic, Science And Religion
- ANTH 121 Cultures Around The World: Asia and the Pacific
- ANTH 122 Cultures Around The World: The Americas
- ANTH 123 Cultures Around The World: Africa and the Middle East

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

- Satisfies SBCC GE Area A only if ANTH 101L is also completed.
- Minimum 3 units
Degree Requirements

Complete 60 CSU-transferable units including general education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (Minimum 37 semester units)
- California State University General Education Breadth pattern (Minimum 40 semester units)

Major

Complete 18-23 units as outlined below with a "C" or better or "Pass" in each course. The courses completed for the major may also be used to fulfill the IGETC General Education areas.

### 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.

### Anthropology, Associate in Arts for Transfer, (AA-T)

**Requirements**

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 degree in Anthropology for Transfer (AA-T in Anthropology) will provide the foundational knowledge in Anthropology to students who want to earn a Baccalaureate Degree in Anthropology.
Select one course from the following: Any List A course not selected above and/or:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>BMS 107</td>
<td>Human Anatomy</td>
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<td>ENVS 115 &amp; ENVS 115L</td>
<td>Environmental Geology and Environmental Geology Laboratory</td>
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<td>ERTH 115 &amp; ERTH 115L</td>
<td>Environmental Geology and Environmental Geology Laboratory</td>
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<td>ERTH 111 &amp; ERTH 111L</td>
<td>Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory</td>
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</tr>
<tr>
<td>ERTH 111H &amp; ERTH 111L</td>
<td>Dynamic Earth - Physical Geology, Honors and Dynamic Earth - Physical Geology Laboratory</td>
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</tr>
<tr>
<td>ERTH 171 &amp; ERTH 172</td>
<td>Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications</td>
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<tr>
<td>GEOG 171 &amp; GEOG 172</td>
<td>Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications</td>
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<tr>
<td>PSY 200</td>
<td>Research Methods and Experimental Design in Psychology</td>
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List C
Select one course from the following: Any course from List A or B not selected above or:

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<td>ANTH 109</td>
<td>Comparative World Cultures</td>
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<td>ASAM 101</td>
<td>Comparative Asian-American History, 1849-1965</td>
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<td>ASAM 102</td>
<td>Contemporary Asian-American History</td>
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<tr>
<td>BLST 101</td>
<td>The African-American In U.S. History To World War II</td>
<td>1</td>
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<td>BLST 102</td>
<td>The African-American In U.S. History, From Civil Rights Movement To Present</td>
<td>1</td>
</tr>
<tr>
<td>BLST 102H</td>
<td>The African-American In U.S. History, from Civil Rights to Present, Honors</td>
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<tr>
<td>BLST 103</td>
<td>African-American Culture</td>
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<td>BLST 113</td>
<td>African-American And Afro-Caribbean Literature In The U.S.</td>
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<td>Mexican-American (Chicano) History In The U.S.</td>
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<td>The Chicano And Latino In U.S. History, From The 1960's To The Present</td>
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<td>Mexican-American (Chicano) Culture</td>
<td>1</td>
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<td>CHST 113</td>
<td>Introduction To Chicano/Mexican-American Literature</td>
<td>1</td>
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<td>CHST 114</td>
<td>Borderlands Literature: U.S.-Mexico</td>
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<td>CHST 115</td>
<td>Introduction To Mexican Literature</td>
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<td>CHST 121</td>
<td>The Chicana And Other Latina Women</td>
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<td>COMM 151</td>
<td>Intercultural Communication</td>
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<td>World Literature</td>
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<td>HIST 107</td>
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<td>History Of Religions Of The Middle East</td>
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<td>History Of The Modern Middle East</td>
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<td>NATA 105</td>
<td>California Tribes: The Chumash</td>
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<td>POLS 122</td>
<td>International Organizations: Global and Regional Governance</td>
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<td>SOC 101H</td>
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<td>Racism in America</td>
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<tr>
<td>SOC 109</td>
<td>Social Problems</td>
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</table>
SPAN 134 | Survey of Latin American Literature ¹

SPAN 135 | Latin American Culture ¹

SPAN 136 | Contemporary Cultures Of Central America ¹

SPAN 138 | Contemporary Culture Of South America ¹

Total Units | 18.00-26.00

¹ These courses fulfill an IGETC and/or CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU GE Breadth Requirements.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
ART

“It takes a lot of willpower and desire to be an artist hunting for what excites your imagination. It can be difficult because it takes so much discipline to continue.”
— Barry LeVa

Program Description

The Art Department at Santa Barbara City College provides the students an opportunity to study and experience art from a broad range of emphases: a well-structured art studio or art history curriculum for the traditional art major; as part of a structured program for majors from other departments such as MAT or Graphic Design; or for enrichment, development and fulfillment of college requirements for the non-art major.

The department offers courses in design, drawing, three-dimensional design, painting, printmaking, artists’ books, ceramics, sculpture and art history to provide the student a full background and training for either transfer to another institution or to proceed independently.

The Art Department is committed to student success in its many programs by providing the highest level of instruction and experience from our foundation level courses to the upper level studio classes. We offer an Associate in Arts Degree or transfer Certificate in Studio Art and Art History and have seen many of our students successfully move on to art schools, 4-year Institutions and professional careers.

In addition, the Art Department offers an AA-T Degree in Art History for Transfer and an AA-T Degree in Studio Art for Transfer. These degrees provide the foundational knowledge in Art History or Studio Art to students who want to earn a Baccalaureate Degree in Art History or Studio Art. These degrees are in compliance with the Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code Sections 66746-66749) and guarantee 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. 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. For more information on transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

We have a strong commitment to our local community and have reached a broad audience through the Atkinson Gallery and our Fine Arts Lecture Series, wherein speakers from many art disciplines come to our department and present talks. We support the Art Students Club that also organizes symposia and field trips. We are proud of the broader art experience we have been able to provide to our students. We maintain strong outreach to our local high schools, particularly the VADA program at Santa Barbara High School. We currently offer a dual-enrollment Art History course with SBHS. We continue to support the Santa Barbara Arts Fund Teen Arts Mentorship Program through faculty involvement as mentors.

The Art Department strongly encourages students to complete the Foundation Level courses below prior to more specialized courses. Santa Barbara City College is enforcing all prerequisites, and registration will be blocked unless the prerequisite courses have been completed.

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<tr>
<th>Code</th>
<th>Title</th>
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<td>or ART 103H</td>
<td>History Of Art, Prehistoric to Gothic, Honors</td>
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<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
<td>3</td>
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<td>History Of Art, Renaissance To Modern, Honors</td>
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<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
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<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
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<td>ART 141</td>
<td>3-D Design: Form And Space</td>
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For more information on the department, visit http://www.sbcc.edu/art/

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.

Honors and Awards

Each year, the Art Department exhibits outstanding student work in the Annual Student Art Exhibition. SBCC purchases work for its permanent collection and provides Best of Show and categorical awards. The department supports students in applying for diverse scholarships. The department also selects an Outstanding Art History Student and an Outstanding Art Studio Student each year.

“Focus on something you are doing so deeply that it acts like a magnet for those around you and they cannot continue to do what they are doing.”
—Dorothea Rockburne

Atkinson Gallery

Atkinson Gallery is SBCC’s showcase for the visual arts, located on the second floor of the Humanities Building, H-202. Atkinson Gallery currently hosts three exhibitions each academic year, closing out the year with the Annual Student Exhibition. Usually, at least two exhibitions of emerging artists are mounted annually.

Department Resources

Study Abroad

The Art Department participates in the Study Abroad Program and has been part of programs in Italy, the former Soviet Union, Cuba and France.

Honors Courses

ART 104H History Of Art, Renaissance To Modern, Honors and ART 103H History Of Art, Prehistoric to Gothic, Honors are Honors section for students enrolled in the SBCC Honors Program. See “Honors” section of this Catalog.

Field Trips

The Art Department sponsors field trips to major Southern California museums and galleries as adjunct support for its curriculum.
Internships, Student Participation in Clubs and Exhibitions

The Art Department is supportive of student needs and accomplishments. The Department encourages students to participate in student art exhibitions, including the Annual Student Exhibition held in April and May. The department also employs students as work-study staff, tutors, studio lab assistants, and offers internships in the Art Gallery and Image Resource Center.

“As you build confidence constructing your vision through affirmation of its process, you discover more ideas. The ideas become stronger and dominate the process.”
—Brian Hunt

Programs of Study

Credit Programs

- Art, Associate in Arts (AA): Art History Emphasis (p. 139)
- Art, Associate in Arts (AA): Art Studio Emphasis (p. 140)
- Art History, Associate in Arts for Transfer (AA-T) (p. 136)
- Studio Art, Associate in Arts for Transfer (AA-T) (p. 141)

Art History, Associate in Arts for Transfer (AA-T)

Requirements

The field of art history 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 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 degree in Art History for Transfer (AA-T in Art History) will provide the foundational knowledge in Art History to students who want to earn a Baccalaureate Degree in Art History at any of the CSU campuses.

Degree Requirements

Complete 60 CSU-transferable units including general education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major

Complete 18-20.3 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Required Core</th>
<th>Units</th>
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<tbody>
<tr>
<td>ART 103 or ART 103H</td>
<td>History Of Art, Prehistoric To Gothic</td>
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<tr>
<td>ART 104 or ART 104H</td>
<td>History Of Art, Renaissance To Modern</td>
<td>3</td>
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<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
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List A

Select one course from the following:

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ART 108</td>
<td>History Of Asian Art</td>
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<tr>
<td>ART 111</td>
<td>Survey Of Tribal Arts</td>
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<td>ART 112</td>
<td>Survey Of Pre-Columbian Art</td>
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<td>ART 215</td>
<td>Survey Of Non-Western Art</td>
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<tr>
<td>ART 216</td>
<td>Survey Of Islamic Art And Architecture</td>
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<tr>
<td>CHST 130</td>
<td>History Of Mexican Art</td>
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<tr>
<td>CHST 131</td>
<td>History Of Chicano Art</td>
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<td>NATA 112</td>
<td>Native American Visual And Musical Art</td>
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List B

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<td>Visual Literacy</td>
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<td>ART 121</td>
<td>Intermediate Drawing</td>
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<td>ART 122</td>
<td>Advanced Drawing</td>
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<tr>
<td>ART 123</td>
<td>Figure and Portrait Drawing</td>
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<tr>
<td>ART 124A</td>
<td>Classical Animation I</td>
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<td>Classical Animation II</td>
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<td>ART 130</td>
<td>Integrated Drawing and Painting</td>
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<td>ART 131</td>
<td>Fundamentals Of Oil Painting</td>
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<td>Theory and Application in Painting</td>
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<td>ART 135</td>
<td>Figure and Portrait Painting</td>
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<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
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<td>ART 141</td>
<td>3-D Design: Form And Space</td>
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<td>ART 150</td>
<td>Fundamentals Of Ceramics</td>
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<td>ART 154</td>
<td>Ceramic Sculpture</td>
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<td>ART 190</td>
<td>Introduction to Printmaking</td>
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<tr>
<td>ART 193</td>
<td>Beginning Printmaking: Silkscreen</td>
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<td>FP 275</td>
<td>Production II: Narrative Filmmaking</td>
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<td>GDP 113</td>
<td>Typography</td>
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<td>GDP 114</td>
<td>Graphic Design I</td>
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<td>MAT 136</td>
<td>Computer Animation I</td>
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<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
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**List C**

Select one course from the following, or any course not taken in List A or B: 1

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<td>Diversity, Law and Justice</td>
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<td>ANTH 102</td>
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<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
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<td>ANTH 104</td>
<td>Language and Culture</td>
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<td>ANTH 109</td>
<td>Comparative World Cultures</td>
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<td>ANTH 113</td>
<td>Witchcraft, Magic, Science And Religion</td>
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<td>Beginning Modern Standard Arabic I</td>
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<td>Early Twentieth Century Art, 1900-1945</td>
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<td>Late Twentieth Century Art</td>
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<td>ART 106</td>
<td>History Of American Art</td>
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<tr>
<td>ART 110</td>
<td>History Of Women In Art</td>
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<td>ART 114</td>
<td>History Of Photography</td>
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<tr>
<td>ART 210</td>
<td>Survey Of Renaissance And Baroque Art</td>
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<td>ART 211</td>
<td>Nineteenth Century Art</td>
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<td>Comparative Asian-American History, 1849-1965</td>
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<td>BLST 101</td>
<td>The African-American In U.S. History To World War II</td>
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<td>BLST 102</td>
<td>The African-American In U.S. History, From Civil Rights Movement To Present</td>
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<td>The African-American In U.S. History, from Civil Rights To Present, Honors</td>
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<td>BLST 103</td>
<td>African-American Culture</td>
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<td>BLST 111</td>
<td>The African-American Music Experience</td>
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<td>African-American And Afro-Caribbean Literature In The U.S.</td>
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<td>Mexican-American (Chicano) History In The U.S.</td>
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<td>Mexican-American (Chicano) Culture</td>
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<td>Borderlands Literature: U.S.-Mexico</td>
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<td>CHST 121</td>
<td>The Chicana And Other Latina Women</td>
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<td>Chicano Theatre</td>
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<td>COMM 151</td>
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<td>Literature And Film</td>
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<td>HIST 107</td>
<td>World Civilization, Beginnings To 1550</td>
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<td>The American West As Frontier And Region</td>
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<td>HIST 134</td>
<td>History Of Latin America: 1800'S To Modern Period</td>
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<td>Middle Eastern Music, Dance and Culture</td>
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<td>Sound Recording And Electronic Music</td>
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<td>American Indian: Past And Present</td>
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<td>The Native American In 20th Century Society</td>
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<td>NATA 105</td>
<td>California Tribes: The Chumash</td>
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<td>The Indian In Literature: Fact And Fiction</td>
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<td>PHIL 100</td>
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<td>Introduction To Costume Design</td>
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<td>Theatrical Makeup Techniques</td>
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TA 215 Fundamentals Of Directing

Total Units 18.00-20.30

1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or articulation.sbcc.edu (http://articulation.sbcc.edu) for IGETC and CSU GE Breadth requirements.

CSU Transferable Electives

Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit assist.org (http://www.assist.org))

Additional Graduation Requirements for AA-T in Art History

• Maintain a cumulative CSU-transferable GPA of 2.0.
• Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

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.

Art, Associate in Arts (AA): Emphasis in Art History

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Department Requirements</td>
<td></td>
</tr>
<tr>
<td>ART 102A</td>
<td>Early Twentieth Century Art, 1900-1945</td>
<td>3</td>
</tr>
<tr>
<td>ART 102B</td>
<td>Late Twentieth Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 103</td>
<td>History Of Art, Prehistoric To Gothic</td>
<td>3</td>
</tr>
<tr>
<td>or ART 103H</td>
<td>History Of Art, Prehistoric to Gothic, Honors</td>
<td></td>
</tr>
<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
<td>3</td>
</tr>
<tr>
<td>or ART 104H</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Art of the Non-Western World:</td>
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</tr>
<tr>
<td>Select one course from the following:</td>
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<td></td>
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<tr>
<td>ART 108</td>
<td>History Of Asian Art</td>
<td>3</td>
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<tr>
<td>ART 111</td>
<td>Survey Of Tribal Arts</td>
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<tr>
<td>ART 112</td>
<td>Survey Of Pre-Columbian Art</td>
<td></td>
</tr>
<tr>
<td>ART 215</td>
<td>Survey Of Non-Western Art</td>
<td></td>
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</table>

Support Courses

Select one course from the following: 3-4

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ART 101</td>
<td>Visual Literacy</td>
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<tr>
<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
</tr>
<tr>
<td>ART 122</td>
<td>Advanced Drawing</td>
</tr>
<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
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<tr>
<td>ART 141</td>
<td>3-D Design: Form And Space</td>
</tr>
<tr>
<td>ART 150</td>
<td>Fundamentals Of Ceramics</td>
</tr>
<tr>
<td>ART 170</td>
<td>Introduction To Sculpture</td>
</tr>
<tr>
<td>ART 190</td>
<td>Introduction To Printmaking</td>
</tr>
<tr>
<td>HIST 103</td>
<td>History Of Western Civilization</td>
</tr>
<tr>
<td>HIST 104</td>
<td>History Of Western Civilization</td>
</tr>
<tr>
<td>HIST 113H</td>
<td>History Of Western Civilization: 1600 To Present, Honors</td>
</tr>
<tr>
<td>HIST 135</td>
<td>History Of Mexico</td>
</tr>
</tbody>
</table>

Total Units 27.00-28.00

Note: A course may not be used to satisfy more than one requirement (double counting is not allowed).

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Art, Associate in Arts (AA): Emphasis in Art Studio

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ART 102A</td>
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<tr>
<td>ART 102B</td>
<td>Late Twentieth Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 103</td>
<td>History Of Art, Prehistoric To Gothic</td>
<td>3</td>
</tr>
<tr>
<td>or ART 103H</td>
<td>History Of Art, Prehistoric To Gothic, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
<td>3</td>
</tr>
<tr>
<td>or ART 104H</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
<td>3</td>
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<tr>
<td>ART 141</td>
<td>3-D Design: Form And Space</td>
<td>3</td>
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</tbody>
</table>

Controlled Electives

Group A:
Select one course from the following:

| ART 121 | Intermediate Drawing                      | 3     |
| ART 122 | Advanced Drawing                          |       |
| ART 123 | Figure and Portrait Drawing               |       |

Group B:
Select one course from the following:

| ART 130 | Integrated Drawing and Painting           | 3-3.3 |
| ART 131 | Fundamentals Of Oil Painting              |       |
| ART 132 | Fundamentals Of Painting                  |       |
| ART 190 | Introduction to Printmaking               |       |
| ART 193 | Beginning Printmaking: Silkscreen         |       |

Group C:

| ART 150 | Fundamentals Of Ceramics                  | 3     |
| or ART 170 | Introduction To Sculpture              |       |

Support Courses

Select one course from the following:

| ART 101 | Visual Literacy                           | 3-3.3 |
| 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 Pre-Columbian Art              |       |
| ART 114 | History Of Photography                    |       |
| ART 124A | Classical Animation I                     |       |
| ART 127 | Landscape Drawing                         |       |
| ART 133 | Intermediate Painting                     |       |
| ART 134 | Theory and Application in Painting        |       |
| ART 135 | Figure and Portrait Painting              |       |

Total Units: 33.00-33.60

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.
### Studio Arts, Associate in Arts for Transfer (AA-T)

**Requirements**

The field of studio art 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 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 degree in Studio Arts for Transfer (AA-T in Studio Arts) will provide the foundational knowledge in Studio Arts to students who want to earn a Baccalaureate Degree in Studio Arts at any of the CSU campuses.

**Degree Requirements**

Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

#### General Education

**Complete one of the following patterns:**

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

#### Major

Complete 24-26 units as outlined below with a "C" or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
<td>3-4</td>
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<td>or ART 104H</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
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<tr>
<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
<td>3</td>
</tr>
<tr>
<td>or ART 141</td>
<td>3-D Design: Form And Space</td>
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<td></td>
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#### List A

Select one course from the following:

- ART 122 Advanced Drawing
- ART 140 Studio Art Foundations (2-D)
- ART 141 3-D Design: Form And Space

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<tr>
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#### List B

Select one course from the following:

- ART 104 Early Twentieth Century Art, 1900-1945
- ART 104H Early Twentieth Century Art, 1900-1945, Honors
- ART 120 Fundamentals Of Drawing
- ART 140 Studio Art Foundations (2-D)
- ART 141 3-D Design: Form And Space

<table>
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<tr>
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<tbody>
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<tbody>
<tr>
<td>ART 111</td>
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<td>ART 215</td>
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### Highly Recommended

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<td>3-4</td>
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<tr>
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<td>History Of Art, Renaissance To Modern, Honors</td>
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<tr>
<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
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<td>ART 140</td>
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<td>ART 141</td>
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<td>ART 215</td>
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<tr>
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<td>Units</td>
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142 Studio Arts, Associate in Arts for Transfer (AA-T)

Select three courses from the following: 9-10.6

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<tr>
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<tr>
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<tr>
<td>or ART 122</td>
<td>Advanced Drawing</td>
</tr>
<tr>
<td>or ART 123</td>
<td>Figure and Portrait Drawing</td>
</tr>
<tr>
<td>or ART 127</td>
<td>Landscape Drawing</td>
</tr>
<tr>
<td>ART 124A</td>
<td>Classical Animation I</td>
</tr>
<tr>
<td>ART 124B</td>
<td>Classical Animation II</td>
</tr>
<tr>
<td>ART 130</td>
<td>Integrated Drawing and Painting</td>
</tr>
<tr>
<td>or ART 131</td>
<td>Fundamentals Of Oil Painting</td>
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<tr>
<td>or ART 132</td>
<td>Fundamentals Of Oil Painting</td>
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<tr>
<td>ART 133</td>
<td>Intermediate Painting</td>
</tr>
<tr>
<td>ART 134</td>
<td>Theory and Application in Painting</td>
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<tr>
<td>ART 135</td>
<td>Figure and Portrait Painting</td>
</tr>
<tr>
<td>ART 150</td>
<td>Fundamentals Of Ceramics</td>
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<tr>
<td>ART 151</td>
<td>Intermediate Ceramics</td>
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<tr>
<td>ART 152</td>
<td>Advanced Ceramics</td>
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<td>ART 154</td>
<td>Ceramic Sculpture</td>
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<td>ART 170</td>
<td>Introduction To Sculpture</td>
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<tr>
<td>ART 171</td>
<td>Intermediate Sculpture</td>
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<tr>
<td>ART 172</td>
<td>Advanced Sculpture</td>
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<tr>
<td>ART 190</td>
<td>Introduction to Printmaking</td>
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<tr>
<td>ART 191</td>
<td>Intermediate Printmaking</td>
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<td>ART 192</td>
<td>Advanced Printmaking</td>
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<tr>
<td>ART 193</td>
<td>Beginning Printmaking: Silkscreen</td>
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<tr>
<td>ART 194</td>
<td>Intermediate Printmaking: Silkscreen</td>
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<tr>
<td>CS 101</td>
<td>Computer Concepts</td>
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<td>DRFT 124</td>
<td>Architectural Rendering I</td>
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<tr>
<td>DRFT 125</td>
<td>Architectural Rendering II</td>
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<tr>
<td>FP 181</td>
<td>Production Sound for Film and Television</td>
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<tr>
<td>FP 275</td>
<td>Production II: Narrative Filmmaking</td>
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<td>GDP 113</td>
<td>Typography</td>
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<td>GDP 114</td>
<td>Graphic Design I</td>
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<tr>
<td>GDP 212</td>
<td>Graphic Design II</td>
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<tr>
<td>ID 101</td>
<td>Space Planning And Lighting</td>
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<td>MAT 112</td>
<td>Digital Drawing</td>
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<tr>
<td>MAT 136</td>
<td>Computer Animation I</td>
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<tr>
<td>MAT 137</td>
<td>Visual Effects for Film, Television and Gaming</td>
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<tr>
<td>MAT 138</td>
<td>3-D Character Animation</td>
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<td>MAT 139</td>
<td>3-D Lighting And Rendering</td>
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<tr>
<td>MAT 153</td>
<td>Web Design I</td>
</tr>
<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
</tr>
<tr>
<td>PHOT 209</td>
<td>Photo II</td>
</tr>
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</table>

Total Units 24.00-26.60

These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for IGETC and CSU GE Breadth requirements.

CSU Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit assist.org (http://www.assist.org)).

Additional Graduation Requirements for AA-T in Studio Arts

1. Maintain a cumulative CSU-transferable GPA of 2.0.
2. Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements

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1. Complete all department requirements 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.
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3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
AUTOMOTIVE SERVICE AND TECHNOLOGY

Program Description

The automotive industry has long recognized the need for skilled, highly trained service technicians. The consumer movement has turned that need into a demand. Today’s automobile is a sophisticated, complex machine which requires skilled technicians to keep it running smoothly.

Santa Barbara City College offers two programs in Automotive Service and Technology. It also offers updated auto skills, retraining and entry-level job courses, all offered for lifelong careers with good pay and working conditions and a chance to advance in the exciting high-tech automotive industry.

The Automotive program has been certified by the National Institute for Automotive Service Excellence (ASE) as a “Master” training institution, having met strict industry standards in all eight of the automotive specialty areas. The eight areas of ASE specialization are Engine Repair, Engine Performance, Heating and Air Conditioning, Electrical Systems, Automatic Transmissions, Manual Transmission and Axle, Brakes and Front End.

Program Cost and Outcome

For planning purposes, the webpage 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/Automotive%20Service%20and%20Technology.htm.

Programs of Study

Credit Programs

• Automotive Service and Technology, Associate in Science (AS) (p. 143)
• Automotive Service and Technology, Certificate of Achievement (C) (p. 144)

Automotive Service and Technology, Associate in Science (AS)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<td>Fundamentals Of Automotive Servicing</td>
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<tr>
<td>AUTO 111</td>
<td>Engine Rebuilding</td>
<td>7</td>
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<tr>
<td>AUTO 112</td>
<td>Brakes, Suspension And Steering</td>
<td>4.6</td>
</tr>
<tr>
<td>AUTO 113</td>
<td>Automotive Fuel And Air Conditioning Systems</td>
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<tr>
<td>AUTO 114</td>
<td>Automotive Power Train</td>
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<td>AUTO 115</td>
<td>Automotive Electricity</td>
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<tr>
<td>AUTO 116</td>
<td>Engine Performance</td>
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Recommended Electives

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<td>AUTO 102</td>
<td>Basic Car Care, Maintenance and Repair</td>
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<tr>
<td>AUTO 217</td>
<td>Automotive Specialty I</td>
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<tr>
<td>AUTO 218</td>
<td>Automotive Specialty II</td>
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</tr>
<tr>
<td>AUTO 290</td>
<td>Work Experience In Automotive Service And Technology</td>
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Total Units 43.20

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

Sample Program of Study: AS Degree (Two Years)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO 101</td>
<td>Introduction To Auto Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 111</td>
<td>Engine Rebuilding</td>
<td>7</td>
</tr>
<tr>
<td>MATH 095</td>
<td>Elementary Algebra (or higher)</td>
<td>5</td>
</tr>
<tr>
<td>ENG 110 &amp; ENG 120 or ENG 110H</td>
<td>Composition and Reading or Composition And Reading, Honors</td>
<td>4</td>
</tr>
<tr>
<td>Units</td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO 110</td>
<td>Fundamentals Of Automotive Servicing</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 114 or AUTO 115</td>
<td>Automotive Power Train or Automotive Electricity</td>
<td>7</td>
</tr>
<tr>
<td>Lab Science 1</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>Oral Communication 1</td>
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<td>3</td>
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</table>
### Physical Education

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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</tbody>
</table>

#### Second Year

**Fall Semester**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 113</td>
<td>Automotive Fuel And Air Conditioning Systems</td>
<td>4.6</td>
</tr>
<tr>
<td>or AUTO 112</td>
<td>or Brakes, Suspension And Steering</td>
<td></td>
</tr>
<tr>
<td>AUTO 116</td>
<td>Engine Performance</td>
<td>7</td>
</tr>
<tr>
<td>History or Political Science</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Physical Education</td>
<td></td>
<td>1</td>
</tr>
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<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
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**Spring Semester**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 113</td>
<td>Automotive Fuel And Air Conditioning Systems</td>
<td>4.6</td>
</tr>
<tr>
<td>or AUTO 112</td>
<td>or Brakes, Suspension And Steering</td>
<td></td>
</tr>
<tr>
<td>AUTO 114</td>
<td>Automotive Power Train</td>
<td>7</td>
</tr>
<tr>
<td>or AUTO 115</td>
<td>or Automotive Electricity</td>
<td></td>
</tr>
<tr>
<td>Humanities/Multicultural</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.60</td>
</tr>
</tbody>
</table>

### Total Units

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>69.20-71.20</td>
</tr>
</tbody>
</table>

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)

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>AUTO 101</td>
<td>Introduction To Auto Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 110</td>
<td>Fundamentals Of Automotive Servicing</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 111</td>
<td>Engine Rebuilding</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 112</td>
<td>Brakes, Suspension And Steering</td>
<td>4.6</td>
</tr>
<tr>
<td>AUTO 113</td>
<td>Automotive Fuel And Air Conditioning Systems</td>
<td>4.6</td>
</tr>
<tr>
<td>AUTO 114</td>
<td>Automotive Power Train</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 115</td>
<td>Automotive Electricity</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 116</td>
<td>Engine Performance</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td><strong>Recommended Electives</strong></td>
<td></td>
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</tbody>
</table>

| AUTO 102 | Basic Car Care, Maintenance and Repair                      |       |
| AUTO 217 | Automotive Specialty I                                     |       |
| AUTO 218 | Automotive Specialty II                                    |       |
| AUTO 290 | Work Experience In Automotive Service And Technology        |       |

<table>
<thead>
<tr>
<th>Total Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>43.20</td>
</tr>
</tbody>
</table>

Complete each required course with a minimum grade of “C”.

1. AUTO 113 and AUTO 114 are only offered in the fall semester.
2. AUTO 112 and AUTO 115 are only offered in the spring semester.

### 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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

### Sample Program of Study: Certificate (One Year)

#### First Year

**Fall Semester**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Introduction To Auto Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 110</td>
<td>Fundamentals Of Automotive Servicing</td>
<td>3</td>
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<tr>
<td>AUTO 111</td>
<td>Engine Rebuilding</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 112</td>
<td>Brakes, Suspension And Steering</td>
<td>4.6</td>
</tr>
<tr>
<td>AUTO 113</td>
<td>Automotive Fuel And Air Conditioning Systems</td>
<td>4.6</td>
</tr>
<tr>
<td>AUTO 114</td>
<td>Automotive Power Train</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 115</td>
<td>Automotive Electricity</td>
<td>7</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-18</td>
</tr>
</tbody>
</table>

**Spring Semester**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 113</td>
<td>Automotive Fuel And Air Conditioning Systems</td>
<td>4.6</td>
</tr>
<tr>
<td>or AUTO 112</td>
<td>or Brakes, Suspension And Steering</td>
<td></td>
</tr>
<tr>
<td>AUTO 116</td>
<td>Engine Performance</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 290</td>
<td>Work Experience In Automotive Service And Technology</td>
<td>2-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.60</td>
</tr>
</tbody>
</table>

## Complete Each Required Course with a Minimum Grade of “C”.

1. AUTO 113 and AUTO 114 are only offered in the fall semester.
2. AUTO 112 and AUTO 115 are only offered in the spring semester.

### 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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

### Sample Program of Study: Certificate (One Year)

#### First Year

**Fall Semester**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Introduction To Auto Mechanics</td>
<td>3</td>
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<tr>
<td>AUTO 110</td>
<td>Fundamentals Of Automotive Servicing</td>
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<tr>
<td>AUTO 111</td>
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<td>7</td>
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<td>Brakes, Suspension And Steering</td>
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<tr>
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<td>Automotive Power Train</td>
<td>7</td>
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<tr>
<td>AUTO 115</td>
<td>Automotive Electricity</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 290</td>
<td>Work Experience In Automotive Service And Technology</td>
<td>2-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-18</td>
</tr>
</tbody>
</table>

**Spring Semester**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 113</td>
<td>Automotive Fuel And Air Conditioning Systems</td>
<td>4.6</td>
</tr>
<tr>
<td>or AUTO 112</td>
<td>or Brakes, Suspension And Steering</td>
<td></td>
</tr>
<tr>
<td>AUTO 116</td>
<td>Engine Performance</td>
<td>7</td>
</tr>
<tr>
<td>AUTO 290</td>
<td>Work Experience In Automotive Service And Technology</td>
<td>2-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.60</td>
</tr>
</tbody>
</table>

## Complete Each Required Course with a Minimum Grade of “C”.

1. AUTO 113 and AUTO 114 are only offered in the fall semester.
2. AUTO 112 and AUTO 115 are only offered in the spring semester.

### 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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 290</td>
<td>Work Experience In Automotive Service And Technology</td>
<td>2-4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Units</th>
<th>Total Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Units</td>
<td>15.60-18.60</td>
<td>49.20-54.20</td>
</tr>
</tbody>
</table>

1. AUTO 114 Automotive Power Train (Fall Semester), AUTO 115 Automotive Electricity (Spring Semester)
BIOLOGICAL SCIENCES

The Biological Sciences curriculum provides the foundation for our majors: Biological Sciences, Bio-Medical Sciences and Natural History. Our two-year Associate in Arts Degrees are designed to provide the knowledge and skills for success before and after transfer to a four-year institution. Students who complete specialized one-year programs of study in Bio-Medical Sciences, Marine Science and Natural History can earn Biological Sciences Departmental Awards.

Our Biological Sciences Associate in Arts Degree provides preparation for transfer in such areas as Biochemistry, Molecular Biology, Pharmacology, Cell Biology, Ecology, Marine Biology, Botany, Zoology, Medical Technology and Pre-Medicine.

The Bio-Medical Sciences Emphasis: Associate in Arts Degree in Liberal Arts provides a strong foundation for students interested in pursuing a career in the health sciences.

The Natural History Associate in Arts Degree provides preparation for transfer in such areas as Natural History, Freshwater and Marine Fisheries and Wildlife Management. The Natural History A.A. can be completed fully online.

We offer specialized and general courses for all students, and support courses for medical technology and health services; recreation and nature interpretation; environmental studies; marine diving technology; and sports medicine. Many courses of a more general nature allow students to fulfill General Education and graduation requirements in Natural Sciences, while developing a biological perspective.

Our courses utilize advanced technology to deliver information to students, while retaining the tradition of personalized instruction and small class sizes. Computers at every lab bench, a 30-station computer classroom and a seamless network with wireless access facilitates student learning through the use of computer tools and information from any Biological Sciences classroom, laboratory and tutor room.

Online instruction carries this concept off campus to our students in Santa Barbara and worldwide, through more than 12 fully online classes, as well as many hybrid courses where the lecture is online and the lab is on campus. The excitement of beginning a path to a meaningful profession in biology is enhanced by a completely integrated system for acquiring information from instructors who love biology and teaching.

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.

For more information on the department, visit http://www.sbcc.edu/biologicalsciences/

Honors Certificate of Achievement: Sciences

See “Honors Program (p. 256)” in the Catalog.

Planning a Program of Study for Transfer

Special problems confront the student planning to transfer to a four-year college or university. Both General Education and major requirements differ from one institution to another and within a single institution by major emphasis. These differences, plus personal, educational and professional goals, employment and prior preparation, will influence the courses you take. You should work closely with one of the Biological Sciences Faculty Advisers, Eric Wise (EBS-305, ext. 2517) and Blakely Barron (EBS-322, ext. 2444), to plan your program of study at SBCC.

General Education

It is very important for biology majors to complete the preparation in the major even if it means delaying some General Education/IGETC requirements. The science curriculum is sequential, controlled by prerequisites; you do not want to be in the position of taking freshman science classes as a junior.

Preparation in the Major

Since biology courses are built upon a base of mathematics and the physical sciences, it is important for biology students to begin these courses early so that they may be completed before transfer. The areas of highest concern are Mathematics, Chemistry, Physics and preparation in Biology. Students who must make up deficiencies should do so as early as possible.

Mathematics

Statistics is more widely applicable in biology than is calculus, yet most institutions require calculus because of its utility in rate-oriented biology. You should attempt to complete Elementary Statistics (MATH 117 Elementary Statistics) and a calculus sequence (MATH 130 Calculus for Biological Sciences, Social Sciences and Business I-MATH 131 Calculus For Biological Sciences, Social Sciences And Business II or MATH 150 Calculus with Analytic Geometry I-MATH 160 Calculus With Analytic Geometry II) prior to transfer. If you are not eligible for these courses based on your placement exam scores, immediately enter the mathematics sequence at the recommended course level.

Chemistry

It is difficult to understand modern biology without at least an introduction to organic chemistry. Students without prior chemistry background and/or mathematics deficiencies may need to take CHEM 101 Introductory Chemistry and appropriate mathematics courses before beginning the General and Organic Chemistry sequence (CHEM 155 General Chemistry I, CHEM 156 General Chemistry II, CHEM 211 Organic Chemistry I-CHEM 221 Organic Chemistry Laboratory I, CHEM 212 Organic Chemistry II-CHEM 222 Organic Chemistry Laboratory II). Note: however, that some universities require upper division organic chemistry. If so, complete organic chemistry after transfer.

Physics

There are three physics sequences for biology majors. General Physics (PHYS 105 General Physics-PHYS 106 General Physics) requires algebra and trigonometry. PHYS 110 Introductory Physics-PHYS 111 Introductory Physics and PHYS 121 Mechanics Of Solids And Fluids-PHYS 122 Electricity and Magnetism-PHYS 123 Heat, Light and Modern Physics require calculus. Again, colleges and universities differ as to their physics requirements. Many require calculus-based physics.

Biology

SBCC has one of the strongest programs for preparation in three biology majors: Biological Sciences, Bio-Medical Sciences and Natural History. In addition to the biology major core sequence, BIOL 101 Plant Biology, BIOL 102 Animal Biology, BIOL 103 Cell Biology, BIOL 104 Molecular
Biology and BIOL 105 Molecular Biology Laboratory, biology students may choose from a wide range of courses to add depth and diversity to match their goals and interests. Four-year colleges and universities have different core sequences; to assure compatibility of your course selection and transfer institutions, contact the Counseling Center (Student Services, Room 120).

Declaring a Biology Major

If you have decided to major in biology, or you are not sure but are strongly considering it, declare a biology major. Declaring your major protects you from changes of departmental requirements. You will be able to follow either the rules in effect at the time you declared your major, or the rules as later changed. Further, by declaring a biology major you meet one of the requirements for scholarships offered by the Biological Sciences Department.

You may declare a biology major at the time you register at SBCC. Any time thereafter, you may declare a biology major or change your major by filing a “Change of Major” form at the Office of Admissions & Records or online through Pipeline.

Associate in Arts Degree

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.

Departmental Awards

Students who have successfully completed a defined program of study in the areas of bio-medical sciences, marine science and natural history earn Biological Sciences Departmental Awards. Each program of study can be completed in one year. There are neither college requirements nor General Education requirements that need be taken.

Complete descriptions of Departmental Awards requirements are available from the Biological Sciences Department office.

Advising

Students pursuing Departmental Awards are encouraged to identify themselves to the appropriate adviser to formulate a program of study.

Bio-Medical Sciences: Heather J. Rose

Environmental Studies: Adam Green

Marine Science: Michelle Paddack

Natural History: Larry Jon Friesen

Honors and Awards

Outstanding Student Awards

Each year one student may be selected “Outstanding Student” in Biological Sciences, Bio-Medical Sciences, Botany, Cell, Molecular, Natural History, Marine Science, Zoology and some other courses. Selections are made by the Biological Sciences Department faculty. Selections are based solely on academic excellence and applications by students are not required.

Robert J. Profant Memorial Scholarship

Established in 1991 in honor of the late Professor Profant’s long and dedicated career, and awarded once each year, the Robert J. Profant Scholarship recognizes an outstanding student majoring in biology. Students are recommended to the department by faculty or may apply through the Financial Aid Office.

To qualify for a scholarship award, a student must be a declared biology major (Biological Sciences or Natural History), enrolled in a course offered by the Biological Sciences Department during the academic year of application, and have a 3.5 GPA in courses from the sciences and mathematics.

William Olivarius Scholarships

In 1982, a generous endowment from the late William Olivarius enabled the Biological Sciences Department to offer scholarships to students majoring in biology. Several scholarships are awarded each year on the basis of academic excellence.

To qualify for a scholarship award, a student must be a declared biology major (Biological Sciences, Biotechnology or Natural History), be enrolled in a minimum of 12 units each semester of the award year, and have a minimum overall grade point average of 3.0. All students with exceptional overall GPAs are encouraged to apply. Applications and faculty nominations are due at the end of the first week of February.

Richard Armstrong Memorial Scholarship

Richard Armstrong is warmly remembered as a dedicated scientist and SBCC professor who taught in the Biological Sciences Department for three decades. He passed away in the Spring 2005 semester and is honored by his family, friends and colleagues with this scholarship.

Eligible students must demonstrate academic excellence and a passion for biology. They must have declared a major in one of the Biological Sciences and have completed at least 12 units of the biology majors sequence of courses, preferably (but not limited to) the following courses: BIOL 101 Plant Biology, BIOL 102 Animal Biology, BIOL 103 Cell Biology, and BIOL 104 Molecular Biology and CHEM 155 General Chemistry I, CHEM 156 General Chemistry II. They may be either continuing their studies at SBCC (with a clear intent of pursuing an advanced degree) or transferring to a 4-year institution as a biology major.

Microbiology Achievement Award

The Microbiology Achievement Award is an endowed gift administered jointly by the Biological Sciences Department and the Santa Barbara City College Foundation. The award is meant as a special recognition to the student who demonstrated superior academic achievement in the field of microbiology, as well as in true academic tradition, exhibited outstanding class leadership and provided strong support to classmates.

Dr. Judith Evans Meyer Memorial Scholarship for the Bio-Medical Sciences

Award is based equally on financial need and academic achievement. Applicants must have earned a passing grade in at least one (1) SBCC Bio-Medical Science course and either be currently enrolled or have successfully completed one (1) other Bio-Medical Science course within the past two (2) college terms (including summer sessions). Applicants may be entering, continuing, re-entering or transferring to a four-year institution. During the award period they must be enrolled in a minimum of six (6) units maintain a minimum 3.0 GPA.
David W. Doner, Jr., M.D. Scholarship
This award is made possible by the generous gift of David W. Doner, Jr., M.D. Dr. Doner practiced medicine for forty years and taught medical residents and students at Boston University, Tufts University and Santa Barbara Cottage Hospital as an active faculty mentor. He endowed a scholarship fund for the Biological Sciences Department and the School of Nursing at Santa Barbara City College, specifically for pre-medical science and allied health majors.

Special Programs and Courses
291 – Seminars in the Biological Sciences
The 291 series in Biological Sciences is designed to provide students the opportunity to investigate areas outside the regular course offerings. The topics are selected on the basis of faculty and student interest. Students are urged to suggest topics to the department.

295/298/299 – Internship and Independent Studies
This series offers opportunities to students with particular skills or interests to receive credit for internship (295), independent reading (298) or research (299). You may enroll in Internship and Independent Studies at any time during the semester. You must secure a faculty sponsor and file an Independent Studies proposal with the Biological Sciences Office and the Office of Admissions & Records.

Student Employment Opportunities
Each semester the Biological Sciences Department hires students as laboratory and museum assistants, collectors, tutors and readers. Students may apply for one of these positions at the Biological Sciences Offices (EBS-212). The greatest number of positions is available at the beginning of the school year. Students are encouraged to file an application during the prior spring semester or during the summer to have the best chance for employment beginning in the fall.

Student laboratory and museum assistants gain experience in laboratory and museum techniques under the supervision of Biological Sciences faculty and laboratory technicians. Museum assistants and collectors collect, accession and preserve botanical and animal specimens for use in classes and work on a variety of departmental projects.

Students who have performed well in a course and who demonstrate interest and ability in teaching are selected by the faculty as readers or to tutor students currently enrolled in the course. The purpose of this program is twofold: current students in the course receive excellent peer tutoring; and tutors learn the techniques of teaching. Tutors also find that to teach is to learn.

Programs of Study
Credit Programs
- Biological Sciences, Associate in Arts (AA) (p. 148)
- Biological Sciences, Associate in Science for Transfer (AS-T) (p. 149)
- Liberal Arts, Associate in Arts (AA): Bio-Medical Sciences Emphasis (p. 150)
- Natural History, Associate in Arts (AA) (p. 152)
- Bio-Medical Sciences, Departmental Award (D) (p. 148)
- Marine Science, Departmental Award (D) (p. 152)
- Natural History, Departmental Award (D) (p. 154)

- Bio-Medical Sciences, Departmental Award (D)

Requirements
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.

<table>
<thead>
<tr>
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<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BMS 107</td>
<td>Human Anatomy</td>
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</tr>
<tr>
<td>BMS 108</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BMS 127</td>
<td>Medical Microbiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives
Select 18 units of electives from an approved listing of courses in biology, anthropology, art, chemistry, physical/health education, recreation and human biology

Total Units 30.00

A student must complete each of the courses in the Approved Program of Study with a grade of “C” or better.

Biological Sciences, Associate in Arts (AA)
Requirements
The Biological Sciences major is designed to provide a strong foundation for students interested in life’s structures and functions from perspectives of molecules and cells, organisms and populations, and ecology and evolution.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101</td>
<td>Plant Biology</td>
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</tr>
<tr>
<td>BIOL 102</td>
<td>Animal Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 103</td>
<td>Cell Biology</td>
<td>5.5</td>
</tr>
<tr>
<td>BIOL 104</td>
<td>Molecular Biology 1</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 156</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Units 28.50

1 BIOL 105 Molecular Biology Laboratory, Molecular Biology Laboratory, strongly recommended. BIOL 104 Molecular Biology satisfies SBCC GE area A if taken with BIOL 105 Molecular Biology Laboratory.

Recommended for Transfer
These additional courses should be considered when planning a program of study for transfer as a biology major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 105</td>
<td>Molecular Biology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 211</td>
<td>Organic Chemistry I</td>
<td>5.3</td>
</tr>
<tr>
<td>&amp; CHEM 221</td>
<td>and Organic Chemistry Laboratory</td>
<td>5.3</td>
</tr>
</tbody>
</table>
CHEM 212 & CHEM 222 Organic Chemistry II and Organic Chemistry Laboratory II 5.5
MATH 117 or MATH 117H Elementary Statistics 4

Select one sequence from the following:

MATH 130 Calculus for Biological Sciences, Social Sciences and Business I
& MATH 131 and Calculus For Biological Sciences, Social Sciences And Business II

Select one sequence from the following:

PHYS 105 General Physics
& PHYS 106 and General Physics
PHYS 110 Introductory Physics
& PHYS 111 and Introductory Physics
PHYS 121 Mechanics Of Solids And Fluids
& PHYS 122 and Electricity and Magnetism
& PHYS 123 and Heat, Light and Modern Physics

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Recommended Sequence

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 102</td>
<td>Animal Biology</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 156</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus For Biological Sciences, Social Sciences and Business I</td>
<td>3</td>
</tr>
<tr>
<td>or MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td></td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition or Through Literature</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 111H</td>
<td>Through Literature, Honors</td>
<td></td>
</tr>
</tbody>
</table>

Spring Semester

Units 16

Second Year

Fall Semester

BIOL 103 Cell Biology 5.5
CHEM 212 Organic Chemistry I 5.3
& CHEM 222 and Organic Chemistry Laboratory I 5.5
PHYS 110 Introductory Physics 4
PHYS 111 American Government And Politics 3

Units 18.50

Total Units 69.30

1 Recommended for students planning to transfer.

Biology, Associate in Science for Transfer (AS-T) Requirements

The Biological Sciences major is designed to provide a strong foundation for students interested in life’s structures and functions from perspectives of molecules and cells, organisms and populations, and ecology and evolution.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 101</td>
<td>Plant Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 102</td>
<td>Animal Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 103</td>
<td>Cell Biology</td>
<td>5.5</td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 156</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 130</td>
<td>Calculus for Biological Sciences, Social Sciences and Business I</td>
<td></td>
</tr>
<tr>
<td>PHYS 105</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>or PHYS 110</td>
<td>Introductory Physics</td>
<td></td>
</tr>
<tr>
<td>PHYS 106</td>
<td>General Physics</td>
<td>4</td>
</tr>
</tbody>
</table>

Units 17
or PHYS 111  Introductory Physics

Total Units 37.50

1 These courses fulfill an IGETC requirement. Visit www.assist.org or http://articulation.sbcc.edu for a complete list of IGETC requirements.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Liberal Arts, Associate in Arts (AA): Bio-Medical Sciences Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMS 107</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BMS 108</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BMS 127</td>
<td>Medical Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>or BMS 157</td>
<td>General Microbiology</td>
<td></td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 101</td>
<td>Introductory Chemistry</td>
<td>4-5</td>
</tr>
<tr>
<td>CHEM 104</td>
<td>Fundamentals Of General, Organic And Biological Chemistry</td>
<td></td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry</td>
<td></td>
</tr>
</tbody>
</table>

Bio-Medical Sciences Electives

Select 13 units from the Bio-Medical Sciences Electives list

Total Units 29.00-30.00

Bio-Medical Sciences Electives

Bio-Medical Sciences electives should be carefully selected 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 120</td>
<td>Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>ANTH 101</td>
<td>Physical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 104</td>
<td>Language and Culture</td>
<td>3</td>
</tr>
<tr>
<td>ART 122</td>
<td>Advanced Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 123</td>
<td>Figure and Portrait Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 135</td>
<td>Figure and Portrait Painting</td>
<td>3.3</td>
</tr>
<tr>
<td>BIOL 100</td>
<td>Concepts Of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 101</td>
<td>Plant Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 102</td>
<td>Animal Biology</td>
<td>5</td>
</tr>
<tr>
<td>BIOL 103</td>
<td>Cell Biology</td>
<td>5.5</td>
</tr>
<tr>
<td>BIOL 104</td>
<td>Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 105</td>
<td>Molecular Biology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 110H</td>
<td>Natural Science, Honors</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>Evolution And Adaptation</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 116</td>
<td>Biological Illustration</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Natural History</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 140</td>
<td>Principles Of Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 141</td>
<td>Biology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 291</td>
<td>Seminars In Biology</td>
<td>2</td>
</tr>
<tr>
<td>BMS 118</td>
<td>Human Microanatomy</td>
<td>3</td>
</tr>
<tr>
<td>BMS 119C</td>
<td>Human Dissection of the Torso</td>
<td>1</td>
</tr>
<tr>
<td>BMS 128</td>
<td>Human Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>MATH 110</td>
<td>Calculus With Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>PE 200</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 204</td>
<td>History And Philosophy Of The Great Ideas Of Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHSC 103</td>
<td>The Physical Universe</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Conceptual Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 101L</td>
<td>Conceptual Physics Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 102</td>
<td>Introductory Physics For Science Majors</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>General Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 106</td>
<td>General Physics</td>
<td>2</td>
</tr>
<tr>
<td>PHYS 110</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 111</td>
<td>Introductory Physics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100H</td>
<td>General Psychology, Honors</td>
<td>4</td>
</tr>
<tr>
<td>PSY 105</td>
<td>Applied Behavior Analysis</td>
<td>2</td>
</tr>
<tr>
<td>PSY 110</td>
<td>Introduction to Physiological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 115</td>
<td>Psychology Of Health And Effective Behavior</td>
<td>3</td>
</tr>
<tr>
<td>PSY 120</td>
<td>Introduction To Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 125</td>
<td>Psychology Of Human Sexuality</td>
<td>4</td>
</tr>
<tr>
<td>PSY 130</td>
<td>Personality Dynamics And Effective Behavior</td>
<td>4</td>
</tr>
<tr>
<td>PSY 140</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 145</td>
<td>Human Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
<td>4</td>
</tr>
<tr>
<td>PSY 170</td>
<td>Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 175</td>
<td>Social Psychology: Psychological Perspective</td>
<td>4</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101H</td>
<td>Introduction To Sociology, Honors</td>
<td>4</td>
</tr>
<tr>
<td>SOC 103</td>
<td>Marriage, Family and Intimacy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 104</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 106</td>
<td>Sociology of Deviance</td>
<td>3</td>
</tr>
<tr>
<td>SOC 109</td>
<td>Social Problems</td>
<td>3</td>
</tr>
<tr>
<td>SOC 113</td>
<td>Sociology Of Sex and Gender</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 110</td>
<td>Animal Physiology</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 122</td>
<td>Animal Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 123</td>
<td>Animal Diversity Laboratory</td>
<td>3</td>
</tr>
<tr>
<td>ZOOL 140</td>
<td>Animal Behavior</td>
<td>3</td>
</tr>
</tbody>
</table>

1 Satisfies SBCC GE Areas B and E5.
2 Satisfies SBCC GE Area A.
3 Satisfies SBCC GE Area A only if lecture and lab are combined.
4 Satisfies SBCC GE Area B.
5 Satisfies SBCC GE Areas D2 and E4.
6 Satisfies SBCC GE Area E3 when combined with 1 unit of Physical Education activity.
7 Satisfies SBCC GE Areas D2 and E1.
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Marine Science, Departmental Award (D)

Requirements

The Marine Science Departmental 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 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. You 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>First Year</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Fall Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 124</td>
<td>Biological Oceanography</td>
<td>4</td>
</tr>
<tr>
<td>ERTH 152</td>
<td>Weather and Climate 1</td>
<td>3</td>
</tr>
<tr>
<td>or GEOG 152</td>
<td>or Weather and Climate</td>
<td></td>
</tr>
<tr>
<td>MDT 108</td>
<td>Rigging</td>
<td>1</td>
</tr>
<tr>
<td>MDT 109</td>
<td>Seamanship and Small Boat Handling</td>
<td>1.5</td>
</tr>
<tr>
<td>HE 103</td>
<td>Responding to Medical Emergencies</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Units</strong></td>
<td>12.50</td>
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<tr>
<td></td>
<td><strong>Spring Semester</strong></td>
<td></td>
</tr>
<tr>
<td>BIOL 125</td>
<td>Marine Biology 1</td>
<td>4</td>
</tr>
<tr>
<td>MDT 101</td>
<td>Information and Introduction to Marine Diving Technology</td>
<td>0.3</td>
</tr>
<tr>
<td>ERTH 151 &amp; 151L</td>
<td>Introductory Physical Oceanography Laboratory</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Plus completion of Basic Scuba Diving Certificate</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Units</strong></td>
<td>8.30</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>20.80</td>
</tr>
</tbody>
</table>

1. **Substitutions:** 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 completion of BIOL 142 Marine Science can be substituted for BIOL 124 Biological Oceanography.

A student must complete each of the required courses (or use substitution options) with a grade of “C” or better.

Natural History, Associate in Arts (AA)

Requirements

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 and environmental biology.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Requirements</td>
<td>Select one course from the following:</td>
<td>3-4</td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 110H</td>
<td>Natural Science, Honors</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Natural History</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 140</td>
<td>Principles Of Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 112</td>
<td>Evolution And Adaptation</td>
<td>3</td>
</tr>
<tr>
<td>or BIOL 150</td>
<td>Biodiversity</td>
<td></td>
</tr>
<tr>
<td>BIOL 122</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 123</td>
<td>Ecology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 144</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>or ERTH 141/GEOG 101</td>
<td>Physical Geography</td>
<td></td>
</tr>
<tr>
<td>BOT 121</td>
<td>Plant Diversity</td>
<td>1</td>
</tr>
<tr>
<td>ZOOL 122</td>
<td>Animal Diversity</td>
<td>2, 3</td>
</tr>
<tr>
<td>Natural History Electives</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>29.00-30.00</td>
</tr>
</tbody>
</table>

1. BIOL 101 Plant Biology may substitute for BOT 121 Plant Diversity
2. BIOL 102 Animal Biology may substitute for ZOOL 122 Animal Diversity + ZOOL 123 Animal Diversity Laboratory
3. ZOOL 123 Animal Diversity Laboratory recommended
4. In addition, 9 units of elective credit, selected in consultation with the Natural History Faculty Adviser, are required to complete the major field requirements.

**Selection of Natural History Electives**

Students may choose Natural History elective courses from the areas of Anthropology, Art, Biology, Bio-Medical Sciences, Botany, Chemistry, Earth and Planetary Sciences (Geology), Environmental Studies, Mathematics, Physics and Zoology.

Students intending to transfer with an AA Degree in Natural History should include introductory courses in general and organic chemistry, physics and statistics. *Natural History electives must be selected in consultation with the Natural History Faculty Adviser and should be made carefully to avoid problems with departmental approval and transfer.*

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**Recommended Sequence**

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

The following sample program illustrates a course sequence that emphasizes general Natural History. This program will satisfy department and college requirements for graduation with an AA Degree and includes elective courses to meet departmental requirements of many four-year colleges and universities.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 122</td>
<td>Ecology</td>
<td>4</td>
</tr>
<tr>
<td>&amp; BIOL 123</td>
<td>and Ecology Laboratory 1</td>
<td></td>
</tr>
<tr>
<td>BIOL 144</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I 2</td>
<td>5</td>
</tr>
<tr>
<td>ENG 110</td>
<td>Composition and Reading 1</td>
<td>3</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Natural History</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 122</td>
<td>Animal Diversity</td>
<td>4</td>
</tr>
<tr>
<td>&amp; ZOOL 123</td>
<td>and Animal Diversity Laboratory 1, 2</td>
<td></td>
</tr>
<tr>
<td>CHEM 156</td>
<td>General Chemistry II 2</td>
<td>5</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature 1</td>
<td></td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>16</td>
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<tr>
<td><strong>Second Year</strong></td>
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<td></td>
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<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 112</td>
<td>Evolution And Adaptation 1</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 140</td>
<td>Principles Of Biology</td>
<td>5</td>
</tr>
<tr>
<td>&amp; BIOL 141</td>
<td>and Biology Laboratory 1, 2</td>
<td></td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics 1</td>
<td>4</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American Government And Politics 1</td>
<td>3</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 142</td>
<td>Marine Science 1, 2</td>
<td>3</td>
</tr>
<tr>
<td>BOT 121</td>
<td>Plant Diversity</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 137</td>
<td>Ornithology 1, 2</td>
<td>3</td>
</tr>
<tr>
<td>ART 215</td>
<td>Survey Of Non-Western Art 1</td>
<td>3</td>
</tr>
<tr>
<td>COMM 121</td>
<td>Interpersonal Communication 1</td>
<td>3</td>
</tr>
<tr>
<td><strong>Units</strong></td>
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<td>16</td>
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<tr>
<td><strong>Total Units</strong></td>
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<td>62</td>
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</table>

1. Available online
2. Natural History Electives must be selected in consultation with the Natural History Faculty Adviser.
## Natural History, Departmental Award (D)

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>BIOL 110</td>
<td>Natural Science</td>
<td></td>
</tr>
<tr>
<td>BIOL 110H</td>
<td>Natural Science, Honors</td>
<td></td>
</tr>
<tr>
<td>BIOL 120</td>
<td>Natural History</td>
<td></td>
</tr>
<tr>
<td>BIOL 140</td>
<td>Principles Of Biology</td>
<td></td>
</tr>
<tr>
<td>BIOL 112</td>
<td>Evolution And Adaptation</td>
<td>3</td>
</tr>
<tr>
<td>or BIOL 150</td>
<td>Biodiversity</td>
<td></td>
</tr>
<tr>
<td>BIOL 122</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 123</td>
<td>Ecology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 144</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>or ERTH 141/ GEG 101</td>
<td>Physical Geography</td>
<td></td>
</tr>
<tr>
<td>BOT 121</td>
<td>Plant Diversity 1</td>
<td>4</td>
</tr>
<tr>
<td>ZOOL 122</td>
<td>Animal Diversity 2, 3</td>
<td>3</td>
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<tr>
<td>Natural History Electives 4</td>
<td>9</td>
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</tr>
<tr>
<td><strong>Total Units</strong></td>
<td>29.00-30.00</td>
<td></td>
</tr>
</tbody>
</table>

1. BIOL 101 Plant Biology may substitute for BOT 121 Plant Diversity
2. BIOL 102 Animal Biology may substitute for ZOOL 122 Animal Diversity + ZOOL 123 Animal Diversity Laboratory
3. ZOOL 123 Animal Diversity Laboratory recommended
4. In addition, 9 units of elective credit, selected in consultation with the Natural History Faculty Adviser, are required to complete the major field requirements.

A student must complete each of the courses required with a grade of "C" or better.
BUSINESS ADMINISTRATION

Program Description
This department offers occupational and professional programs in business which meets the needs of students planning to obtain immediate employment, retrain, earn an AA 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.

Business Administration courses (Business Administration, Business Law, Legal Environment of Business, Management, Leadership, Business Mathematics, Real Estate and Entrepreneurship) give students general business knowledge in managerial controls, economics of business, human resources (personnel), labor relations, business risks, interaction of government and business law, production and distribution. They provide the foundations for areas of specialization, such as accounting, finance, management, marketing and entrepreneurship.

Management courses prepare students to be small business managers or lead toward a career in management of a larger firm. These courses provide an existing manager with new insights and training, career advancement opportunities, offer new career possibilities to the younger student, or a chance to change careers for the older student.

The Real Estate Program is designed to prepare students for professional certification as real estate salespeople and real estate brokers. All courses are taught by practicing real estate professionals with strong academic backgrounds, extensive practical experience and local community service. These courses are valuable for real estate investors, developers, appraisers, escrow officers and property managers. Attractive opportunities for careers in these areas exist in Santa Barbara. All of the Real Estate courses are designed to satisfy California’s real estate licensing requirements.

The entrepreneurship courses are designed to enable new and existing entrepreneurs to successfully launch a new business or sustain and grow an existing business. Students learn how to identify, assess and develop a new venture, acquire the necessary resources to launch a new venture, and build a collaborative team capable of managing a new venture.

For more information on the department, visit http://www.sbcc.edu/businessadministration/

Scheinfield Center for Entrepreneurship & Innovation
Scheinfield.sbcc.edu (http://www.Scheinfield.sbcc.edu)

Under the aegis of the Business Administration Department, the Scheinfield 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 Scheinfield 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 Scheinfield Center hosts the Small Business Development Center (SBDC) of Santa Barbara, which provides no-cost business consulting to students and the community. Additionally the Scheinfield Center hosts the Center for International Trade and Development (CITD) to assist businesses with international expansion through importing and exporting. The Scheinfield Center is located in BC-220 and is open Monday through Friday, with scheduled and drop-in appointments available.

Program Cost and Outcome
For planning purposes, the webpages below provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Business Administration: Emphasis in Management

Business Administration: Emphasis in Small Business Development

Real Estate
http://www.sbcc.edu/financialaid/gainfulemployment/RealEstate.htm

Programs of Study
Credit Programs
• Business Administration, Associate in Arts (AA) (p. 156)
• Business Administration, Associate in Arts (AA): Entrepreneurship Emphasis (p. 157)
• Business Administration, Associate in Arts (AA): Management Emphasis (p. 157)
• Real Estate, Associate in Science (AS) (p. 160)
• Business Administration, Associate in Science for Transfer (AS-T) (p. 155)
• Business Administration, Certificate of Achievement (C): Entrepreneurship Emphasis (p. 158)
• Business Administration, Certificate of Achievement (C): Management Emphasis (p. 158)
• Real Estate, Certificate of Achievement (C) (p. 161)
• Business Administration, Skills Competency Award (SCA): Level I (p. 158)
• Business Administration, Skills Competency Award (SCA): Level II (p. 159)
• Entrepreneurship, Skills Competency Award (SCA) (p. 159)
• Entrepreneurship, Skills Competency Award (SCA): Web Design, Level I (p. 160)
• Entrepreneurship, Skills Competency Award (SCA): Web Design, Level II (p. 160)

Business Administration for Transfer, Associate in Science (AS-T)
Requirements
The Business Administration program gives students general business knowledge in managerial controls, economics of business, human resources (personnel), labor relations, business risks, interaction of government and business law, production and distribution. They provide
the foundations for areas of specialization, such as accounting, finance, or marketing management.

The Associate in Science Degree in Business for Transfer provides students with the foundational knowledge in business to make a successful transition to a Baccalaureate Degree in Business program at any of the CSU campuses.

**Degree Requirements**

Complete 60 CSU-transferable units including general education, major requirements and CSU-transferable electives as follows:

**General Education**

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (34-40 semester units)
- California State University General Education Breadth pattern (39 semester units)

**Major**

Complete 30-33 units as outlined below with a "C" or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 240</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BLAW 101</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>or BLAW 110</td>
<td>Legal Environment Of Business</td>
<td></td>
</tr>
<tr>
<td>ECON 101</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A**

Select one course from the following:

| PSY 150  | Statistics for the Behavioral Sciences | 4-5   |
| MATH 117 | Elementary Statistics                  |       |
| MATH 117H | Elementary Statistics, Honors          |       |
| MATH 130 | Calculus for Biological Sciences, Social Sciences and Business |       |
| MATH 150 | Calculus with Analytic Geometry |       |

**List B**

Select two courses from the following:

| CS 101  | Computer Concepts                      |       |
| CS 101  | Computer Concepts                      |       |
| COMP 101 | Introduction to Computer Applications  |       |
| BUS 101 | Introduction To Business               |       |
| COMP 271 | Business Communications               |       |

**Total Units**

30.00-33.00

1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu/ for IGETC and CSU GE Breadth requirements.

**CSU-Transferable Electives**

Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

**Additional Graduation Requirements for AS-T in Business Administration:**

- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**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.

**Business Administration, Associate in Arts (AA)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACCT 240</td>
<td>Managerial Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BLAW 101</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>or BLAW 110</td>
<td>Legal Environment Of Business</td>
<td></td>
</tr>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td></td>
</tr>
<tr>
<td>ECON 101</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Macroeconomics</td>
<td>3</td>
</tr>
</tbody>
</table>

Optional:
Santa Barbara City College

BUS 290 Work Experience In Business Administration
Total Units 26.00

ACCT 210 and ACCT 220 will also satisfy these requirements.

Note: Each required course must be completed with a minimum grade of “C”.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Business Administration, Associate in Arts (AA): Entrepreneurship Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>COMP 139</td>
<td>Social Networking for Business</td>
<td>0.5</td>
</tr>
<tr>
<td>ENT 201</td>
<td>Introduction to Entrepreneurship and Innovation</td>
<td>2</td>
</tr>
<tr>
<td>ENT 202</td>
<td>Entrepreneurship: Idea to Business Model</td>
<td>3</td>
</tr>
<tr>
<td>ENT 203</td>
<td>Marketing Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>ENT 204</td>
<td>New Venture Management</td>
<td>3</td>
</tr>
<tr>
<td>ENT 207</td>
<td>Entrepreneurship Law</td>
<td>3</td>
</tr>
<tr>
<td>ENT 208</td>
<td>Business Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>MKT 220</td>
<td>Introduction To Electronic Commerce</td>
<td>3</td>
</tr>
<tr>
<td>or ENT 247</td>
<td>Managing Information Systems for the Entrepreneur</td>
<td></td>
</tr>
</tbody>
</table>

Total Units 29.50

Note: Each required course must be completed with a minimum grade of “C”.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Business Administration, Associate in Arts (AA): Management Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting 1</td>
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<td>BLAW 110</td>
<td>Legal Environment Of Business</td>
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</tr>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>MGMT 101</td>
<td>Introduction To Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 102</td>
<td>Leadership In Organizations</td>
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</tr>
<tr>
<td>BUS 290</td>
<td>Work Experience In Business Administration</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 25.00

Note: Each required course must be completed with a minimum grade of “C”. ACCT 210 will also satisfy this requirement.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.
1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### Learning Outcomes

1. Explain general management functions, roles and responsibilities required to effectively manage today's contemporary organizations.

2. Recognize the ethical issues facing managers and apply decision-making techniques and ethical reasoning to resolve 21st century ethical dilemmas.

3. Work effectively in teams and acknowledge the benefits of collaboration and mutual responsibility.

4. Access and interpret information, respond and adapt to a dynamic business environment, make complex decisions, solve problems, and evaluate outcomes.

### Business Administration, Certificate of Achievement (C): Entrepreneurship Emphasis

**Requirements**

<table>
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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>ENT 201</td>
<td>Introduction to Entrepreneurship and Innovation</td>
<td>2</td>
</tr>
<tr>
<td>ENT 203</td>
<td>Entrepreneurship: Idea to Business Model</td>
<td>3</td>
</tr>
<tr>
<td>ENT 205</td>
<td>Marketing Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>COMP 139</td>
<td>Social Networking for Business</td>
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<tr>
<td>ENT 204</td>
<td>New Venture Management</td>
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</tr>
<tr>
<td>or ENT 247</td>
<td>Managing Information Systems for the Entrepreneur</td>
<td></td>
</tr>
<tr>
<td>MKT 220</td>
<td>Introduction To Electronic Commerce</td>
<td>3</td>
</tr>
<tr>
<td>or CIS 220</td>
<td>Introduction To Electronic Commerce</td>
<td></td>
</tr>
<tr>
<td>ENT 206</td>
<td>Financial Management for Startups</td>
<td>3</td>
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<tr>
<td>ENT 207</td>
<td>Enterprise Launch</td>
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<tr>
<td>Total Units</td>
<td>29.50</td>
<td></td>
</tr>
</tbody>
</table>

Note: Each required course must be completed with a minimum grade of “C”.

### 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.

### Business Administration, Certificate of Achievement (C): Management Emphasis

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
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</tr>
<tr>
<td>BLAW 110</td>
<td>Legal Environment Of Business</td>
<td>4</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>MGMT 101</td>
<td>Introduction To Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 102</td>
<td>Leadership In Organizations</td>
<td>3</td>
</tr>
<tr>
<td>BUS 290</td>
<td>Work Experience In Business Administration 1</td>
<td>1</td>
</tr>
<tr>
<td>Total Units</td>
<td>25.00</td>
<td></td>
</tr>
</tbody>
</table>

1. ACCT 201 will also satisfy this requirement.

Note: Each required course must be completed with a minimum grade of “C”.

### Learning Outcomes

1. Explain general management functions, roles and responsibilities required to effectively manage today’s contemporary organizations.

2. Recognize the ethical issues facing managers and apply decision-making techniques and ethical reasoning to resolve 21st century ethical dilemmas.

3. Work effectively in teams and acknowledge the benefits of collaboration and mutual responsibility.

4. Access and interpret information, respond and adapt to a dynamic business environment, make complex decisions, solve problems, and evaluate outcomes.

### Business Administration, Skills Competency Award (SCA): Level I

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 101</td>
<td>Introduction To Management</td>
<td>3</td>
</tr>
<tr>
<td>ENT 204</td>
<td>New Venture Management</td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Controlled Electives**

Select 3 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>3</td>
</tr>
<tr>
<td>BLAW 110</td>
<td>Legal Environment Of Business</td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td></td>
</tr>
</tbody>
</table>

Note: Each required course must be completed with a minimum grade of “C”. 

### Learning Outcomes

1. Access and interpret information (legal, financial, operational, market) necessary to develop a new business venture.
## Business Administration, Skills Competency Award (SCA): Level II

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Skills Competency Award Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students must have successfully completed the requirements specified in the SCA in Business Administration, Level I</td>
<td>12-13</td>
<td></td>
</tr>
<tr>
<td><strong>Department Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ENT 208</td>
<td>Business Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 102</td>
<td>Leadership In Organizations</td>
<td>3</td>
</tr>
<tr>
<td><strong>Controlled Electives</strong></td>
<td>Select 3 units of selected from the following: ¹</td>
<td>3-4</td>
</tr>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td></td>
</tr>
<tr>
<td>BLAW 110</td>
<td>Legal Environment Of Business</td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td></td>
</tr>
<tr>
<td>COMM 151</td>
<td>Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 161</td>
<td>Communication in Organizations</td>
<td></td>
</tr>
<tr>
<td>or COMM 162</td>
<td>Mediated Communication in Organizations</td>
<td></td>
</tr>
<tr>
<td>CS 101</td>
<td>Computer Concepts</td>
<td></td>
</tr>
<tr>
<td>ECON 101</td>
<td>Microeconomics</td>
<td></td>
</tr>
<tr>
<td>ECON 102</td>
<td>Macroeconomics</td>
<td></td>
</tr>
<tr>
<td>FIN 202</td>
<td>Managerial Finance</td>
<td></td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td>24.00-26.00</td>
</tr>
</tbody>
</table>

¹ Cannot be the same as those controlled electives selected to complete the SCA in Business Administration, Level I

Students must complete the above courses with the grade of “C” or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

### 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.

## Entrepreneurship, Skills Competency Award (SCA)

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENT 201</td>
<td>Introduction to Entrepreneurship and Innovation</td>
<td>2</td>
</tr>
<tr>
<td>ENT 202</td>
<td>Entrepreneurship: Idea to Business Model</td>
<td>3</td>
</tr>
<tr>
<td>ENT 203</td>
<td>Marketing Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>ENT 204</td>
<td>New Venture Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>ENT 205</td>
<td>Financial Management for Startups</td>
<td>3</td>
</tr>
<tr>
<td>ENT 206</td>
<td>Enterprise Launch</td>
<td>3</td>
</tr>
<tr>
<td>ENT 207</td>
<td>Entrepreneurship Law</td>
<td>3</td>
</tr>
<tr>
<td>ENT 208</td>
<td>Business Plan Development</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td>23.00</td>
</tr>
</tbody>
</table>

Students must complete the above courses with the grade of “C” or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 60% of the department requirements through SBCC.

### 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.
6. Manage and lead diverse employees in a dynamic and rapidly changing business environment.

Entrepreneurship, Skills Competency Award (SCA): Web Design - Level II

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 205</td>
<td>Financial Management for Startups</td>
<td>3</td>
</tr>
<tr>
<td>ENT 206</td>
<td>Enterprise Launch</td>
<td>3</td>
</tr>
<tr>
<td>ENT 207</td>
<td>Entrepreneurship Law</td>
<td>3</td>
</tr>
<tr>
<td>ENT 208</td>
<td>Business Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>MAT 116</td>
<td>Interactive Design I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 154</td>
<td>Web Design II: Integration</td>
<td>3</td>
</tr>
<tr>
<td>MAT/MKT 164</td>
<td>Online and Mobile Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 21.00

Students must complete the above courses with the grade of “C” or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENT 201</td>
<td>Introduction to Entrepreneurship and Innovation</td>
<td>2</td>
</tr>
<tr>
<td>ENT 202</td>
<td>Entrepreneurship: Idea to Business Model</td>
<td>3</td>
</tr>
<tr>
<td>ENT 203</td>
<td>Marketing Plan Development</td>
<td>3</td>
</tr>
<tr>
<td>ENT 204</td>
<td>New Venture Management</td>
<td>3</td>
</tr>
<tr>
<td>GDP 110</td>
<td>Media Design</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 20.00

Students must complete the above courses with the grade of “C” or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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 in Science (AS)

Requirements

The Associate Degree will be awarded upon completion of department and college requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>BLAW 101</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>RE 101</td>
<td>Real Estate Principles</td>
<td>3</td>
</tr>
<tr>
<td>RE 102</td>
<td>Real Estate Practices</td>
<td>3</td>
</tr>
<tr>
<td>RE 203</td>
<td>Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>RE 204</td>
<td>Legal Aspects Of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RE 205</td>
<td>Real Estate Appraisal (Residential)</td>
<td>3</td>
</tr>
<tr>
<td>RE 207</td>
<td>Property Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 27.00

Note: Each required course must be completed with a minimum grade of “C”.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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).
Real Estate, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>BLAW 101</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>RE 101</td>
<td>Real Estate Principles</td>
<td>3</td>
</tr>
<tr>
<td>RE 102</td>
<td>Real Estate Practices</td>
<td>3</td>
</tr>
<tr>
<td>RE 203</td>
<td>Real Estate Finance</td>
<td>3</td>
</tr>
<tr>
<td>RE 204</td>
<td>Legal Aspects Of Real Estate</td>
<td>3</td>
</tr>
<tr>
<td>RE 205</td>
<td>Real Estate Appraisal (Residential)</td>
<td>3</td>
</tr>
<tr>
<td>RE 207</td>
<td>Property Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 27.00

Note: Each required course must be completed with a minimum grade of "C".

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).
CHEMISTRY

Program Description
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.

For more information on the department, visit http://www.sbcc.edu/chemistry/

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.

Honors and Awards
Outstanding Chemistry Students and Book Awards
Each year the faculty of the Chemistry Department select a student from each of the chemistry courses who has clearly demonstrated academic excellence and outstanding scholarly achievement in CHEM 101 Introductory Chemistry, CHEM 104 Fundamentals Of General, Organic And Biological Chemistry, CHEM 155 General Chemistry I and CHEM 156 General Chemistry II, or CHEM 211 Organic Chemistry I, CHEM 212 Organic Chemistry II, CHEM 221 Organic Chemistry Laboratory I, and CHEM 222 Organic Chemistry Laboratory II to be the Outstanding Chemistry Student in the respective area.

In addition, several Book Awards are given to outstanding students, such as the Dr. Preston B. Moore Chemistry Book Award in recognition of a student’s commitment to research in a field of chemistry.

Department Resources
Tutorial Opportunities
In most semesters, the Chemistry Department is able to hire student tutors to provide group tutoring sessions to students enrolled in many of the courses in the department. Students who have demonstrated a high level of understanding of chemistry and have expressed an interest in teaching, are encouraged to apply for these positions.

Special Departmental Resources
The Chemistry Department offers laboratories that contain state-of-the-art instruments, including infrared spectrophotometers, UV-vis spectrophotometers, gas chromatography, and a nuclear magnetic resonance spectrometer.

Advising
In addition to the services provided by college counselors for the sciences and by the Career Center, department members offer advisement regarding Chemistry courses and career opportunities in chemistry. For information about the Chemistry Program at Santa Barbara City College, contact Dr. Jens-Uwe Kuhn, PS-217, (805) 730-4319.

Programs of Study
Credit Program
- Chemistry, Associate in Arts (AA) (p. 162)

Chemistry, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
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<tr>
<td>CHEM 156</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 211</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 212</td>
<td>Organic Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 221</td>
<td>Organic Chemistry Laboratory I</td>
<td>2.3</td>
</tr>
<tr>
<td>CHEM 222</td>
<td>Organic Chemistry Laboratory II</td>
<td>2.5</td>
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</table>

Controlled Electives
Select 8 units from the following: ¹

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics</td>
<td></td>
</tr>
<tr>
<td>or MATH 117H</td>
<td>Elementary Statistics, Honors</td>
<td></td>
</tr>
<tr>
<td>MATH 130</td>
<td>Calculus for Biological Sciences, Social Sciences and Business I</td>
<td></td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus For Biological Sciences, Social Sciences And Business II</td>
<td></td>
</tr>
<tr>
<td>MATH 137</td>
<td>Precalculus I - College Algebra And Functions</td>
<td></td>
</tr>
</tbody>
</table>

¹ Students are encouraged to take MATH 117H Elementary Statistics, Honors if they are planning to transfer to a four-year university.
MATH 138 Precalculus II - 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

1 MATH 140 (21)/MATH 141 (22) and MATH 250/MATH 260 may also count toward the Controlled Electives requirement.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
COMMUNICATION

Program Description
Whatever their age, social position, or occupation, people communicate. In fact, we 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. In addition, instruction is available in argumentation, debate, communication theory and research methods.

Students enroll in Communication courses for a variety of reasons. Some have primarily academic motives and seek either an associate, baccalaureate, or advanced degree in Communication. Other students enroll to become more effective in their careers. Still others seek personal growth, recognizing the importance of skillful self-expression and understanding others in their own lives.

Surveys show that most employers rank effective communication at the top of desired skills. As a result, many organizations look favorably upon applicants with proven ability to speak and listen skillfully. While communication is important in virtually any career, certain fields and positions are especially well-suited for Communication graduates—management, public information, broadcasting, personnel training, sales and law, among others.

Students who choose the Communication Degree Program can gain valuable speaking skills by participating in our annual Lancaster Speech Showcase. Students will also have the opportunity to gain knowledge about Communication by participating in community and global projects through their classes. Qualified students also have the opportunity to be part of Sigma Chi Eta, an honor society for students earning a 3.0 or higher in the major. Students can also choose to take classes in one of the many Study Abroad programs offered each year. Past study abroad programs include Italy, Australia, India, Rwanda, South Africa, and Cuba.

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 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. The Applied Communication Emphasis provides students with foundational knowledge in Communication Studies and its application in a variety of settings—interpersonal, small group, organizational, presentational speaking, mass media and intercultural.

In addition, the Communication Department offers an AA-T Degree in Communication Studies for Transfer. This degree provides the foundational knowledge in Communication Studies to students who want to earn a Baccalaureate Degree in Communication Studies. This degree is in compliance 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) 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.

Upon completion of the transfer Associate Degree, the student is eligible for transfer with junior standing to 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. For information on transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

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
Credit Programs

- Communication, Associate in Arts (AA): Applied Communication Emphasis (p. 164)
- Communication, Associate in Arts (AA): Communication Science Emphasis (p. 165)
- Communication Studies, Associate in Arts for Transfer (AA-T) (p. 166)

Communication (AA): Applied Communication Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Requirements</td>
<td>Select one course from the following:</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>COMM 121 Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 121H Interpersonal Communication, Honors</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 122 Mediated Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMM 131 Fundamentals Of Public Speaking</td>
<td>3</td>
</tr>
</tbody>
</table>
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Recommended Sequence

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 101</td>
<td>Introduction to Communication</td>
<td>3</td>
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<tr>
<td>COMM 121</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>General Ed. Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amer. Inst. Req.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Ed. Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 131</td>
<td>Fundamentals Of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 141</td>
<td>Small Group Communication</td>
<td>3</td>
</tr>
<tr>
<td>Elective 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>General Ed. Course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Units</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Second Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 161</td>
<td>Communication in Organizations</td>
<td>3</td>
</tr>
<tr>
<td>COMM 151</td>
<td>Intercultural Communication</td>
<td>3</td>
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<td>Elective 2</td>
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<td>Total Units</td>
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<td>18.00</td>
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Elective 2

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Semester</td>
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<td></td>
</tr>
<tr>
<td>COMM 171</td>
<td>Mass Media And Society</td>
<td>3</td>
</tr>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate</td>
<td>3</td>
</tr>
<tr>
<td>Elective 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Units</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>24</td>
</tr>
</tbody>
</table>

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 (AA): Communication Science Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>COMM 101</td>
<td>Introduction to Communication</td>
<td>3</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics</td>
<td>4</td>
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<tr>
<td>MATH 117H</td>
<td>Elementary Statistics, Honors</td>
<td></td>
</tr>
<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
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</tr>
<tr>
<td>COMM 288</td>
<td>Communication Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>COMM 289</td>
<td>Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td>Units</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Second Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 121</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>COMM 121H</td>
<td>Interpersonal Communication, Honors</td>
<td></td>
</tr>
<tr>
<td>COMM 122</td>
<td>Mediated Interpersonal Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 131</td>
<td>Fundamentals Of Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>COMM 141</td>
<td>Small Group Communication</td>
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</tr>
<tr>
<td>COMM 151</td>
<td>Intercultural Communication</td>
<td></td>
</tr>
<tr>
<td>COMM 171</td>
<td>Mass Media And Society</td>
<td></td>
</tr>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate</td>
<td></td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Reporting/Writing I</td>
<td></td>
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<td>Units</td>
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<td>Total Units</td>
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<td>19.00</td>
</tr>
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</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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
Communication Studies, Associate in Arts for Transfer (AA-T)

Requirements

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 degree in Communication Studies for Transfer provides students with the foundational knowledge in Communication Studies needed to make a successful transition into a Baccalaureate Degree in Communication Studies at any of the CSU campuses.

Degree Requirements

Complete 60 CSU-transferable units including general education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major

Complete 18-24 units as outlined below with a "C" or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

Code | Title | Units
--- | --- | ---
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 | 3
ANTH 101 | Physical Anthropology | 1
ANTH 101H | Physical Anthropology, Honors | 1
COMM 101 | Introduction to Communication | 1
COMM 151 | Intercultural Communication | 1
COMM 171 | Mass Media And Society | 1

Electives List A

Select two courses from the following:

- COMM 121 | Interpersonal Communication | 3
- COMM 121H | Interpersonal Communication, Honors | 3
- COMM 141 | Small Group Communication | 3
- COMM 235 | Argumentation And Debate | 3

Electives List B

Select two courses from the following:

- ANTH 101 | Physical Anthropology | 1
- ANTH 101H | Physical Anthropology, Honors | 1
- COMM 101 | Introduction to Communication | 1
- COMM 151 | Intercultural Communication | 1
- COMM 171 | Mass Media And Society | 1

Recommended Sequence

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 101</td>
<td>Introduction to Communication 1</td>
<td>3</td>
</tr>
<tr>
<td>COMM 151</td>
<td>Intercultural Communication 1</td>
<td>3</td>
</tr>
<tr>
<td>Amer. Inst. Req</td>
<td>General Ed. Course</td>
<td></td>
</tr>
<tr>
<td>Elective 2</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Units</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 171</td>
<td>Mass Media And Society 1</td>
<td>3</td>
</tr>
<tr>
<td>COMM 141</td>
<td>Small Group Communication 1</td>
<td>3</td>
</tr>
<tr>
<td>General Ed. Course</td>
<td>Elementary Statistics 1</td>
<td>4</td>
</tr>
<tr>
<td>Elective 2</td>
<td></td>
<td>6</td>
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<tr>
<td>Second Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 289</td>
<td>Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td>COMM 131</td>
<td>Fundamentals Of Public Speaking 1</td>
<td>3</td>
</tr>
<tr>
<td>Elective 2</td>
<td></td>
<td>6</td>
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<tr>
<td>Elective 2</td>
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<td>6</td>
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<tr>
<td>Elective 2</td>
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<td>6</td>
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<tr>
<td>Units</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 288</td>
<td>Communication Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate</td>
<td>3</td>
</tr>
<tr>
<td>Elective 2</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Elective 2</td>
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<td>6</td>
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<tr>
<td>Elective 2</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Units</td>
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<td>6</td>
</tr>
<tr>
<td>Total Units</td>
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<td>28</td>
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</tbody>
</table>

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.
CSU Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

Additional Graduation Requirements for AA-T in Communication Studies
- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
COMPUTER APPLICATIONS AND OFFICE MANAGEMENT

Program Description
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

For more information on the department, visit http://www.sbcc.edu/computerapplications/

Honors and Awards
The Computer Applications and Office Management Department selects one student each year as Outstanding Student. The selection is made by the faculty in the department and is based on academic excellence or service to the department. No applications by students are required.

Program Cost and Outcome
For planning purposes, the webpages below provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Computer Applications and Office Management (COMP): Emphasis in Business Software Specialist

Computer Applications and Office Management (COMP): Emphasis in Office Management

Programs of Study
Credit Programs
- Computer Applications and Office Management, Associate in Science (AS): Business Software Specialist Emphasis (p. 169)
- Computer Applications and Office Management, Associate in Science (AS): Office Management Emphasis (p. 170)
- Computer Applications and Office Management, Certificate of Achievement (C): Business Software Specialist Emphasis (p. 170)
- Computer Applications and Office Management, Certificate of Achievement (C): Emphasis in Office Management Emphasis (p. 171)
- Business Communications, Skills Competency Award (SCA) (p. 169)
- Computer Proficiency Online, Skills Competency Award (SCA) (p. 171)
- Office Assistant, Skills Competency Award (SCA) (p. 172)

Noncredit Programs
- Basic Computer Applications, Certificate of Completion (p. 168)
- Basic Internet Skills, Certificate of Completion (p. 169)
- Basic MAC Software Skills, Certificate Completion (p. 169)
- Beginning Computer Skills, Certificate of Completion (p. 169)
- Beginning MAC Skills, Certificate of Completion (p. 169)
- Harness the Cloud to Maximize Work Performance, Certificate of Completion (p. 171)

Basic Computer Applications, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP NC050</td>
<td>Word Processing Basics for Beginners</td>
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<tr>
<td>COMP NC051</td>
<td>Introduction to MS Word</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC055</td>
<td>Basic PowerPoint</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC058</td>
<td>Basic Outlook</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC063</td>
<td>Introduction to MS Excel</td>
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</table>
## Basic Internet Skills, Certificate of Completion

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>COMP NC040</td>
<td>Searching the Web</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC041</td>
<td>E-mail for Beginners</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC042</td>
<td>Optimizing Photos for the Internet and E-mail</td>
<td>0</td>
</tr>
<tr>
<td>GDP NC005</td>
<td>Photoshop Overview</td>
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</table>

Select one of the following:

- COMP NC042
- GDP NC005

## Basic MAC Software Skills, Certificate of Completion

### Requirements

<table>
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<th>Code</th>
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<tbody>
<tr>
<td>COMP NC035</td>
<td>Exploring Microsoft Office for the MAC</td>
<td>0</td>
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<tr>
<td>COMP NC036</td>
<td>Intro to iTunes, iPods, and iPads</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC037</td>
<td>Living the iLife</td>
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## Beginning Computer Skills, Certificate of Completion

### Requirements

<table>
<thead>
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<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>COMP NC022</td>
<td>Computers for Beginners</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC024</td>
<td>Introduction to Windows</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC020</td>
<td>How to use a Computer Keyboard and Mouse for Beginners</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC021</td>
<td>Learn to Type</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC023</td>
<td>Windows Basics</td>
<td>0</td>
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</table>

Select two of the following:

- COMP NC020
- COMP NC021
- COMP NC023

## Business Communications, Skills Competency Award (SCA)

### Requirements

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
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</tr>
<tr>
<td>COMP 107</td>
<td>Microsoft Word</td>
<td>4</td>
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<tr>
<td>COMP 112</td>
<td>Microsoft Powerpoint</td>
<td>4</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>or COMP 271</td>
<td>Business Communications</td>
<td></td>
</tr>
</tbody>
</table>

Select one course from the following:

- CIS 181: Technical And Professional Writing
- ENG 181: Technical And Professional Writing
- COMM 131: Fundamentals Of Public Speaking
- COMM 131H: Fundamentals Of Public Speaking, Honors
- COMM 161: Communication in Organizations
- COMM 162: Mediated Communication in Organizations
- COMP 161A: Business Career Success
- COMP 161B: Business Career Success
- COMP 161C: Business Career Success

Total Units: 13.00-15.00

Students must complete the above courses with the grade of "C" or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

## 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 in Science (AS): Business Software Specialist Emphasis

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1</td>
</tr>
<tr>
<td>COMP 107</td>
<td>Microsoft Word</td>
<td>4</td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 111</td>
<td>Microsoft Access</td>
<td>4</td>
</tr>
<tr>
<td>COMP 112</td>
<td>Microsoft Powerpoint</td>
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</table>
Computer Applications and Office Management, Associate in Science (AS): Office Management Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 139</td>
<td>Social Networking for Business</td>
<td>0.5</td>
</tr>
<tr>
<td>COMP 144B</td>
<td>Google World</td>
<td>3</td>
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<tr>
<td>Select two courses from the following:</td>
<td>4-7</td>
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</tr>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
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<tr>
<td>ACCT 160</td>
<td>Accounting With Quickbooks</td>
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</tr>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
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</tr>
<tr>
<td>COMP 150</td>
<td>Voice Recognition</td>
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<tr>
<td>MAT 103</td>
<td>Introduction To Multimedia</td>
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</tr>
<tr>
<td>MAT 154</td>
<td>Web Design II: Integration</td>
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</tr>
<tr>
<td>MKT/CIS 220</td>
<td>Introduction To Electronic Commerce</td>
<td></td>
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<tr>
<td>Optional:</td>
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<tr>
<td>COMP 290</td>
<td>Work Experience In Computer Applications And Office Management</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 28.50-31.50

Complete each required course with a minimum grade of “C”.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

Computer Applications and Office Management, Associate in Science (AS): Office Management Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 151AB</td>
<td>Beginning Computer Keyboarding</td>
<td>2-3</td>
</tr>
<tr>
<td>or COMP 153</td>
<td>Review Computer Keyboarding</td>
<td></td>
</tr>
<tr>
<td>COMP 161C</td>
<td>Business Career Success</td>
<td>3</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>or COMP 271</td>
<td>Business Communications</td>
<td></td>
</tr>
<tr>
<td>Select two courses from the following:</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>COMM 161</td>
<td>Communication in Organizations</td>
<td></td>
</tr>
<tr>
<td>or COMM 162</td>
<td>Mediated Communication in Organizations</td>
<td></td>
</tr>
<tr>
<td>MGMT 101</td>
<td>Introduction To Management</td>
<td></td>
</tr>
<tr>
<td>MGMT 102</td>
<td>Leadership In Organizations</td>
<td></td>
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<tr>
<td>Select three courses from the following:</td>
<td>2.5-9</td>
<td></td>
</tr>
<tr>
<td>ACCT 160</td>
<td>Accounting With Quickbooks</td>
<td></td>
</tr>
<tr>
<td>COMP 139</td>
<td>Social Networking for Business</td>
<td></td>
</tr>
<tr>
<td>COMP 143</td>
<td>Using Your iPhone</td>
<td></td>
</tr>
<tr>
<td>COMP 144B</td>
<td>Google World</td>
<td></td>
</tr>
<tr>
<td>COMP 163</td>
<td>Receptionist Skills</td>
<td></td>
</tr>
<tr>
<td>MAT 103</td>
<td>Introduction To Multimedia</td>
<td></td>
</tr>
<tr>
<td>MAT 154</td>
<td>Web Design II: Integration</td>
<td></td>
</tr>
<tr>
<td>MKT/CIS 220</td>
<td>Introduction To Electronic Commerce</td>
<td></td>
</tr>
<tr>
<td>Optional:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP 290</td>
<td>Work Experience In Computer Applications And Office Management</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 40.50-48.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Computer Applications and Office Management, Certificate of Achievement (C): Business Software Specialist Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
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<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1</td>
</tr>
<tr>
<td>COMP 107</td>
<td>Microsoft Word</td>
<td>4</td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 111</td>
<td>Microsoft Access</td>
<td>4</td>
</tr>
</tbody>
</table>
Select two courses from the following: 4-7

ACCT 110 Introduction to Accounting
ACCT 160 Accounting With Quickbooks
BUS 101 Introduction To Business
COMP 150 Voice Recognition
MAT 103 Introduction To Multimedia
MAT 154 Web Design II: Integration
MKT/CIS 220 Introduction To Electronic Commerce

Optional:
COMP 290 Work Experience In Computer Applications And Office Management

Total Units 28.50-31.50

Complete each required course with a minimum grade of “C”.

Computer Applications and Office Management, Certificate of Achievement (C): Office Management Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>Department Requirements</td>
<td></td>
<td></td>
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<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
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<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1</td>
</tr>
<tr>
<td>COMP 107</td>
<td>Microsoft Word</td>
<td>4</td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 111</td>
<td>Microsoft Access</td>
<td>4</td>
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<tr>
<td>COMP 112</td>
<td>Microsoft Powerpoint</td>
<td>4</td>
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<tr>
<td>COMP 151AB</td>
<td>Beginning Computer Keyboarding</td>
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<tr>
<td>COMP 161C</td>
<td>Business Career Success</td>
<td>3</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>or COMP 271</td>
<td>Business Communications</td>
<td></td>
</tr>
</tbody>
</table>

Select 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

Select three courses from the following: 2.5-9

ACCT 160 Accounting With Quickbooks
COMP 139 Social Networking for Business
COMP 143 Using Your iPhone
COMP 144B Google World
COMP 163 Receptionist Skills
MAT 103 Introduction To Multimedia
MAT 154 Web Design II: Integration

MKT/CIS 220 Introduction To Electronic Commerce

Optional:
COMP 290 Work Experience In Computer Applications And Office Management

Total Units 40.50-48.00

Certificate of Achievement Requirements: Complete all department requirements for the certificate 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.

Learning Outcomes

1. Use the intermediate and advanced features of Microsoft Office (Word, Excel, Access, PowerPoint, Outlook) proficiently, according to professional business standards
2. Integrate the programs in the Microsoft Office suite for maximum productivity
3. Write effective business correspondence
4. Utilize correct accounting procedures
5. Supervise and manage employees effectively
6. Use the Internet as a research tool

Computer Proficiency Online, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>or COMP 144B</td>
<td>Google World</td>
<td></td>
</tr>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1</td>
</tr>
<tr>
<td>COMP 107</td>
<td>Microsoft Word</td>
<td>4</td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 112</td>
<td>Microsoft Powerpoint</td>
<td>4</td>
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</tbody>
</table>

Total Units 16.00-17.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

Harness the Cloud to Maximize Work Performance, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP NC011</td>
<td>Best Business Apps</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC012</td>
<td>How To Use Google Drive to Maximize Performance</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC013</td>
<td>The Best Cloud Backup Options to Protect Data</td>
<td>0</td>
</tr>
</tbody>
</table>

Select two courses from the following: 4-7

ACCT 160 Accounting With Quickbooks
COMP 139 Social Networking for Business
COMP 143 Using Your iPhone
COMP 144B Google World
COMP 163 Receptionist Skills
MAT 103 Introduction To Multimedia
MAT 154 Web Design II: Integration

MKT/CIS 220 Introduction To Electronic Commerce

Optional:
COMP 290 Work Experience In Computer Applications And Office Management

Total Units 28.50-31.50

Complete each required course with a minimum grade of “C”.

Learning Outcomes

1. Use the intermediate and advanced features of Microsoft Office (Word, Excel, Access, PowerPoint, Outlook) proficiently, according to professional business standards
2. Integrate the programs in the Microsoft Office suite for maximum productivity
3. Write effective business correspondence
4. Utilize correct accounting procedures
5. Supervise and manage employees effectively
6. Use the Internet as a research tool

Computer Proficiency Online, Skills Competency Award (SCA)

Requirements

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<td>Introduction to Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>or COMP 144B</td>
<td>Google World</td>
<td></td>
</tr>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1</td>
</tr>
<tr>
<td>COMP 107</td>
<td>Microsoft Word</td>
<td>4</td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 112</td>
<td>Microsoft Powerpoint</td>
<td>4</td>
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</tbody>
</table>

Total Units 16.00-17.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

Harness the Cloud to Maximize Work Performance, Certificate of Completion

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<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>COMP NC011</td>
<td>Best Business Apps</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC012</td>
<td>How To Use Google Drive to Maximize Performance</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC013</td>
<td>The Best Cloud Backup Options to Protect Data</td>
<td>0</td>
</tr>
</tbody>
</table>

Select two courses from the following: 4-7

ACCT 160 Accounting With Quickbooks
COMP 139 Social Networking for Business
COMP 143 Using Your iPhone
COMP 144B Google World
COMP 163 Receptionist Skills
MAT 103 Introduction To Multimedia
MAT 154 Web Design II: Integration

MKT/CIS 220 Introduction To Electronic Commerce

Optional:
COMP 290 Work Experience In Computer Applications And Office Management

Total Units 40.50-48.00

Certificate of Achievement Requirements: Complete all department requirements for the certificate 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.

Learning Outcomes

1. Use the intermediate and advanced features of Microsoft Office (Word, Excel, Access, PowerPoint, Outlook) proficiently, according to professional business standards
2. Integrate the programs in the Microsoft Office suite for maximum productivity
3. Write effective business correspondence
4. Utilize correct accounting procedures
5. Supervise and manage employees effectively
6. Use the Internet as a research tool

Computer Proficiency Online, Skills Competency Award (SCA)

Requirements

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>Department Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>3</td>
</tr>
<tr>
<td>or COMP 144B</td>
<td>Google World</td>
<td></td>
</tr>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1</td>
</tr>
<tr>
<td>COMP 107</td>
<td>Microsoft Word</td>
<td>4</td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td>4</td>
</tr>
<tr>
<td>COMP 112</td>
<td>Microsoft Powerpoint</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units 16.00-17.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

Harness the Cloud to Maximize Work Performance, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>Department Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP NC011</td>
<td>Best Business Apps</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC012</td>
<td>How To Use Google Drive to Maximize Performance</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC013</td>
<td>The Best Cloud Backup Options to Protect Data</td>
<td>0</td>
</tr>
</tbody>
</table>
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.

Office Assistant, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1-2</td>
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<tr>
<td>or COMP 142</td>
<td>Internet Communication For ESL</td>
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<tr>
<td>Select one course from the following:</td>
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<tr>
<td>COMP 141</td>
<td>Keyboarding For ESL Students</td>
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</tr>
<tr>
<td>COMP 151A</td>
<td>Basic Computer Keyboarding</td>
<td></td>
</tr>
<tr>
<td>COMP 155</td>
<td>Keyboarding Skill Development I</td>
<td></td>
</tr>
<tr>
<td>COMP 161C</td>
<td>Business Career Success</td>
<td>3</td>
</tr>
<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>or COMP 271</td>
<td>Business Communications</td>
<td></td>
</tr>
<tr>
<td>COMP 139</td>
<td>Social Networking for Business</td>
<td>0.5-3</td>
</tr>
<tr>
<td>or COMP 144B</td>
<td>Google World</td>
<td></td>
</tr>
</tbody>
</table>

Total Units 13.00-17.00

Students must complete the above courses with a grade of "C" or higher or credit in all courses.
COMPUTER INFORMATION SYSTEMS

See “Computer Science (p. 183)” and “Computer Network Engineering and Electronics” (p. 180) sections for additional computer courses.

Program Description
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.

Santa Barbara City College’s CIS Department offers comprehensive training in these program areas:

1. An occupational A.S. Degree, with a strong emphasis in both computer systems and business studies.
2. An occupational A.S. Degree, with a strong emphasis in system administration.
3. A transfer curriculum in preparation for a 4-year program in Management Information Systems (MIS) or CIS.
4. A Certificate program which provides marketable skills in PC hardware and software support, network management and systems administration.
5. A Certificate program which provides marketable skills in database programming and applications development.
6. A series of Skills Competency Awards in Help Desk and Desktop Support.
7. A Skills Competency Award in Web Server Administration.
8. A Skills Competency Award in Technical Writing.
9. A Skills Competency Award in Microsoft Office Development.
10. A Skills Competency Award in Microsoft Windows System Administration and Security.
11. A Skills Competency Award in Microsoft SQL Server Database Administration.
12. A Skills Competency Award in Information Technology Management.
13. A Skills Competency Award in Virtualization System Administration.
14. A Skills Competency Award in Mobile Device Administration.
15. A Skills Competency Award in Access SQL Professional.
16. A Skills Competency Award in Mac OS X Administration.
17. A Skills Competency Award in Cloud Computing Specialist.

The CIS Department also provides introductory and microcomputer courses (electives) for students in programs campus-wide.

For more information on the department, visit http://www.sbcc.edu/computerinformationsystems/

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).

Program Cost and Outcome
For planning purposes, the webpages to follow provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Database Programming and Applications Development
www.sbcc.edu/financialaid/gainfulemployment/DatabaseProgramming%20and%20Applications%20Development.htm

PC Support/Network Management
www.sbcc.edu/financialaid/gainfulemployment/PC%20SupportNetworkManagement.htm

Programs of Study
Credit Programs
• Computer Information Systems, Associate in Science Degree (AS) (p. 174)
• Computer Information Systems, Associate in Science Degree (AS): System Administration Emphasis (p. 175)
• Database Programming and Applications Development, Certificate of Achievement (C) (p. 175)
• PC Support and Network Management, Certificate of Achievement (C) (p. 178)
• Access SQL Professional, Skills Competency Award (SCA)
• Cloud Computing Specialist, Skills Competency Award (SCA)
• Help Desk and Desktop Support (Level I), Skills Competency Award (SCA) (p. 176)
• Help Desk and Desktop Support (Level II), Skills Competency Award (SCA) (p. 176)
• Information Technology Management, Skills Competency Award (SCA) (p. 176)
• Mac OS X Administration, Skills Competency Award (SCA)
• Microsoft Office Development, Skills Competency Award (SCA) (p. 177)
• Microsoft SQL Server Database Administration, Skills Competency Award (SCA) (p. 177)
• Microsoft Windows System Administration and Security, Skills Competency Award (SCA) (p. 177)
• Mobile Device Administration, Skills Competency Award (SCA)
• Technical Writing, Skills Competency Award (SCA) (p. 178)
• Virtualization System Administration, Skills Competency Award (SCA) (p. 179)
• Web Server Administration, Skills Competency Award (SCA) (p. 179)
Access SQL Professional, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 117</td>
<td>Introduction to SQL Programming</td>
<td>2</td>
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<tr>
<td>COMP 111</td>
<td>Microsoft Access</td>
<td>4</td>
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<td><strong>Total Units</strong></td>
<td><strong>10.00</strong></td>
</tr>
</tbody>
</table>

Students must complete the above courses with a grade of "C" or higher or credit in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Cloud Computing Specialist, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 114</td>
<td>Virtualization Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS 115</td>
<td>Cloud Computing Essentials</td>
<td>2</td>
</tr>
<tr>
<td>CIS 116</td>
<td>Cloud Implementation</td>
<td>2</td>
</tr>
<tr>
<td>CIS 201</td>
<td>UNIX/LINUX System Administration</td>
<td>4</td>
</tr>
<tr>
<td>or CIS 206</td>
<td>MS Windows Server System Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 264</td>
<td></td>
<td>2</td>
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<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Total Units</strong></td>
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</tr>
</tbody>
</table>

Students must complete the above courses with a grade of "C" or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes

1. Explain the benefits of cloud computing for enterprises.
2. Determine the appropriate cloud computing configurations for an enterprise.
3. Implement cloud computing solutions in the enterprise.

Computer Information Systems, Associate in Science Degree (AS)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 107</td>
<td>Introduction to Database Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS/ENG 181</td>
<td>Technical And Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 118</td>
<td>Visual Basic For Applications Programming</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td><strong>10.00</strong></td>
</tr>
</tbody>
</table>

or CIS 119| Introduction To Programming Using Visual Basic  |
| CIS 201| UNIX/LINUX System Administration                  | 4     |
| or CIS 206| MS Windows Server System Administration       |       |
| CIS 218| MS Windows Desktop System Administration         | 4     |
| CIS 243| Systems Analysis And Design                       | 4     |
| CIS 245| IT Project Management                             | 4     |
| or CIS 246| Management of Information Technology            |       |
| CNEE 110| Networking Essentials                             | 3     |
|        | **Optional:**                                     |       |
| CIS 290| Work Experience In Computer Information Systems   |       |
|        | **Total Units**                                   | **34.00** |

Students who completed CIS 240 are not required to complete CIS 243 Systems Analysis And Design.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 218</td>
<td>MS Windows Desktop System Administration</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Units</strong></td>
<td><strong>8</strong></td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CIS 107</td>
<td>Introduction to Database Systems</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td><strong>Units</strong></td>
<td><strong>7</strong></td>
</tr>
</tbody>
</table>

Substitute only if required by a major or minor; if not, choose a course that fulfills a general education requirement (IGETC, CSU GE Breadth, or as desired).
### Computer Information Systems, Associate in Science Degree (AS): System Administration Emphasis

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 114</td>
<td>Virtualization Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS/ENG 181</td>
<td>Technical And Professional Writing</td>
<td>3</td>
</tr>
<tr>
<td>CIS 200</td>
<td>Windows PowerShell</td>
<td>2</td>
</tr>
<tr>
<td>CIS 201</td>
<td>UNIX/LINUX System Administration</td>
<td>4</td>
</tr>
<tr>
<td>or CIS 206</td>
<td>MS Windows Server System Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 218</td>
<td>MS Windows Desktop System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 245</td>
<td>IT Project Management</td>
<td>4</td>
</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td>32.00</td>
</tr>
</tbody>
</table>

1. Students who completed CIS 240 are not required to complete CIS 243 Systems Analysis And Design.

### Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program.

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### 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

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

### Course Title

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 114</td>
<td>Virtualization Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS 218</td>
<td>MS Windows Desktop System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td><strong>Units</strong></td>
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<td>9</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
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<td>34.00</td>
</tr>
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</table>

**Second Year**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 200</td>
<td>Windows PowerShell</td>
<td>2</td>
</tr>
<tr>
<td>CIS 201 or CIS 206</td>
<td>UNIX/LINUX System Administration or MS Windows Server System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 245</td>
<td>IT Project Management</td>
<td>4</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td>27</td>
</tr>
</tbody>
</table>

Some of the courses are offered once a year. Check with department chair for course offerings.

### Database Programming and Applications Development, Certificate of Achievement (C)

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 107</td>
<td>Introduction to Database Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one course from the following:
Certificate of Achievement Requirements

Complete all department requirements for the certificate with a cumulative 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.

Learning Outcomes

1. Install and configure Windows desktop systems
2. Troubleshoot and diagnose problems on Windows user desktops

Help Desk and Desktop Support (Level II), Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 114</td>
<td>Virtualization Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS 218</td>
<td>MS Windows Desktop System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CNEE 102</td>
<td>Managing and Maintaining Computer Hardware - A+</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 112</td>
<td>Managing and Maintaining Computer Software - A+</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 12.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes

1. Manage IT professionals.
2. Manage IT projects.
Mac OS X Administration, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 111</td>
<td>Computer User Support</td>
<td>2</td>
</tr>
<tr>
<td>CIS 112</td>
<td>Help Desk Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS 228</td>
<td>Apple mac OS X System Administration</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units 12.00

Students must complete the above courses with a grade of "C" or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes

1. Install and configure Mac OS X on clients and servers.
2. Support Apple computers.

Microsoft SQL Server Database Administration, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 206</td>
<td>MS Windows Server System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 213</td>
<td>MS Exchange Server Administration</td>
<td>3</td>
</tr>
<tr>
<td>CIS 217</td>
<td>BlackBerry Enterprise Server System Administration</td>
<td>3</td>
</tr>
<tr>
<td>or CIS 263</td>
<td>Microsoft System Center Configuration Manager Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 218</td>
<td>MS Windows Desktop System Administration</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units 14.00

Students must complete the above courses with a grade of "C" or higher or credit in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes

1. Install, configure and administer Windows systems.
2. Secure Windows systems.

Mobile Device Administration, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 206</td>
<td>MS Windows Server System Administration</td>
<td>4</td>
</tr>
</tbody>
</table>

Total Units 10.00

Students must complete the above courses with the grade of "C" or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes

1. Automate Microsoft Office applications.
Students must complete the above courses with a grade of “C” or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

**Learning Outcomes**

1. Administer messaging servers.
2. Administer mobile devices remotely.
3. Configure synchronization of mobile data with enterprise data.

**PC Support/Network Management, Certificate of Achievement (C)**

**Requirements**

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 111</td>
<td>Computer User Support</td>
<td>2</td>
</tr>
<tr>
<td>CIS 112</td>
<td>Help Desk Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS 114</td>
<td>Virtualization Concepts</td>
<td>2</td>
</tr>
<tr>
<td>or CIS 115</td>
<td>Cloud Computing Essentials</td>
<td></td>
</tr>
<tr>
<td>CIS 200</td>
<td>Windows PowerShell</td>
<td>2</td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>CIS 201</td>
<td>UNIX/LINUX System Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 219</td>
<td>VMware vSphere System Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 228</td>
<td>Apple mac OS X System Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 206</td>
<td>MS Windows Server System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 218</td>
<td>MS Windows Desktop System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CNEE 102</td>
<td>Managing and Maintaining Computer Hardware - A+</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 112</td>
<td>Managing and Maintaining Computer Software - A+</td>
<td>3</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>Optional:</td>
<td>Work Experience in Computer Information Systems</td>
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</tr>
</tbody>
</table>

**Certificate of Achievement Requirements**

Complete all department requirements for the certificate with a cumulative 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.

**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**

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIS 111</td>
<td>Computer User Support</td>
<td>2</td>
</tr>
<tr>
<td>CIS 218</td>
<td>MS Windows Desktop System Administration</td>
<td>4</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
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<table>
<thead>
<tr>
<th>Department Requirements</th>
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<tbody>
<tr>
<td>CIS 200 Windows PowerShell</td>
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</table>

**Second Year**

**Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 112</td>
<td>Help Desk Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS 114</td>
<td>Virtualization Concepts</td>
<td>2</td>
</tr>
<tr>
<td>or CIS 115</td>
<td>Cloud Computing Essentials</td>
<td></td>
</tr>
<tr>
<td>CIS 206</td>
<td>MS Windows Server System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CNEE 102</td>
<td>Managing and Maintaining Computer Hardware - A+</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>CIS 206</td>
<td>Managing and Maintaining Computer Software - A+</td>
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**Total Units** 33

**Technical Writing, Skills Competency Award (SCA)**

<table>
<thead>
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<tbody>
<tr>
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<td>Introduction To Computers And Information Systems</td>
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</table>

<table>
<thead>
<tr>
<th>Department Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 101 Introduction To Computers And Information Systems</td>
</tr>
</tbody>
</table>
Virtualization System Administration, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>CIS 114</td>
<td>Virtualization Concepts</td>
<td>2</td>
</tr>
<tr>
<td>CIS 201</td>
<td>UNIX/LINUX System Administration</td>
<td>4</td>
</tr>
<tr>
<td>or CIS 206</td>
<td>MS Windows Server System Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 219</td>
<td>VMware vSphere System Administration</td>
<td>3</td>
</tr>
<tr>
<td>or CIS 222</td>
<td>MS Private Cloud Administration</td>
<td></td>
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<tr>
<td>Select one course from the following:</td>
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<td></td>
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<tr>
<td>CIS 225</td>
<td>Citrix XenApp Administration</td>
<td></td>
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<tr>
<td>CIS 226</td>
<td>Citrix XenDesktop Administration</td>
<td></td>
</tr>
<tr>
<td>CIS 262</td>
<td>VMware Desktop Administration</td>
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</tr>
<tr>
<td>CNEE 125</td>
<td>CCNA I: Introduction To Switching and Routing</td>
<td>5</td>
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<td></td>
<td><strong>Total Units</strong></td>
<td>17.00</td>
</tr>
</tbody>
</table>

Students must complete the above courses with a grade of “C” or higher or credit in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>CIS 201</td>
<td>UNIX/LINUX System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 206</td>
<td>MS Windows Server System Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 224</td>
<td>Apache Web Server Administration</td>
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</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CS 111</td>
<td>HTML And Webmastering</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
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</tr>
</tbody>
</table>

Students must complete the above courses with a grade of “C” or higher or credit in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.
COMPUTER NETWORK ENGINEERING

Program Description

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.

For more information on the department, visit http://www.sbcc.edu/cnee/

Program Cost and Outcome

For planning purposes, the webpage 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/Computer%20Network%20Engineering.htm

Programs of Study

Credit Programs
- Computer Network Engineering, Associate in Science (AS) (p. 180)
- Computer Network Engineering, Certificate of Achievement (C) (p. 181)
- Cisco Networking Associate, Skills Competency Award (SCA) (p. 180)

Non Credit Program
- Computer Hardware Fundamentals, Certificate of Completion (p. 180)

Cisco Networking Associate, Skills Competency Award (SCA) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNEE 125</td>
<td>CCNA I: Introduction To Switching and Routing 1</td>
<td>5</td>
</tr>
<tr>
<td>CNEE 126</td>
<td>CCNA II: Advanced Routing and Switching and Wireless 2</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Units 10.00

1 Students who completed CNEE 131 and CNEE 132 are exempt from taking CNEE 125 CCNA I: 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 and Wireless.

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

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 Hardware Fundamentals, Certificate of Completion Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
</table>
| Department Requirements
| CNEE NC071 | Tech Talk: What’s New in Computers and Technology? | 0     |
| CNEE NC103 | Keeping a PC Hard Disk Clean and Organized | 0     |

Select one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP NC070</td>
<td>Introduction to Hand-held Devices</td>
<td>0</td>
</tr>
<tr>
<td>COMP NC071</td>
<td>Tech Talk: What’s New in Computers and Technology?</td>
<td>0</td>
</tr>
</tbody>
</table>

Computer Network Engineering, Associate in Science (AS) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
</table>
| Department Requirements
| Select one course from the following: 3-4 |
| CIS 201 | UNIX/LINUX System Administration |       |
| CIS 206 | MS Windows Server System Administration |       |
| CIS 213 | MS Exchange Server Administration |       |
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNEE 101</td>
<td>Introduction To Computer Network Technology</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 102</td>
<td>Managing and Maintaining Computer Hardware - A+</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 106</td>
<td>Telecommunications And WAN</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 112</td>
<td>Managing and Maintaining Computer Software - A+</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 120</td>
<td>Fundamentals Of Network Security</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 124</td>
<td>Internetworking With Tcp/Ip</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 125</td>
<td>CCNA I: Introduction To Switching and Routing</td>
<td>5</td>
</tr>
<tr>
<td>CNEE 126</td>
<td>CCNA II: Advanced Routing and Switching and Wireless</td>
<td>5</td>
</tr>
<tr>
<td>CNEE 146</td>
<td>Firewalls and VPNs</td>
<td>4</td>
</tr>
<tr>
<td>CNEE 206</td>
<td>MS Windows Network Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td>41.00-42.00</td>
<td></td>
</tr>
</tbody>
</table>

1 Students who completed CNEE 131 and CNEE 132 are exempt from taking CNEE 125 CCNA I: 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 and Wireless.

Second Year

Fall Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNEE 120</td>
<td>Fundamentals Of Network Security</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 126</td>
<td>CCNA II: Advanced Routing and Switching and Wireless</td>
<td>5</td>
</tr>
<tr>
<td>Total Units</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 112</td>
<td>Managing and Maintaining Computer Software - A+</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 124</td>
<td>Internetworking With Tcp/Ip</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 125</td>
<td>CCNA I: Introduction To Switching and Routing</td>
<td>5</td>
</tr>
<tr>
<td>Total Units</td>
<td>14</td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Year</td>
<td></td>
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<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNEE 120</td>
<td>Fundamentals Of Network Security</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 126</td>
<td>CCNA II: Advanced Routing and Switching and Wireless</td>
<td>5</td>
</tr>
<tr>
<td>Total Units</td>
<td>8</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Semester</td>
<td></td>
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<tr>
<td>CNEE 146</td>
<td>Firewalls and VPNs</td>
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<tr>
<td>CNEE 206</td>
<td>MS Windows Network Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>CIS 206</td>
<td>MS Windows Server System Administration</td>
<td>4</td>
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<tr>
<td>Total Units</td>
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<td></td>
</tr>
</tbody>
</table>

Computer Network Engineering Certificate of Achievement (C)

Requirements

Department Requirements

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 201</td>
<td>UNIX/LINUX System Administration</td>
<td>3-4</td>
</tr>
<tr>
<td>CIS 206</td>
<td>MS Windows Server System Administration</td>
<td>3</td>
</tr>
<tr>
<td>CIS 213</td>
<td>MS Exchange Server Administration</td>
<td>4</td>
</tr>
<tr>
<td>CIS 219</td>
<td>VMware vSphere System Administration</td>
<td>4</td>
</tr>
</tbody>
</table>
Certificate of Achievement Requirements

Complete all department requirements for the certificate with a cumulative 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.

Recommended Sequence

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNEE 101</td>
<td>Introduction To Computer Network Technology</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 102</td>
<td>Managing and Maintaining Computer Hardware - A+</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 106</td>
<td>Telecommunications And WAN</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 110</td>
<td>Networking Essentials</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 112</td>
<td>Managing and Maintaining Computer Software - A+</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 120</td>
<td>Fundamentals Of Network Security</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 124</td>
<td>Internetworking With Tcp/Ip</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 125</td>
<td>CCNA I: Introduction To Switching and Routing 1</td>
<td>5</td>
</tr>
<tr>
<td>CNEE 126</td>
<td>CCNA II: Advanced Routing and Switching and Wireless 2</td>
<td>5</td>
</tr>
<tr>
<td>CNEE 146</td>
<td>Firewalls and VPNs</td>
<td>4</td>
</tr>
<tr>
<td>CNEE 206</td>
<td>MS Windows Network Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td>9</td>
<td></td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNEE 120</td>
<td>Fundamentals Of Network Security</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 124</td>
<td>Internetworking With Tcp/Ip</td>
<td>3</td>
</tr>
<tr>
<td>CNEE 125</td>
<td>CCNA I: Introduction To Switching and Routing 1</td>
<td>5</td>
</tr>
<tr>
<td>CNEE 126</td>
<td>CCNA II: Advanced Routing and Switching and Wireless 2</td>
<td>5</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td>14</td>
<td></td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td>41.00-42.00</td>
<td></td>
</tr>
</tbody>
</table>

1 Students who completed CNEE 131 and CNEE 132 are exempt from taking CNEE 125 CCNA I: 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 and Wireless.
COMPUTER SCIENCE

(See “Computer Information Systems (p. 173)” section for additional computer courses.)

Program Description

We are in the Computer Age. Virtually every occupation in the world today has an interface with computers. From the microprocessor under the hood of your automobile to the larger scale systems used by Congress to formulate new laws, we all are affected in our daily lives by computers. Never before in history has any single endeavor grown so fast or become so universally accepted.

At Santa Barbara City College, we are helping students meet the challenge presented by this new technology. Classes, from introductory to advanced topics, are designed to provide General Education, transfer and occupational training. The AS Degree requirements to follow are designed to prepare students for employment or for transfer to both the CSU and UC systems.

Preparation for Transfer

Course requirements for transfer vary depending upon the college or university a student wishes to attend. Because Computer Science is such a competitive major at many four-year schools, 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.

Program Cost and Outcome

For planning purposes, the webpage below provides information on the cost of attendance, program length (assuming a student attends full time), financing options and historical student completion rates: www.sbcc.edu/financialaid/gainfulemployment/Computer%20Science.htm

Programs of Study

Credit Programs

- Computer Science, Associate of Science (AS) (p. 183)
- Computer Science, Certificate of Achievement (C) (p. 184)
- Mobile Application Developer, Skills Competency Award (SCA) (p. 184)
- Web Programming, Skills Competency Award (SCA) (p. 185)

Computer Science, Associate of Science (AS)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 105</td>
<td>Theory and Practice I</td>
<td>3</td>
</tr>
<tr>
<td>CS 106</td>
<td>Theory and Practice II</td>
<td>3</td>
</tr>
<tr>
<td>CS 107</td>
<td>Computer Architecture and Organization</td>
<td>3</td>
</tr>
<tr>
<td>CS 108</td>
<td>Discrete Structures</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 140</td>
<td>Object-Oriented Programming Using C++</td>
<td>4</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td>Select at least 6 units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 104</td>
<td>Introduction to Programming</td>
<td></td>
</tr>
<tr>
<td>CS 111</td>
<td>HTML And Webmastering</td>
<td></td>
</tr>
<tr>
<td>CS 115</td>
<td>Javascript And Dynamic HTML</td>
<td></td>
</tr>
<tr>
<td>CS 116</td>
<td>Web Server Programming</td>
<td></td>
</tr>
<tr>
<td>CS 123</td>
<td>Android Programming</td>
<td></td>
</tr>
<tr>
<td>CS 130</td>
<td>Introduction to the Linux Operating System</td>
<td></td>
</tr>
<tr>
<td>CS 132</td>
<td>Digital Logic Design</td>
<td></td>
</tr>
<tr>
<td>CS 133</td>
<td>Introduction to Programming for Engineers</td>
<td></td>
</tr>
<tr>
<td>CS 137</td>
<td>C Programming</td>
<td></td>
</tr>
<tr>
<td>CS 165</td>
<td>Software Design Patterns</td>
<td></td>
</tr>
<tr>
<td>CS 180</td>
<td>Software Engineering With UML</td>
<td></td>
</tr>
<tr>
<td>CS 187</td>
<td>iOS Programming</td>
<td></td>
</tr>
<tr>
<td>CS 189</td>
<td>Programming Practicum</td>
<td></td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td></td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus</td>
<td></td>
</tr>
<tr>
<td>MATH 210</td>
<td>Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MATH 220</td>
<td>Differential Equations</td>
<td></td>
</tr>
<tr>
<td>PHIL 205</td>
<td>Introduction To Logic</td>
<td></td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 33.00-37.00

Note: PHYS 102 Introductory Physics For Science Majors does not count toward department requirement if either PHYS 121 Mechanics Of Solids And Fluids or PHYS 122 Electricity and Magnetism has been taken.

MATH 250/MATH 260 may also be count toward the elective requirement. A course used to satisfy one requirement may not be used to satisfy another requirement (double-counting is not allowed).

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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**

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

To satisfy the course requirements of the Computer Science major, the student is encouraged to meet with a member of the Computer Science faculty for individualized guidance. A suggested course sequence for Computer Science courses follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 104</td>
<td>Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>8</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 105</td>
<td>Theory and Practice I</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>8</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 106</td>
<td>Theory and Practice II</td>
<td>3</td>
</tr>
<tr>
<td>CS 107</td>
<td>Computer Architecture and Organization</td>
<td>3</td>
</tr>
<tr>
<td>CS Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>9</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 108</td>
<td>Discrete Structures</td>
<td>4</td>
</tr>
<tr>
<td>CS 140</td>
<td>Object-Oriented Programming Using C++</td>
<td>4</td>
</tr>
<tr>
<td>CS Elective</td>
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<td>3</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Total Units</td>
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</table>

**Mobile Application Developer, Skills Competency Award (SCA) Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department Requirements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 111</td>
<td>HTML And Webmastering</td>
<td>3</td>
</tr>
<tr>
<td>CS 120</td>
<td>Web Server Programming</td>
<td>3</td>
</tr>
<tr>
<td>CS 126</td>
<td>Web Server Programming</td>
<td>1.5</td>
</tr>
<tr>
<td>CS 127</td>
<td>Web Server Programming</td>
<td>1.5-3</td>
</tr>
<tr>
<td>CS 116</td>
<td>Web Server Programming</td>
<td>3</td>
</tr>
<tr>
<td>CS 187</td>
<td>iOS Programming</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Units</td>
<td>9.00-10.50</td>
</tr>
</tbody>
</table>

1. CS 120 and CS 125 are no longer offered at SBCC. Students pursuing the Skills Competency Award in Web Programming should consult with the Computer Science Department Chair, Dean Nevens, to arrange for appropriate course substitutions to fulfill these requirements.

Students must complete the above courses with a grade of "C" or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

**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.

Web Programming, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select one from the following:</td>
<td>4-4.5</td>
</tr>
<tr>
<td></td>
<td><strong>CIS 230</strong> Active Server Pages Using Visual Basic</td>
<td>4</td>
</tr>
<tr>
<td>or CS 125 and CS 127 ¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CS 111</td>
<td>HTML And Webmastering</td>
<td>3</td>
</tr>
<tr>
<td>CS 115</td>
<td>Javascript And Dynamic HTML</td>
<td>3</td>
</tr>
<tr>
<td>CS 116</td>
<td>Web Server Programming</td>
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</tr>
<tr>
<td>CS 120 ¹</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>20.00-20.50</td>
</tr>
</tbody>
</table>

¹ CS 120 and CS 125 are no longer offered at SBCC. Students pursuing the Skills Competency Award in Web Programming should consult with the Computer Science Department Chair, Dean Nevins, to arrange for appropriate course substitutions to fulfill these requirements.

Students must complete all courses with a grade of "C" or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes

1. Write applets using the Java Language.
2. Use the Java Abstract Windowing Toolkit to develop user interfaces.
3. Write simple & advanced HTML.
4. Write JavaScript programs and embed them into web pages.
5. Understand XML technology and its applications.
6. Write programs using the PERL language.
7. Write programs using PHP and ASP.
8. Connect simple databases to the web.
9. Understand how Python & TCL can be used in web sites.
10. Understand Cascading Style Sheets (CSS) and their application.
CONSTRUCTION TECHNOLOGY

Program Description
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, CT 118 Measuring and Calculating, and CT 119 Construction Remodel—are designed for students who have completed CT 110 Beginning Construction, or those with a minimum of one year of carpentry experience. CT 290 Work Experience In Construction Trades combines on-the-job training with classroom instruction.

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 Patrick Foster at (805) 455-3187.

For more information on the department, visit http://www.sbcc.edu/constructiontrades/

Programs of Study
Credit Programs
• Construction Technology, Associate in Science (AS) (p. 186)
• Construction Technology, Certificate of Achievement (C) (p. 187)

Noncredit Programs
• Construction Technology, Non Credit Construction Module, Certificate of Completion (p. 186)

Construction Module - Certificate of Completion

Requirements

Learning Outcomes
1. Use basic and intermediate construction tools (nail gun, skill saw, table saw, jig saw, chop saw) safely
2. Demonstrate understanding of jobsite safety
3. Demonstrate understanding of construction industry work ethic
4. Analyze the complete construction process (estimating through framing, finish, and electrical)
5. Demonstrate basic measuring and estimating

Construction Technology, Associate in Science (AS)

Requirements

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 119 Construction Remodel 4.7
CT 122 Building Green 6
CT 124 Building Performance 3

Total Units 41.10

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
2. Complete a general education option (Option 1: SBCC General Education and Institutional and Information Competency; Option 2: IGEC; Option 3: CSU GE Breadth). General Education options allowed for each Associate Degree program vary. Refer to http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
Construction Technology, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>CT 110</td>
<td>Beginning Construction</td>
<td>4.7</td>
</tr>
<tr>
<td>CT 111</td>
<td>Beginning Construction Trades</td>
<td>4.7</td>
</tr>
<tr>
<td>CT 112</td>
<td>Framing</td>
<td>3</td>
</tr>
<tr>
<td>CT 113</td>
<td>Roof Framing</td>
<td>3</td>
</tr>
<tr>
<td>CT 114</td>
<td>Beginning Finish Carpentry</td>
<td>3</td>
</tr>
<tr>
<td>CT 115</td>
<td>Intermediate Finish Carpentry</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one course from the following:</td>
<td>3-4.7</td>
</tr>
<tr>
<td>CT 116</td>
<td>Blueprint Reading</td>
<td></td>
</tr>
<tr>
<td>CT 118</td>
<td>Measuring and Calculating</td>
<td></td>
</tr>
<tr>
<td>CT 119</td>
<td>Construction Remodel</td>
<td></td>
</tr>
<tr>
<td>CT 122</td>
<td>Building Green</td>
<td>6</td>
</tr>
<tr>
<td>CT 124</td>
<td>Building Performance</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 33.40-35.10

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.
COSMETOLOGY

Program Description
The Cosmetology Department prepares students to become the creative, well-trained professionals demanded by today’s beauty industry. Programs qualifying graduates to take the California State Board licensing examinations in Cosmetology, Esthetician and Manicure are available. Lecture and “hands-on” training is provided at the SBCC Cosmetology Academy.

For more information on the department, visit http://www.sbcc.edu/cosmetology/

Application Procedures
1. Complete a Cosmetology Academy application. To download and print an application, www.sbcc.edu/cosmetology (http://www.sbcc.edu/cosmetology). To pick up an application, visit the Cosmetology Academy, 5160 Hollister Ave., in the Magnolia Shopping Center.
2. Mail or deliver your completed application to the SBCC Cosmetology Academy at the address on the application.
3. Attend the required orientation meeting at the assigned time. Note: Placement in a class is based on the number of spaces available, the postmark or delivery date of completed applications, and attendance at the mandatory orientation meeting before the class starting date.
4. After attending the orientation, submit a Santa Barbara City College application to the Office of Admissions & Records in the Student Services Building on campus.

To request an application, call the Cosmetology Academy, (805) 683-4191, ext. 2.

Cosmetology Academy Orientation Meetings
Accepted students must attend the specific orientation meeting a few weeks before the class they wish to enter. At the meeting, detailed program information will be provided, the Academy may be toured, and signed enrollment cards will be awarded for available space in the upcoming class. Meeting attendance alone cannot guarantee placement in a class; please see item 3 in the preceding section.

Cosmetology Program
The Cosmetology Program develops expertise in the science and techniques of hair, skin, makeup and nail care. Upon successful completion of 1,600 clock hours of applied preparation in lecture and lab experience in CSMT 131 Esthetician Training-Module 1 and CSMT 132 Esthetician Training-Module 2, the student is eligible to take the State Board examination to become a licensed esthetician.

To qualify for this exam, the graduate must be 17 or older, have completed the minimum program requirements, and have proof of completing at least the 10th grade and legal California residency.

Esthetician Program
The Esthetician Program meets the 600-hour requirement in two 12-unit, 360-hour course modules that are designed to develop skill sets in the science and techniques of administering skin care treatments and expertly applied makeup. Upon successful completion of the 600 clock hours of applied preparation in lecture and lab experience in CSMT 131 Esthetician Training-Module 1 and CSMT 132 Esthetician Training-Module 2, the student is eligible to take the State Board examination to become a licensed esthetician.

To qualify for this exam, the graduate must be 17 or older, have completed the minimum program requirements, and have proof of completing at least the 10th grade and legal California residency.

Program Cost and Outcome
For planning purposes, the webpage below provides information on the cost of attendance, program length (assuming a student attends full time), financing options and historical student completion rates: www.sbcc.edu/financialaid/gainfulemployment/Cosmetology.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Cosmetology.htm)

Programs of Study
Credit Programs
• Cosmetology, Associate in Science (AS) (p. 188)
• Cosmetology, Certificate of Achievement (C) (p. 189)
• Esthetician, Skills Competency Award (SCA): Level 1 (p. 189)
• Esthetician, Skills Competency Award (SCA): Level 2 (p. 189)

Cosmetology, Associate in Science (AS)

Requirements
An AS Degree in Cosmetology can be obtained by satisfying the Certificate of Achievement in Cosmetology requirements and the General Education and institutional requirements for the Associate in Science Degree. See “Graduation Requirements” in the Catalog Index.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSMT 121</td>
<td>Introduction to Cosmetology-Module 1</td>
<td>12</td>
</tr>
<tr>
<td>CSMT 122</td>
<td>Introduction to Cosmetology-Module 2</td>
<td>12</td>
</tr>
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<td>CSMT 123</td>
<td>Introduction to Cosmetology-Module 3</td>
<td>12</td>
</tr>
<tr>
<td>CSMT 124</td>
<td>Introduction to Cosmetology-Module 4</td>
<td>12</td>
</tr>
<tr>
<td>CSMT 125</td>
<td>Introduction to Cosmetology-Module 5</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Units 60.00

Students must complete all department requirements for the certificate with a cumulative GPA of 2.0 or better.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:
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
4. Apply all phases of hair coloring and lightening
5. Create styles, using basic and advanced techniques
6. Administer facials, hair removal techniques and makeup services to provide care for the skin
7. Provide basic nail care and artificial nail techniques
8. Utilize safety and sanitary procedures for all clients

Esthetician, Skills Competency Award (SCA): Level 1

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSMT 131</td>
<td>Esthetician Training-Module 1</td>
<td>12</td>
</tr>
</tbody>
</table>

Total Units: 12.00

Students must complete the above course with a grade of “C” or better or “Pass”.

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.
7. Exemplify satisfactory work habits.
8. Apply professional trade ethics and job responsibilities.
9. Model problem solving skills.
11. Demonstrate criteria for professional image.
12. Participate as a team player.
13. Exhibit individual responsibility.
A Certificate of Achievement in SCAHM is awarded for successful completion of all required SCAHM units with an overall GPA of 2.0 in these units. An Associate in Science Degree is earned by completing all college GE requirements, plus the SCAHM requirements, with an overall GPA of 2.0. The department also offers three Skills Competency Awards, two in the Hospitality Program and one in the Culinary Program.

Program Description
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.

For more information on the department, visit [http://www.sbcc.edu/</culinaryhotel/](http://www.sbcc.edu/</culinaryhotel/)

Work Experience
Students select one of the following two areas of specialization:

1. Hotel
2. Culinary

An integral part of each specialization is an off-campus industry-based work experience related to the students’ area of specialization.

Students are enrolled in a work experience, which opens career opportunities in the hospitality industry and further supplements laboratory experiences that expose them to their chosen field of interest within the diverse areas of hospitality.

Honors and Awards
The School of Culinary Arts and Hotel Management Program is fortunate to be able to award several scholarships (varying from $50 to $1,500) each semester.

Advising
Our faculty is eager to counsel students exploring career opportunities in the hospitality industry. For academic counseling, call ext. 2285.

Program Acceptance
Applications for the Culinary Program should be submitted to the School of Culinary Arts and Hotel Management (SCAHM) Department. Call the department at (805) 965-0581, ext. 2458, for program information and to schedule an appointment and tour.

Program Cost and Outcome
For planning purposes, the webpages below provide information on the cost of attendance, program length (assuming a student attends full time), financing options and historical student completion rates:

Culinary Arts
[http://www.sbcc.edu/financialaid/gainfulemployment/Culinary%20Arts.htm](http://www.sbcc.edu/financialaid/gainfulemployment/Culinary%20Arts.htm)

Hotel Management
[http://www.sbcc.edu/financialaid/gainfulemployment/Hospitality.htm](http://www.sbcc.edu/financialaid/gainfulemployment/Hospitality.htm)

Programs of Study
Credit Programs
- Culinary Arts, Associate in Science (AS) (p. 191)
- Hospitality, Associate in Science (AS) (p. 193)
- Culinary Arts, Certificate of Achievement (C) (p. 191)
- Hospitality, Certificate of Achievement (C) (p. 193)
- Baking and Pastry, Skills Competency Award (SCA) (p. 190)
- Hospitality Operations Specialist, Skills Competency Award (SCA) (p. 192)
- Human Resource Hospitality Specialist, Skills Competency Award (SCA) (p. 194)
- Personal Chef Training, Skills Competency Award (SCA) (p. 194)

Non Credit Program
- ServSafe Food Safety Preparation, Certificate Completion (p. 194)

Baking and Pastry, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 113</td>
<td>Hospitality Sanitation And Safety</td>
<td>2</td>
</tr>
<tr>
<td>CA 124</td>
<td>Principles Of Baking</td>
<td>2</td>
</tr>
<tr>
<td>CA 214</td>
<td>Advanced Artisan Baking</td>
<td>2</td>
</tr>
<tr>
<td>CA 270</td>
<td>Advanced Pastry Arts</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units: 8.00

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

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.
Culinary Arts, Associate in Science (AS)

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
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<td>Select one from the following:</td>
<td>2-4</td>
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</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td></td>
</tr>
<tr>
<td>COMP 103 &amp; COMP 123</td>
<td>Internet Communications</td>
<td></td>
</tr>
<tr>
<td>CA 113</td>
<td>Hospitality Sanitation And Safety</td>
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</tr>
<tr>
<td>CA 115A</td>
<td>Catering Prep</td>
<td>0.5</td>
</tr>
<tr>
<td>CA 116</td>
<td>Introduction To The Food Service Profession</td>
<td>2</td>
</tr>
<tr>
<td>CA 117</td>
<td>Culinary Fundamentals I</td>
<td>2</td>
</tr>
<tr>
<td>CA 121</td>
<td>Principles Of Pantry</td>
<td>2</td>
</tr>
<tr>
<td>CA 124</td>
<td>Principles Of Baking</td>
<td>2</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td><strong>12.50-14.50</strong></td>
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<tr>
<td><strong>Spring Semester</strong></td>
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<td></td>
</tr>
<tr>
<td>CA 111</td>
<td>Hospitality Controls</td>
<td>2</td>
</tr>
<tr>
<td>CA 115B</td>
<td>Catering Service</td>
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</tr>
<tr>
<td>CA 129</td>
<td>Purchasing And Receiving</td>
<td>2</td>
</tr>
<tr>
<td>CA 200</td>
<td>Food Service Practicum</td>
<td>2</td>
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<tr>
<td>CA 217</td>
<td>Culinary Fundamentals II</td>
<td>2</td>
</tr>
<tr>
<td>CA 224</td>
<td>Pastry Practicum</td>
<td>2</td>
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<tr>
<td><strong>Units</strong></td>
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<td><strong>Second Year</strong></td>
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<tr>
<td><strong>Fall Semester</strong></td>
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<tr>
<td>CA 115C</td>
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<tr>
<td>CA 134</td>
<td>Hospitality Supervision</td>
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<tr>
<td>CA 201</td>
<td>Wines</td>
<td>2</td>
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<tr>
<td>CA 203</td>
<td>Restaurant Service And Production</td>
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<tr>
<td>CA 230</td>
<td>Food Service: Nutrition</td>
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<tr>
<td><strong>Spring Semester</strong></td>
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<td></td>
</tr>
<tr>
<td>CA 115D</td>
<td>Catering Organization</td>
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<tr>
<td>CA 204</td>
<td>Advanced Restaurant And Culinary</td>
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</tr>
<tr>
<td>CA 215</td>
<td>Modern Food: Style, Design, Theory And Production</td>
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</tr>
<tr>
<td>CA 261</td>
<td>Restaurant Ownership</td>
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<tr>
<td>Select two of the following:</td>
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</tr>
<tr>
<td>CA 211</td>
<td>Garde Manger</td>
<td></td>
</tr>
<tr>
<td>CA 214</td>
<td>Advanced Artisan Baking</td>
<td></td>
</tr>
<tr>
<td>CA 236</td>
<td>Meat Analysis</td>
<td></td>
</tr>
<tr>
<td>CA 270</td>
<td>Advanced Pastry Arts</td>
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</tr>
<tr>
<td><strong>Units</strong></td>
<td><strong>12.50</strong></td>
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</tr>
<tr>
<td><strong>Total Units</strong></td>
<td><strong>50-52</strong></td>
<td></td>
</tr>
</tbody>
</table>

Transfer students should see a counselor to determine specific business and GE courses in which to enroll.

Certificate of Achievement Requirements: Students must complete all department requirements for the certificate with a cumulative 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.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Learning Outcomes

1. The students will be able to apply the concepts and techniques of sanitation to a food service environment.
2. The students will be able to demonstrate the ability to work in a professional bakery.
3. The students will be able to demonstrate the ability to work in a professional kitchen as a line and pantry cook.
4. The students will be able to demonstrate the ability to work in a variety of dining room environments as a bus-person, waiter, table captain and sommelier.
5. The students will be able to demonstrate the knowledge and skills needed to serve a variety of beverages in a food service establishment.
6. The students will be able to demonstrate the relation of food to health and well being.
7. The students will be able to demonstrate an understanding of the knowledge needed to be a supervisor in a food service establishment.

Culinary Arts, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td></td>
</tr>
<tr>
<td>COMP 103 &amp; COMP 123</td>
<td>Internet Communications</td>
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<tr>
<td>CA 113</td>
<td>Hospitality Sanitation And Safety</td>
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</tr>
<tr>
<td><strong>Units</strong></td>
<td><strong>2-4</strong></td>
<td></td>
</tr>
</tbody>
</table>

Note: All Restaurant/Culinary students must complete 3 units of CA 290 Work Experience For Culinary Arts Students, prior to receiving an SCAHM degree or certificate.
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>CA 115A</td>
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<tr>
<td>CA 116</td>
<td>Introduction To The Food Service</td>
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</tr>
<tr>
<td>CA 117</td>
<td>Culinary Fundamentals I</td>
<td>2</td>
</tr>
<tr>
<td>CA 121</td>
<td>Principles Of Pantry</td>
<td>2</td>
</tr>
<tr>
<td>CA 124</td>
<td>Principles Of Baking</td>
<td>2</td>
</tr>
</tbody>
</table>

Units: 12.50-14.50

Spring Semester

- CA 111 Hospitality Controls: 2 units
- CA 115B Catering Service: 0.5 units
- CA 129 Purchasing And Receiving: 2 units
- CA 200 Food Service Practicum: 2 units
- CA 217 Culinary Fundamentals II: 2 units
- CA 224 Pastry Practicum: 2 units

Units: 10.50

Second Year

Fall Semester

- CA 115C Catering Kitchen: 0.5 units
- CA 134 Hospitality Supervision: 2 units
- CA 201 Wines: 2 units
- CA 203 Restaurant Service And Production: 8 units
- CA 230 Food Service: Nutrition: 2 units

Units: 14.50

Spring Semester

- CA 115D Catering Organization: 0.5 units
- CA 204 Advanced Restaurant And Culinary: 4 units
- CA 215 Modern Food: Style, Design, Theory And Production: 2 units
- CA 261 Restaurant Ownership: 2 units
- Select two of the following: 4 units
  - CA 211 Garde Manger
  - CA 214 Advanced Artisan Baking
  - CA 236 Meat Analysis
  - CA 270 Advanced Pastry Arts

Units: 12.50

Total Units: 50-52

Note: All Restaurant/Culinary students must complete 3 units of CA 290 Work Experience For Culinary Arts Students, prior to receiving an SCAHM degree or certificate.

Transfer students should see a counselor to determine specific business and GE courses in which to enroll.

Certificate of Achievement Requirements: Students must complete all department requirements for the certificate with a cumulative 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.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Learning Outcomes

1. The students will be able to apply the concepts and techniques of sanitation to a food service environment.
2. The students will be able to demonstrate to use of proper purchasing, storage and costing techniques to profitably operate a food service establishment.
3. The students will be able to demonstrate the ability to work in a professional bakery.
4. The students will be able to demonstrate the ability to work in a professional kitchen as a line and pantry cook.
5. The students will be able to demonstrate the ability to work in a variety of dining room environments as a bus-person, waiter, table captain and sommelier.
6. The students will be able to demonstrate the knowledge and skills needed to serve a variety of beverages in a food service establishment.
7. The students will be able to demonstrate the relation of food to health and well being. PSLO 8. The students will be able to demonstrate an understanding of the knowledge needed to be a supervisor in a food service establishment.

Hospitality Operations Specialist, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>HM 150</td>
<td>Hospitality Law</td>
<td>3</td>
</tr>
<tr>
<td>HM 151</td>
<td>Front Office Operations</td>
<td>3</td>
</tr>
<tr>
<td>HM 152</td>
<td>Housekeeping Operations</td>
<td></td>
</tr>
<tr>
<td>HM 153</td>
<td>Food And Beverage Operations</td>
<td></td>
</tr>
<tr>
<td>HM 258</td>
<td>Security And Loss Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 9.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

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 in Science (AS) Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td>4</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>CA 113</td>
<td>Hospitality Sanitation And Safety</td>
<td>2</td>
</tr>
<tr>
<td>CA 117</td>
<td>Culinary Fundamentals I</td>
<td>2</td>
</tr>
<tr>
<td>CA 121</td>
<td>Principles Of Pantry</td>
<td>2</td>
</tr>
<tr>
<td>CA 200</td>
<td>Food Service Practicum</td>
<td>2</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>HM 290</td>
<td>Hotel Work Experience</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Select 4 courses from the following: 12 units
- 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 34.00-35.00

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

2. Complete a general education option (Option 1: SBCC General Education and Institutional and Information Competency; Option 2: IGTC; Option 3: CSU GE Breadth). General Education options allowed for each Associate Degree program vary. Refer to http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**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**

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
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<td></td>
</tr>
<tr>
<td>CA 113</td>
<td>Hospitality Sanitation And Safety</td>
<td>2</td>
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<tr>
<td>Select one of the four HM elective courses</td>
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<tr>
<td>Units</td>
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<tr>
<td>Spring Semester</td>
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</tr>
<tr>
<td>CA 117</td>
<td>Culinary Fundamentals I</td>
<td>2</td>
</tr>
<tr>
<td>CA 121</td>
<td>Principles Of Pantry</td>
<td>2</td>
</tr>
<tr>
<td>Select one of the four HN elective courses</td>
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<tr>
<td>Units</td>
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<tr>
<td>Summer Semester</td>
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<td></td>
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<tr>
<td>HM 290</td>
<td>Hotel Work Experience</td>
<td>3</td>
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Second Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>CA 200</td>
<td>Food Service Practicum</td>
<td>2</td>
</tr>
<tr>
<td>Select one of the four HM elective courses</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Units</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCT 110</td>
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<td>4</td>
</tr>
<tr>
<td>BUS 103</td>
<td>Business Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Select one of the four HM elective courses</td>
<td>3</td>
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</tr>
<tr>
<td>Units</td>
<td>10</td>
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<td>Total Units</td>
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</tbody>
</table>

**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

#### Code | Title | Units
--- | --- | ---
ACCT 110 | Introduction to Accounting | 4
BUS 103 | Business Mathematics | 3
CA 113 | Hospitality Sanitation And Safety | 2
CA 117 | Culinary Fundamentals I | 2
CA 121 | Principles Of Pantry | 2
CA 200 | Food Service Practicum | 2
COMP 101 | Introduction to Computer Applications | 4
HM 290 | Hotel Work Experience | 3-4

Select 4 courses from the following:

- HM 150 | Hospitality Law | 3
- HM 151 | Front Office Operations | 3
- HM 152 | Housekeeping Operations | 3
- HM 153 | Food And Beverage Operations | 3
- HM 256 | Supervision In The Hospitality Industry | 3
- HM 257 | Hospitality Sales and Marketing | 3
- HM 258 | Security And Loss Management | 3
- HM 259 | Training And Development Skills For Hospitality Professionals | 3

**Total Units:** 34.00-35.00

#### 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.

### Human Resource Hospitality Specialist, Skills Competency Award (SCA)

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>HM 256</td>
<td>Supervision In The Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HM 257</td>
<td>Hospitality Sales and Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HM 259</td>
<td>Training And Development Skills For Hospitality Professionals</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units:** 9.00

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

#### 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)

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA 113</td>
<td>Hospitality Sanitation And Safety</td>
<td>2</td>
</tr>
<tr>
<td>CA 117</td>
<td>Culinary Fundamentals I</td>
<td>2</td>
</tr>
<tr>
<td>CA 124</td>
<td>Principles Of Baking</td>
<td>2</td>
</tr>
<tr>
<td>CA 201</td>
<td>Wines</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Units:** 8.00

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

#### 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.

### ServSafe Food Safety Preparation, Certificate Program

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA NC013</td>
<td>ServSafe Food Safety Preparation Certificate: Module A</td>
<td>0</td>
</tr>
<tr>
<td>CA NC014</td>
<td>ServSafe Food Safety Preparation Certificate: Module B</td>
<td>0</td>
</tr>
</tbody>
</table>

Students must complete the above courses with a grade of "C" or higher or credit in all courses.
DISABILITY SERVICES AND PROGRAMS FOR STUDENTS (DSPS)

dspshelp@sbcc.edu or ext. 2364 (Voice)
(Also see DSPS under “Student Services (p. 31).”)

Disability Services and Programs for Students provides educational support services and reasonable accommodations for students with verified disabilities who are enrolled in courses at SBCC. In addition, the following courses are being offered.
DRAFTING/CAD

Program Description
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.

For more information on the department, visit http://www.sbcc.edu/drafting/

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., bachelor’s degree, associate degree, or certificate programs.
2. Career and occupational goals, i.e., professional, paraprofessional, technical, occupational, or trade.
3. Program majors, such as Architecture, Engineering, Computer Science, Graphic Design, Electronic/Computer Technology and others.
4. The Drafting/CAD Department advises the student to make the choice between pursuing Architectural Drafting or Mechanical Drafting early in his/her education.

Note: Students who have completed the Certificate of Completion requirements can continue on to the Associate in Science Degree by satisfying General Education and SBCC requirements for the AS Degree.

Honors and Awards
The Drafting/CAD Department selects one student each year as “Outstanding Student.” Selections are made by the department faculty and are based on academic achievement and service to the college.

Tutorial Opportunities
Each semester, the Drafting/CAD Department is allocated funds to hire student tutors. Students who have performed well in a course and who demonstrate interest in teaching are selected by the department to tutor students currently enrolled in courses. The purpose of this program is two-fold. Students currently taking courses receive excellent peer tutoring and tutors learn the techniques of teaching. Tutors also find that to teach is to learn.

Special Department Resources
A wide range of resources is available to all students enrolled in the Drafting/CAD Program. Students have access to exceptionally well-equipped laboratories with modern drafting furniture, computers, machines and supplies. Blueprinting facilities are available. Light tables and special mapping tables are available in the Drafting laboratory. A CAD (Computer-Assisted Drafting) laboratory is the department’s latest modern facility addition.

The department sponsors several events, programs and services to help the student become better acquainted with the professional world of drafting. These include seminars, guest lectures, films, internships and work experience liaison with area employers.

Advising
In addition to the college counselor for the Drafting/CAD Department and the Career Center, the Department Chairperson advises students who are planning academic, professional or occupational programs and investigating career goals. Contact, Armando M. Arias del Cid, OE-24, (805) 965-0581, ext. 2436.

Program Cost and Outcome
For planning purposes, the webpage below provides information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates: www.sbcc.edu/financialaid/gainfulemployment/Drafting%20CAD.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Drafting%20CAD.htm)
## Programs of Study

### Credit Programs
- Drafting/CAD, Associate in Science (AS) (p. 197)
- Drafting/CAD, Certificate of Achievement (C) (p. 197)

## Drafting/CAD, Associate in Science (AS)

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRFT 101</td>
<td>Basic Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 130</td>
<td>Computer-Assisted Drafting And Design I</td>
<td>5</td>
</tr>
<tr>
<td>DRFT 131</td>
<td>Computer-Assisted Drafting And Design II</td>
<td>5</td>
</tr>
</tbody>
</table>

**Drafting Electives**
Select 15 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRFT 120</td>
<td>Architectural Drafting I</td>
</tr>
<tr>
<td>DRFT 121</td>
<td>Architectural Drafting II</td>
</tr>
<tr>
<td>DRFT 124</td>
<td>Architectural Rendering I</td>
</tr>
<tr>
<td>DRFT 125</td>
<td>Architectural Rendering II</td>
</tr>
<tr>
<td>DRFT 126</td>
<td>Landscape Drafting I</td>
</tr>
<tr>
<td>or EH 126</td>
<td>Landscape Drafting I</td>
</tr>
<tr>
<td>DRFT 127</td>
<td>Landscape Drafting II</td>
</tr>
<tr>
<td>or EH 127</td>
<td>Landscape Drafting II</td>
</tr>
<tr>
<td>DRFT 129</td>
<td>Principles Of Residential Construction</td>
</tr>
<tr>
<td>DRFT 132</td>
<td>CAD Drafting/Design III</td>
</tr>
<tr>
<td>DRFT 290</td>
<td>Work Experience In Drafting</td>
</tr>
<tr>
<td>DRFT 299</td>
<td>Independent Study In Drafting</td>
</tr>
<tr>
<td>ENGR 105</td>
<td>Engineering Graphics</td>
</tr>
<tr>
<td>MAT 136</td>
<td>Computer Animation I</td>
</tr>
<tr>
<td>MAT 137</td>
<td>Visual Effects for Film, Television and Gaming</td>
</tr>
<tr>
<td>MAT 138</td>
<td>3-D Character Animation</td>
</tr>
</tbody>
</table>

**Controlled Electives**
Select 3 units from the following: 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGR 115</td>
<td>Statics And Strength Of Materials</td>
</tr>
<tr>
<td>ENGR 117</td>
<td>Electronic Circuits</td>
</tr>
<tr>
<td>ENGR 117L</td>
<td>Electronic Circuits Laboratory (ENGR 140 will also satisfy this requirement)</td>
</tr>
</tbody>
</table>

**Total Units**: 31.00

1 ENGR 140 will also satisfy this requirement

**Note**: Up to 16 of the 18 units of electives required may be DRFT 290 Work Experience In Drafting

**Students must complete all department requirements for the certificate with a cumulative GPA of 2.0 or better.**

## Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

## 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.

## Drafting/CAD, Certificate of Achievement (C)

### Requirements

(See Sample Program)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRFT 101</td>
<td>Basic Drafting</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 130</td>
<td>Computer-Assisted Drafting And Design I</td>
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<tr>
<td>DRFT 131</td>
<td>Computer-Assisted Drafting And Design II</td>
<td>5</td>
</tr>
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</table>

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Select 15 units from the following:

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<td>DRFT 121</td>
<td>Architectural Drafting II</td>
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<tr>
<td>DRFT 124</td>
<td>Architectural Rendering I</td>
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<tr>
<td>DRFT 125</td>
<td>Architectural Rendering II</td>
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<tr>
<td>DRFT 126</td>
<td>Landscape Drafting I</td>
</tr>
<tr>
<td>or EH 126</td>
<td>Landscape Drafting I</td>
</tr>
<tr>
<td>DRFT 127</td>
<td>Landscape Drafting II</td>
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<td>Work Experience In Drafting</td>
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<td>DRFT 299</td>
<td>Independent Study In Drafting</td>
</tr>
<tr>
<td>ENGR 105</td>
<td>Engineering Graphics</td>
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<td>MAT 137</td>
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</tr>
</tbody>
</table>

**Controlled Electives**
Select 3 units from the following: 1

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</tr>
</thead>
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<tr>
<td>ENGR 115</td>
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</tr>
<tr>
<td>ENGR 117</td>
<td>Electronic Circuits</td>
</tr>
<tr>
<td>ENGR 117L</td>
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</tr>
</tbody>
</table>

**Total Units**: 31.00

1 ENGR 140 will also satisfy this requirement
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 138</td>
<td>3-D Character Animation</td>
</tr>
</tbody>
</table>

**Controlled Electives**

Select 3 units from the following:  

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<td>Statics And Strength Of Materials</td>
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<td>ENGR 117</td>
<td>Electronic Circuits</td>
</tr>
<tr>
<td>ENGR 117L</td>
<td>Electronic Circuits Laboratory (ENGR 140 will also satisfy this requirement)</td>
</tr>
</tbody>
</table>

**Total Units**  

| Total Units | 31.00 |

1 ENGR 140 also satisfies this requirement

*Note: Up to 16 of the 18 units of electives required may be DRFT 290 Work Experience in Drafting*

*Students must complete all department requirements for the certificate with a cumulative GPA of 2.0 or better.*
EARLY CHILDHOOD EDUCATION

Program Description

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 Orfalea 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 additional 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 the next page of this Catalog.

For more information on the department, visit http://www.sbcc.edu/earlychildhoodeducation/

Conditions of Enrollment

If, at any time, the ECE Department Chair, in consultation with ECE faculty and staff, determines the student's conduct or physical or emotional health is a potential threat to the well-being of children and/or their families, appropriate intervention (which may include dismissal from the program) shall take place.

For the lab courses, ECE 103 Foundations of ECE I Principles and ECE 104 Foundations of ECE II Practicum, a fingerprint clearance and a TB clearance are required. TB skin tests are available to students for free at the Health and Wellness Office. Call extension 2298 to request details about testing. Information regarding the fingerprint clearance can be obtained from the Laboratory Teaching Assistant at extension 2554.

Progression through and completion of this program requires the attainment of a minimum grade of “C” in each required and elective course in the ECE major.

Professional Development Program

The growing needs and interests of community child development teachers and parents of young children provide the basis for the development of course offerings specifically geared to these populations. Part-time enrollment for professional development and enrichment purposes is encouraged, and courses are applicable to the degree, as well. Community individuals are encouraged to enroll in topics courses (ECE 150 to ECE 157), particularly, because they are designed to be of use to the part-time student already involved in work or relationships with young children.

Other major courses may be taken, as well, on a part-time schedule, as long as prerequisites are met. Contact the ECE Department for current course offerings and information.

Planning a Program of Study

Understanding typical stages of childhood growth and development is essential for further study in the area of Early Childhood Education. Therefore, it is advised that all new students in the ECE Program complete or be concurrently enrolled in ECE 120 Child Growth and Development/Educators (Child Development) or PSY 140 Child Development during their first year's work.

The course of study is sequential. Therefore, prerequisite course listings must be followed. This necessitates planning the full year’s schedule in the Fall, if possible, to prevent missing a course offering or creating an overload during a particular semester.

New and continuing students should make an appointment for program planning with the ECE faculty adviser before registering.

For the student who is intending to transfer, it is important to be fully aware of the four-year institution's requirements and transferable courses. The SBCC Counseling Center can be of particular help in this area.

Honors and Awards

Early Childhood Education Internships

Each spring, ECE majors in the department may apply for paid internship positions at Orfalea Early Learning Center and Starr-King Parent-Child Workshop.

State Conference Scholarships

Each year, the Santa Barbara Association for the Education of Young Children offers one or more scholarships to full-time Early Childhood Education majors who are current members of SBAEYC and who can demonstrate financial need. The scholarship is given to defer the cost of registration for the annual state conference, which provides workshops, nationally known speakers in the field, tours of various programs for young children and opportunities for interaction between early childhood educators throughout the state.

SBCC Foundation Scholarships

Each year a variety of scholarships are available to ECE majors. Currently students may be eligible for an Adelle Davis Foundation Scholarship, Sue and J.W. Colin Scholarship, Montecito Rotary CTE Scholarship or
the Simms/Mann Family/Bernard Osher Foundation Scholarships. First 5 of Santa Barbara County also offers financial incentives for students working in the field.

**Special Department Resources**

**On-Campus/Off-Campus Practicum Experiences**

The ECE Program is fortunate to have a close working relationship with the state-funded SBCC Orfalea Early Learning Center. The staff supervises and trains ECE students in the program while modeling teaching behaviors and principles of education for young children presented in a theoretical format in Early Childhood Education courses.

The student teaching laboratory facility was designed with student teaching in mind, as well as the developmental needs of young children.

Additionally, ECE students may obtain lab experience in off-campus infant-toddler or bilingual-bicultural programs through the Early Childhood Education Mentor Teacher Program.

A variety of settings and types of child development programs, such as church-related or employer-sponsored children’s centers, bilingual programs, parent-child workshops, Montessori schools and campus child care centers, are available for placement after meeting specific criteria.

**Child Development Training Consortium**

With a grant from the California Department of Education, the ECE Department provides special courses and partial reimbursement for SBCC fees to those students who are currently employed in child development programs and are working to complete the next level of licensing and certification requirements.

**Advising**

Prospective students need to be advised of the course options, prerequisites, etc. before entering in the fall or spring. This consultation and advising during the school year is done by the ECE Department faculty. For information not covered in this Catalog, or for an appointment, call (805) 965-0581, ext. 2290 or 2859.

**Program Cost and Outcome**

For planning purposes, the webpages to follow provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

**Child Care Teacher**

[www.sbcc.edu/financialaid/gainfulemployment/Child%20Care%20Teacher.htm](http://www.sbcc.edu/financialaid/gainfulemployment/Child%20Care%20Teacher.htm)

**ECE Diversity Issues**

[www.sbcc.edu/financialaid/gainfulemployment/ECE%20Diversity%20Issues.htm](http://www.sbcc.edu/financialaid/gainfulemployment/ECE%20Diversity%20Issues.htm)

**ECE Early Childhood Education**

[www.sbcc.edu/financialaid/gainfulemployment/ECE%20Early%20Childhood%20Education.htm](http://www.sbcc.edu/financialaid/gainfulemployment/ECE%20Early%20Childhood%20Education.htm)

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**ECE Infant/Toddler Development**

[www.sbcc.edu/financialaid/gainfulemployment/ECE%20InfantToddler%20Development.htm](http://www.sbcc.edu/financialaid/gainfulemployment/ECE%20InfantToddler%20Development.htm)

**School-Age Care**

[www.sbcc.edu/financialaid/gainfulemployment/School-Age%20Care.htm](http://www.sbcc.edu/financialaid/gainfulemployment/School-Age%20Care.htm)

**Programs of Study**

**Credit Programs**

- Early Childhood Education, Associate in Science (AS) (p. 201)
- Early Childhood Education, Associate in Science for Transfer (AS-T) (p. 202)
- Early Childhood Education, Certificate of Achievement (C) (p. 202)
- Associate Child Care Teacher, Certificate of Achievement (C) (p. 200)
- Diversity Issues in ECE, Certificate of Achievement (C) (p. 201)
- Infant/Toddler Development, Certificate of Achievement (C) (p. 203)
- School-Age Care, Certificate of Achievement (C) (p. 204)

**Associate Child Care Teacher, Certificate of Achievement (C)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 102</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth and Development/Educators</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 140</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 290</td>
<td>Work Experience in Early Childhood Education</td>
<td>3-5</td>
</tr>
<tr>
<td>or ECE 103</td>
<td>Foundations of ECE I Principles</td>
<td>3-5</td>
</tr>
<tr>
<td></td>
<td>Select two courses from the following:</td>
<td>6-8</td>
</tr>
<tr>
<td>ECE 104</td>
<td>Foundations of ECE II Practicum</td>
<td></td>
</tr>
<tr>
<td>ECE 108</td>
<td>Creative Learning and Curriculum</td>
<td></td>
</tr>
<tr>
<td>ECE 115</td>
<td>Children’s Literature</td>
<td></td>
</tr>
<tr>
<td>ECE 121</td>
<td>Health, Safety And Nutrition For Young Children</td>
<td></td>
</tr>
<tr>
<td>ECE 123</td>
<td>Children with Special Needs</td>
<td></td>
</tr>
<tr>
<td>ECE 124</td>
<td>Working With School-Age Children</td>
<td></td>
</tr>
<tr>
<td>ECE 128</td>
<td>Observation and Assessment</td>
<td></td>
</tr>
<tr>
<td>ECE 129</td>
<td>ECE Special Education</td>
<td></td>
</tr>
<tr>
<td>ECE 132</td>
<td>Teaching in a Diverse Society</td>
<td></td>
</tr>
</tbody>
</table>

Select all department requirements 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.
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.

Diversity Issues in ECE, Certificate of Achievement (C)

Requirements
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.

Students will qualify for the Diversity Issues in ECE Certificate of Achievement when they have successfully completed the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 102</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 103</td>
<td>Foundations of ECE I Principles</td>
<td>5</td>
</tr>
<tr>
<td>ECE 104</td>
<td>Foundations of ECE II Practicum</td>
<td>5</td>
</tr>
<tr>
<td>ECE 108</td>
<td>Creative Learning and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>ECE 109</td>
<td>Family-Teacher-Child Relationships</td>
<td>3</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth and Development/Educators</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 140</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>ECE 121</td>
<td>Health, Safety And Nutrition For Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 128</td>
<td>Observation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ECE 132</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 28.00

Recommended Support Courses*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Concepts Of Biology</td>
<td>4</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>HIST 101</td>
<td>History Of The U.S. To 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 107</td>
<td>World Civilization, Beginnings To 1550</td>
<td>3</td>
</tr>
<tr>
<td>PHSC 103</td>
<td>The Physical Universe</td>
<td>4</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American Government And Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

*One semester of a foreign language is also recommended.

Note: Forty-five half-days of student teaching in an ECE Department-approved site is required. Students must complete each required course with a grade of “C” or better.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://
Recommended Sequence

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

The “core 8” courses may be completed as quickly as one academic year or they may be taken over a period of many years. Here is a suggested schedule for students who wish to complete the basic 28 units within two semesters.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 102</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 103</td>
<td>Foundations of ECE I Principles</td>
<td>5</td>
</tr>
<tr>
<td>ECE 108</td>
<td>Creative Learning and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth and Development/Educators</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Units</strong></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECE 104</td>
<td>Foundations of ECE II Practicum</td>
<td>5</td>
</tr>
<tr>
<td>ECE 121</td>
<td>Health, Safety And Nutrition For Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 128</td>
<td>Observation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ECE 132</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Units</strong></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td><strong>28</strong></td>
</tr>
</tbody>
</table>

Additional courses may be required for some certificates. Look carefully at the requirements. The additional courses may be taken at any time they are available.

Early Childhood Education, Associate in Science for Transfer (AS-T) Requirements

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 Degree in Early Childhood Education for Transfer will provide the foundational knowledge in Early Childhood Education to students who want to earn a Baccalaureate Degree in Early Childhood Education.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Department Requirements</td>
<td></td>
</tr>
<tr>
<td>ECE 102</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
</tbody>
</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Early Childhood Education, Certificate of Achievement (C) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Department Requirements</td>
<td></td>
</tr>
</tbody>
</table>

1. These courses fulfill an IGETC and/or CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for IGETC and CSU GE breadth 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 | 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

Recommended Support Courses*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 100</td>
<td>Concepts Of Biology</td>
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</tr>
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<td>COMP 101</td>
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<td>HIST 101</td>
<td>History Of The U.S. To 1877</td>
<td>3</td>
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<tr>
<td>HIST 107</td>
<td>World Civilization, Beginnings To 1550</td>
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<td>POLS 101</td>
<td>American Government And Politics</td>
<td>3</td>
</tr>
</tbody>
</table>

*One semester of a foreign language is also recommended.

Note: Forty-five half-days of student teaching in an ECE Department-approved site is required. Students must complete each required course with a grade of “C” or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

The “core 8” courses may be completed as quickly as one academic year or they may be taken over a period of many years. Here is a suggested schedule for students who wish to complete the basic 28 units within two semesters.

Infant/Toddler Development, Certificate of Achievement (C) Requirements

Outstanding career opportunities for caregivers in infant/toddler programs are increasing as the need for childcare is becoming greater. This certificate can be earned concurrently with the Early Childhood Education Certificate. See Department Chair for details.

Students will qualify for the Infant/Toddler Development Certificate of Achievement when they have successfully completed the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECE 102</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 103</td>
<td>Foundations of ECE I Principles</td>
<td>5</td>
</tr>
<tr>
<td>ECE 104</td>
<td>Foundations of ECE II Practicum</td>
<td>5</td>
</tr>
<tr>
<td>ECE 108</td>
<td>Creative Learning and Curriculum</td>
<td>3</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth and Development/ Educators</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 140</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 121</td>
<td>Health, Safety And Nutrition For Young Children</td>
<td>3</td>
</tr>
<tr>
<td>ECE 128</td>
<td>Observation and Assessment</td>
<td>3</td>
</tr>
<tr>
<td>ECE 132</td>
<td>Teaching in a Diverse Society</td>
<td>3</td>
</tr>
</tbody>
</table>
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 is required. Students must complete each required course with a grade of “C” or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

School-Age Care, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>ECE 102</td>
<td>Child, Family and Community</td>
<td>3</td>
</tr>
<tr>
<td>ECE 107</td>
<td>Administration Of Child Development Programs I</td>
<td>3</td>
</tr>
<tr>
<td>ECE 109</td>
<td>Family-Teacher-Child Relationships</td>
<td>3</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth and Development/ Educators</td>
<td>3</td>
</tr>
<tr>
<td>or PSY 140</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>ECE 124</td>
<td>Working With School-Age Children</td>
<td>3</td>
</tr>
<tr>
<td>ED 101</td>
<td>Introduction To Teaching And Learning In K-12 Education</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>18.00</td>
</tr>
</tbody>
</table>

Note: Forty-five half-days of student teaching in an ECE Department–approved school-age site is required. Pediatric first aid/CPR certification also required. Certificate of Achievement Requirements: Complete all department requirements for the certificate with a “C” or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

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.
EARTH AND PLANETARY SCIENCES

Program Description

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.

For more information on the department, visit http://www.sbcc.edu/earthscience/

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 who earn their Geology Associate in Arts Degree from Santa Barbara City College are thoroughly prepared to transfer to and excel in university-level geology programs throughout the state and the nation.

Career Opportunities

Many job opportunities are available to geology graduates. Most opportunities are in private industry—in engineering geology (evaluating sites for homes, commercial buildings, highways, tunnels, etc.); environmental geology (environmental impact studies, evaluation and remediation of contaminated sites); and hydrogeology (development and quality control of groundwater resources).

Geologists are also employed in the discovery and extraction of earth resources, such as energy resources, and metallic and nonmetallic elements.

Besides private industry, all levels of government—city, county, state and federal—employ geologists for planning and regulatory (inspection and monitoring) activities.

A degree in geology is excellent background for academic research and for teaching physical science at the secondary school level.

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 Mineralogy And Resources, ERTH 114 The Geology Of California, ERTH 121 Geology Seminar, and ERTH 131 Geologic Field Studies - Eastern Sierra Nevada.

Courses currently offered only during the Spring Semester are ERTH 126 Petrology And Rock-Forming Minerals, ERTH 113 Geology of National Parks, ERTH 132 Geologic Field Studies - Death Valley, and ERTH 133 Introductory Geologic Field Seminar - Colorado Plateau.

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 departmental adviser before planning an academic program for transfer.

Honors and Awards

During the latter part of each Spring Semester, an awards event is held to recognize students for their academic achievements and service to the department and college. Many awards are given.

Scholarships

Various organizations provide scholarships for students in the Earth and Planetary Sciences. These scholarships may be awarded for academic excellence and/or financial need. A partial list of these scholarships:

- Petrolog, Inc. Scholarship
- Thomas Bennett Scholarship
- Harold Alexander Scholarship
- Karen Armstrong Scholarship
- Ronald Chromy Scholarship
- Carl Sagan Scholarship
- Ventura Gem and Mineral Society Award
- William Kennett Geology Scholarship
- Jeff Marshall Mineralogy Award
- Soil Moisture Award
- Coast Geological Society Scholarship
- Phil Olsen Award
- American Petroleum Institute Scholarships
- Dr. Robert S. Gray Award, Outstanding Geological Sciences Major

Tutorial Opportunities

Each semester, qualified advanced Earth Science students are selected to tutor beginning Earth Science students. This program has direct benefits for both the beginning student and the tutor. The Earth Science tutorial program provides one-on-one instruction and is free.
Special Department Resources
The Earth and Planetary Sciences Department has one of the most completely equipped facilities of any two-year college in the state. This includes research-quality petrographic microscopes, a complete rock processing and thin section laboratory, a complete stock of mineral, rock and fossil material, geophysical instruments, a number of field vehicles, field survey instruments, GPS units, advanced astronomy telescopes and a planetarium, and other specialized earth science equipment. This equipment offers students unparalleled opportunities for "hands-on" instruction.

Advising
In addition to the college counselor for Earth and Planetary Sciences and the Career Center staff, the department faculty is available to students who are planning academic programs and career goals in the earth sciences. For further information on programs or courses of study at Santa Barbara City College, contact Jeff Meyer (EBS-110, (805) 730-4270)

Student Participation
Students have many opportunities to become involved in department-related activities through the Geology Club, which sponsors numerous field trips, outings, and social events throughout the school year. If you are interested in this club, please check with a staff member. Also, another club is the Student Chapter, AAPG.

Programs of Study
Credit Programs
- Astronomy, Associate in Science (AS) (p. 206)
- Environmental Studies, Associate in Arts (AA) (p. 226)
- Geography, Associate in Arts (AA) (p. 238)
- Geological Sciences, Associate in Science (AS) (p. 206)
- Geology, Associate in Science for Transfer (AS-T) (p. 207)

Astronomy, Associate in Science (AS)
Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CS 105</td>
<td>Theory and Practice I</td>
<td>3-4</td>
</tr>
<tr>
<td>or CS 133</td>
<td>Introduction to Programming for Engineers</td>
<td></td>
</tr>
<tr>
<td>or CS 137</td>
<td>C Programming</td>
<td></td>
</tr>
<tr>
<td>or CS 140</td>
<td>Object-Oriented Programming Using C++</td>
<td></td>
</tr>
<tr>
<td>ERTH 101</td>
<td>Introductory Astronomy</td>
<td>3-4</td>
</tr>
<tr>
<td>or ERTH 101H</td>
<td>Introductory Astronomy, Honors</td>
<td></td>
</tr>
<tr>
<td>ERTH 102</td>
<td>Observational Astronomy Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ERTH 106</td>
<td>Black Holes and the Universe</td>
<td>3-4</td>
</tr>
<tr>
<td>or ERTH 111</td>
<td>Dynamic Earth - Physical Geology</td>
<td></td>
</tr>
<tr>
<td>or ERTH 111H</td>
<td>Dynamic Earth - Physical Geology, Honors</td>
<td></td>
</tr>
<tr>
<td>or ERTH 141</td>
<td>Physical Geography</td>
<td></td>
</tr>
<tr>
<td>or GEOG 101</td>
<td>Physical Geography</td>
<td></td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 123</td>
<td>Heat, Light and Modern Physics</td>
<td>5</td>
</tr>
</tbody>
</table>

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).

Geological Sciences, Associate in Science (AS)
Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERTH 111</td>
<td>Dynamic Earth - Physical Geology</td>
<td>3-4</td>
</tr>
<tr>
<td>or ERTH 111H</td>
<td>Dynamic Earth - Physical Geology, Honors</td>
<td></td>
</tr>
<tr>
<td>ERTH 111L</td>
<td>Dynamic Earth - Physical Geology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ERTH 112</td>
<td>History Of The Earth</td>
<td>3</td>
</tr>
<tr>
<td>ERTH 112L</td>
<td>Historical Geology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ERTH 125</td>
<td>Mineralogy And Resources</td>
<td>5</td>
</tr>
<tr>
<td>ERTH 126</td>
<td>Petrology And Rock-Forming Minerals</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 156</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>Select 4 units from the following:</td>
<td>4-4.5</td>
<td></td>
</tr>
<tr>
<td>ERTH 131</td>
<td>Geologic Field Studies - Eastern Sierra Nevada</td>
<td></td>
</tr>
<tr>
<td>ERTH 132</td>
<td>Geologic Field Studies - Death Valley</td>
<td></td>
</tr>
<tr>
<td>ERTH 133</td>
<td>Introductory Geologic Field Seminar - Colorado Plateau</td>
<td></td>
</tr>
<tr>
<td>ERTH 134</td>
<td>Geologic Field Studies - Western Sierra Nevada</td>
<td></td>
</tr>
<tr>
<td>ERTH 137</td>
<td>Introductory Field Geology</td>
<td></td>
</tr>
<tr>
<td>ERTH 138</td>
<td>Geology Field Camp</td>
<td></td>
</tr>
<tr>
<td>ERTH 231A</td>
<td>Field Study - Mineralogy and Mineral Resources of the Eastern Sierra Nevada</td>
<td></td>
</tr>
<tr>
<td>ERTH 231B</td>
<td>Field Study - Energy Resources of the Eastern Sierra Nevada</td>
<td></td>
</tr>
<tr>
<td>ERTH 232A</td>
<td>Field Study - Petrology of the Death Valley Region</td>
<td></td>
</tr>
<tr>
<td>ERTH 232B</td>
<td>Field Study - Mineral Resources and Plate Tectonic History of the Death Valley Region</td>
<td></td>
</tr>
<tr>
<td>ERTH 233</td>
<td>Advanced Geologic Field Seminar - Colorado Plateau</td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
</tbody>
</table>
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Geology, Associate in Science for Transfer (AS-T)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 155 &amp; CHEM 156</td>
<td>General Chemistry I and General Chemistry II</td>
<td>10</td>
</tr>
<tr>
<td>ERTH 111</td>
<td>Dynamic Earth - Physical Geology</td>
<td>3-4</td>
</tr>
<tr>
<td>or ERTH 111H</td>
<td>Dynamic Earth - Physical Geology, Honors</td>
<td></td>
</tr>
<tr>
<td>ERTH 111L</td>
<td>Dynamic Earth - Physical Geology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ERTH 112</td>
<td>History Of The Earth</td>
<td>3</td>
</tr>
<tr>
<td>ERTH 112L</td>
<td>Historical Geology Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
</tbody>
</table>

Total Units: 28.00-29.00

1 These courses fulfill an IGETC requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC requirements.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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.

The Teaching English as a Foreign Language (TEFL) Program offers a six-unit Skills Competency Award for students interested in teaching English abroad. Former students have gone to South America, Asia and other regions to teach. In order to receive the Skills Competency Award, students must complete all six courses.

For more information on the department, visit http://www.sbcc.edu/education/

Programs of Study

Credit Program

- Introduction to Teaching English as a Foreign Language, Skills Competency Award (SCA) (p. 208)

Introduction to Teaching English as a Foreign Language, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ED 105A</td>
<td>Introduction to Teaching English as a Foreign Language (Language Acquisition)</td>
<td>1</td>
</tr>
<tr>
<td>ED 105B</td>
<td>Introduction to Teaching English as a Foreign Language (Methods and Materials)</td>
<td>1</td>
</tr>
<tr>
<td>ED 105C</td>
<td>Introduction to Teaching English as a Foreign Language (Cross-cultural Communication)</td>
<td>1</td>
</tr>
<tr>
<td>ED 105D</td>
<td>Introduction to Teaching English as a Foreign Language (English Grammar)</td>
<td>1</td>
</tr>
<tr>
<td>ED 105E</td>
<td>Introduction to Teaching English as a Foreign Language (Testing and Assessment)</td>
<td>1</td>
</tr>
<tr>
<td>ED 105F</td>
<td>Introduction to Teaching English as a Foreign Language (Educational Technology)</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Units 6.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

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.
ENGINEERING

Program Description

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 which 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.

For more information on the department, visit http://www.sbcc.edu/engineering/

Planning a Program of Study

Students should work with Santa Barbara City College’s counseling staff in planning semester-by-semester programs of study. Important conditions to be met by students majoring in the Physical Sciences include:

1. The number of units taken each semester is a matter of personal choice. Students who work full-time should take a reduced course load.
2. Many required courses are in sequences—which must be taken in the prescribed order (e.g. MATH 150 Calculus With Analytic Geometry I, MATH 160 Calculus With Analytic Geometry II, MATH 200 Multivariable Calculus/MATH 210 Linear Algebra and MATH 220 Differential Equations).
3. Some courses are prerequisites for courses in the sequences (e.g., MATH 150 Calculus with Analytic Geometry I is a prerequisite for PHYS 121 Mechanics Of Solids And Fluids). Some sequences are especially important for the sciences. The sciences do require reading, writing and mathematical skills. Science textbooks are typically at a grade 13-14 reading level. Students deficient in such skills have a unique opportunity at Santa Barbara City College to quickly and efficiently reach the levels required in the majors programs through the following sequences:

   **English Sequence**
   1. Passing score on placement exam (to) ENG 110 Composition and Reading (to) ENG 111 Critical Thinking And Composition Through Literature; or
   2. English Skills (to) ENG 098 Fundamentals Of Composition (to) ENG 110 Composition and Reading (to) ENG 111 Critical Thinking And Composition Through Literature

   **Mathematics Sequence**
   1. MATH 095 Elementary Algebra (to) MATH 111 (to) MATH 137 Precalculus I - College Algebra And Functions (to) MATH 138 Precalculus II - College Algebra And Trigonometry (to) 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

   Special Note: If you have not been tested for appropriate course placement in respect to the aforementioned sequences, contact the Counseling Center for up-to-date pre-enrollment testing schedule information. You should make sure that you have the necessary skills for each class taken—in order to succeed and/or progress in your chosen major.

Other important sequences include:

   **Chemistry Sequence**
   1. CHEM 101 Introductory Chemistry or high school chemistry (to) CHEM 155 General Chemistry I (to) CHEM 156 General Chemistry II.

   **Physics Sequence**
   1. PHYS 102 Introductory Physics For Science Majors or high school physics (to) PHYS 121 Mechanics Of Solids And Fluids (to) PHYS 122 Electricity and Magnetism or PHYS 123 Heat, Light and Modern Physics (to) PHYS 123 Heat, Light and Modern Physics or PHYS 122 Electricity and Magnetism.

   **Engineering Sequence**
   Most Engineering courses may be taken in any order. However, many Engineering courses have Physics and Mathematics prerequisites and corequisites. Students are encouraged to contact a counselor or faculty adviser for preferred sequences.

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.

Honors and Awards

The Physics and Engineering Departments select one student each year in each department as an Outstanding Student. Selections are based solely on academic excellence and no applications by students are required.

Programs of Study

Credit Programs

- Engineering, Associate in Arts (AA) (p. 209)
- Engineering, Associate in Science (AS) (p. 210)

**Engineering, Associate in Arts (AA)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>ENGR 101</td>
<td>Introduction To Engineering</td>
<td>2</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
</tbody>
</table>
Engineering, Associate in Science (AS)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus ¹</td>
<td>4</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Linear Algebra ¹</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
<td>5</td>
</tr>
</tbody>
</table>

Select one of the following: 4

- ENGR 115  Statics And Strength Of Materials
- ENGR 117 & 117L  Electronic Circuits and Electronic Circuits Laboratory

Select 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 135  Programming Fundamentals
- CS 137  C Programming
- DRFT 130  Computer-Assisted Drafting And Design I
- ENGR 105  Engineering Graphics
- ENGR 115  Statics And Strength Of Materials
- ENGR 116  Dynamics
- ENGR 117 & 117L  Electronic Circuits and Electronic Circuits Laboratory
- MATH 220  Differential Equations ²
- PHYS 123  Heat, Light and Modern Physics

Total Units 48.00-54.00

¹ MATH 250 satisfies this requirement.
² MATH 260 may also count toward the elective requirement.

Note: A course may not be used to satisfy more than one requirement (double counting not allowed).

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Engineering, Associate in Science (AS)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>ENGR 101</td>
<td>Introduction To Engineering</td>
<td>2</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus ¹</td>
<td>4</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Linear Algebra ¹</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
<td>5</td>
</tr>
</tbody>
</table>

Select one of the following: 4

- ENGR 115  Statics And Strength Of Materials
- ENGR 117 & 117L  Electronic Circuits and Electronic Circuits Laboratory

Select 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 135  Programming Fundamentals
- CS 137  C Programming
- DRFT 130  Computer-Assisted Drafting And Design I
- ENGR 105  Engineering Graphics
- ENGR 115  Statics And Strength Of Materials
- ENGR 116  Dynamics
- ENGR 117 & 117L  Electronic Circuits and Electronic Circuits Laboratory
- MATH 220  Differential Equations ²
- PHYS 123  Heat, Light and Modern Physics

Total Units 48.00-54.00

¹ MATH 250 satisfies this requirement.
² MATH 260 may also count toward the elective requirement.

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3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**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.
ENGLISH AS A SECOND LANGUAGE (ESL)

Program Description
This series of courses is designed to aid the resident and international student, for whom English is a second or foreign language, to master basic communication skills necessary to make reasonable progress in an American community college environment. Students do not need to take the TOEFL and can enroll in regular college courses after studying English. This program offers courses for beginning to advanced students.

For more information on the department, visit http://www.sbcc.edu/esl/

Program Student Learning Outcomes
1. Listen to spoken English, understand intended meaning and respond appropriately.
2. Speak in English on a diversity of topics in a way that is intelligible to the listener.
3. Read, comprehend and apply one’s own thinking to a wide range of English texts.
4. Write both narrative and expository papers which fit the intended purpose and audience.
5. Increase both receptive and productive knowledge of English vocabulary.
6. Use appropriate and generally correct grammar, spelling and punctuation when communicating in English.
7. Analyze new information and ideas and contribute original thought to discussions regarding these.
8. Use word-processing programs, language learning software, the Internet and keyboarding skills to facilitate language development.

Assessment/Advisement
All new students take an assessment test which places them in the courses appropriate to their abilities.

Proof of Completion
Students who successfully complete Level 5 Reading and Writing will be awarded a document stating that they have completed the ESL Program at SBCC. Students may also earn this proof of completion by successfully finishing at least one four-unit ESL course and passing the college’s English assessment test.

Programs of Study

Non Credit Programs
- ESL Pre GED Math/English, Certificate of Competency (p. 213)
- ESL Intermediate Grammar and Composition, Certificate of Competency (p. 212)
- ESL Advanced Grammar and Composition, Certificate of Competency (p. 212)
- ESL Pronunciation and Conversation, Certificate of Competency (p. 214)
- ESL Level 1, Certificate of Competency (p. 212)
- ESL Level 2, Certificate of Competency (p. 213)
- ESL Level 3, Certificate of Competency (p. 213)
- ESL Level 4, Certificate of Competency (p. 213)
- ESL Literacy, Certificate of Competency (p. 213)
- ESL Vocational, Child Care, Certificate of Completion (p. 214)
- ESL Vocational, Healthcare, Certificate of Completion (p. 214)
- ESL Vocational, Landscaping and Gardening, Certificate of Completion (p. 214)

ESL Advanced Grammar and Composition, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL NC010</td>
<td>ESL Advanced Grammar</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC046</td>
<td>ESL Writing for Academic Success</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes
1. Identify and correctly use grammatical elements including past perfect and future perfect tenses, and conditionals
2. Show oral proficiency in using a variety of sentence structures and tenses that include past perfect and future perfect tenses, and conditionals
3. Use the process of pre-writing, drafting and final versions

ESL Intermediate Grammar and Composition, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL NC009</td>
<td>ESL Intermediate High Grammar</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC046</td>
<td>ESL Writing for Academic Success</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes
1. Identify and correctly use grammatical elements including gerunds, infinitives, and the present perfect tense in conversation
2. Apply writing skills to convey ideas in an appropriate format
3. Use the process of pre-writing, draft version, self editing and final version of written work

ESL Level 1, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL NC01A</td>
<td>ESL 1 - A: Beginning Low</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC01B</td>
<td>ESL 1 - B: Beginning Low</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC01C</td>
<td>ESL 1 - C: Beginning Low</td>
<td>0</td>
</tr>
</tbody>
</table>
Learning Outcomes
1. Speak and write simple sentences using the present tense including the verb "to be". For example: "I am in class. I have a book."
2. Orally respond to personal information questions in present tense, (using who, what, where, when, and how)
3. Write simple sentences in proper word order including appropriate capitalization.
4. Demonstrate listening skills to follow directions related to simple workplace needs

ESL Level 2, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL NC02A</td>
<td>ESL 2 - A Beginning High</td>
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</tr>
<tr>
<td>ESL NC02B</td>
<td>ESL 2 - B Beginning High</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC02C</td>
<td>ESL 2 - C Beginning High</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes
1. Speak and write affirmative, negative, and interrogative sentences in the simple present, present continuous, future and past tenses using selected regular and irregular verbs
2. Participate in informal conversations using who, what, where, when and how
3. Demonstrate the study skill of organizing materials in chronological and alphabetical order

ESL Level 3, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL NC03A</td>
<td>ESL 3 - A Intermediate Low</td>
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</tr>
<tr>
<td>ESL NC03B</td>
<td>ESL 3 - B Intermediate Low</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC03C</td>
<td>ESL 3 - C Intermediate Low</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes
1. Speak and write affirmative, interrogative, and negative sentences in the present, present continuous, future, past, and present perfect tenses
2. Apply listening and speaking skills to make decisions while engaged in a telephone conversation
3. Write two cohesive paragraphs demonstrating control of verb tenses
4. Demonstrate the skills of prioritizing and organizing projects and tasks

ESL Level 4, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tr>
<td>ESL NC04A</td>
<td>ESL 4 – A Intermediate High</td>
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</tr>
<tr>
<td>ESL NC04B</td>
<td>ESL 4 - B Intermediate High</td>
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</tr>
<tr>
<td>ESL NC04C</td>
<td>ESL 4 - C Intermediate High</td>
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</tbody>
</table>

Learning Outcomes
1. Engage in a natural dialogue that includes five responses to a social issue
2. Give an oral presentation demonstrating public speaking skills
3. Write a well-organized essay following a rubric which includes overall fluency, spelling and punctuation mechanics, paragraph development, and sentence structure

ESL Literacy, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL NC000</td>
<td>Introduction to ESL</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC01A</td>
<td>ESL 1 - A: Beginning Low</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC01B</td>
<td>ESL 1 - B: Beginning Low</td>
<td>0</td>
</tr>
<tr>
<td>ESL NC01C</td>
<td>ESL 1 - C: Beginning Low</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes
1. Write and say the letters of the alphabet
2. Write and say the numbers one to twenty
3. Write a simple sentence. For Example "My name is..." or "My telephone number is..."
4. Respond to simple questions using what and where such as "Q. What is your name? A. My name is..." "Q. What is your telephone number? A. My number is..."

ESL Pre GED Math/English, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESL NC045</td>
<td>ESL/Pre-GED English</td>
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</tr>
<tr>
<td>ESL NC050</td>
<td>ESL/Pre-GED Mathematics</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes
1. Apply reading comprehension skills including making predictions, finding evidence in the text and drawing inferences
2. Utilize writing process to compose well-organized passages
3. Demonstrate effective note taking strategies
4. Identify personal learning styles
5. Solve multi-step word problems involving whole numbers
6. Solve multi-step word problems involving fractions, decimals, and rational numbers
7. Apply computer literacy skills to solve calculations involving fractions, decimals, and/or rational numbers

ESL Pronunciation and Conversation, Certificate of Competency

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>ESL NC006</td>
<td>Pronunciation and Conversation: Beyond ESL Basics</td>
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</tr>
<tr>
<td>ESL NC007</td>
<td>Pronunciation and Conversation: Intermediate ESL</td>
<td>0</td>
</tr>
</tbody>
</table>

Learning Outcomes

1. Demonstrate ability to understand dialogues spoken by native speakers
2. Participate in simple to more complex conversations using learned vocabulary.

ESL Vocational Child Care, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>ESLV NC30A</td>
<td>Vocational ESL Childcare: Module A</td>
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<tr>
<td>ESLV NC30B</td>
<td>Vocational ESL Childcare, Module B</td>
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</table>

ESL Vocational Healthcare, Certificate of Completion

Requirements

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESLV NC33A</td>
<td>Vocational ESL Healthcare: Module A</td>
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<tr>
<td>ESLV NC33B</td>
<td>Vocational ESL Healthcare, Module B</td>
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ESL Vocational Landscaping and Gardening, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESLV NC35A</td>
<td>Vocational ESL Landscaping and Gardening, Part I</td>
<td>0</td>
</tr>
</tbody>
</table>
ENGLISH SKILLS

Program Description
The English Skills Department guides students through a sequence of reading and writing courses that prepares them for success in subsequent college coursework, in their chosen vocation, and in daily literacy needs. The department offers three levels of reading and two levels of writing. All of our classes emphasize critical thinking and study skills that are essential to college success.

For more information on the department, visit http://www.sbcc.edu/englishskills/
ENGLISH, COMPOSITION AND LITERATURE

Program Description
In our information-based society, reading comprehension and writing skills are essential. The English Program offers a rich and varied education in these vital areas of literacy, serving the individual student, the academic community and society at large.

The pre-freshman course (ENG 098 Fundamentals Of Composition) and the freshman English courses (ENG 110 Composition and Reading and ENG 111 Critical Thinking And Composition Through Literature) provide students with a foundation in college writing and research through the study of nonfiction, fiction, drama and poetry, while emphasizing the development of critical thinking skills. In order to further develop understanding of cultural traditions and to stimulate students’ imaginations, the department offers literature courses ranging from surveys of British, American, world and sacred literature, to introductory courses in poetry, Shakespeare, contemporary fiction and drama. These sophomore literature courses provide enrichment to any student and fulfill the General Education requirements for students enrolled in degree and transfer programs.

Also available to students who have completed freshman composition are courses in creative writing, technical writing and, when possible, advanced composition, each emphasizing development of different writing skills.

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.

For more information on the department, visit http://www.sbcc.edu/english/

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 his/her counselor before planning an academic program for transfer. Information sheets for majors, outlining transfer requirements, are available in the Transfer Center.

Honors and Awards
Outstanding English Student
Each spring at the Awards Reception, one student is honored as the outstanding English major. Selection is made by faculty on the basis of academic excellence.

Emmons Poetry Prize
The Creative Writing Program also receives a generous annual donation from Robert Emmons for the Emmons Poetry Prize. First place receives $1,000; second place receives $500. Contest rules are made available at the beginning of the Spring Semester of each academic year.

William Olivarius Scholarship
In 1982, a generous endowment from the late William Olivarius enabled the English Department to offer scholarships to Santa Barbara City College English majors. Scholarships may be awarded each semester on the basis of academic excellence and a competitive essay. To qualify for an award, a student must be a declared English major, be enrolled in 12 units during the time the scholarship is applied and maintain an overall 3.0 grade point average. Eligibility to apply is limited to continuing students at Santa Barbara City College, i.e., those planning to enroll in a minimum of 12 units at SBCC for the following semester. Applications are available from English instructors and the English Center Office, Room IDC-317.

John and Mary Minassian Memorial Scholarship in Literature
Mr. Al Jarmagian has endowed a scholarship in honor of John and Mary Minassian. It will be awarded each year on the basis of merit and a competitive essay. To qualify for an award, a student must be an English major, be enrolled in 12 units and have an overall 3.0 grade point average. Applications are available from the English Center Office, Room IDC-317.

Special Programs and Courses
Placement and Testing
A placement and testing program is conducted each semester for matriculating students and all students who wish to enroll in English or English Skills classes. Since students’ success in college studies is much higher when they enroll in the courses that best suit their needs and abilities, testing is mandatory for placement in reading and composition classes.

All new students at Santa Barbara City College, except those who offer proof of completing ENG 110 Composition and Reading or its equivalent at another college, should plan to take the English placement exam as early as possible before registering. Placement tests are also available in math, and, like those in English, are required of students enrolling in math courses and recommended for all others. Testing dates are posted on campus and listed in the enrollment checklist, and are available at the Assessment Office, and online at www.sbcc.edu/assessment (http://www.sbcc.edu/assessment).

Cambridge or London Semester Abroad
The college offers a program in Cambridge or London, England, consisting of 12-15 units of transferable courses in English, art, history and political science. Students live with families or in apartments; field trips to London/Cambridge (depending upon the program), Stratford, Oxford, Bath, Stonehenge, York and Edinburgh are included. Information on the precise courses offered, dates and costs is available through the Study Abroad Office, (805) 965-0581, ext. 2494.

Guest Speakers
When local and visiting writers are available, the English Department offers opportunities for English majors, and other students interested in literature, to attend lectures/readings by these writers. These gatherings include a presentation by the guest, discussion and an opportunity for socializing with others of shared interest.

The Writing Center
The Writing Center, located in the LRC, offers workshops and tutorial assistance to students from all program disciplines.
Program Cost and Outcome

For planning purposes, the below webpages provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Creative Writing: General Emphasis

Creative Writing: Professional Emphasis

Programs of Study

Credit Programs
- English, Associate in Arts (AA) (p. 218)
- English, Associate in Arts for Transfer (AA-T) (p. 218)
- Creative Writing, Certificate of Achievement (C) (p. 217)

Creative Writing, Certificate of Achievement (C)

Requirements

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 110</td>
<td>Composition and Reading</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 110H</td>
<td>Composition And Reading, Honors</td>
<td></td>
</tr>
<tr>
<td>ENG 270</td>
<td>Introduction To Creative Writing</td>
<td>3</td>
</tr>
</tbody>
</table>

Emphasis Requirements

Plus select one of the following emphases: 12

- General Emphasis
- Professional Writing Emphasis

Total Units 18.00

---

**General Emphasis**

Select 12 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 271D</td>
<td>Creative Writing: Drama</td>
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</tr>
<tr>
<td>ENG 271F</td>
<td>Creative Writing: Fiction</td>
<td></td>
</tr>
<tr>
<td>ENG/JOUR 271NF</td>
<td>Creative Writing: Non-fiction</td>
<td></td>
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<tr>
<td>ENG 271P</td>
<td>Creative Writing: Poetry</td>
<td></td>
</tr>
</tbody>
</table>

Total Units 0.00

Note: Students may substitute two of the courses from the list of electives below for two of these four General Emphasis courses. (See approved list of electives to follow.)

**Professional Writing Emphasis**

Select 12 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG/FS 173</td>
<td>Screenwriting I</td>
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</tr>
<tr>
<td>ENG/CIS 181</td>
<td>Technical And Professional Writing</td>
<td></td>
</tr>
<tr>
<td>ENG/JOUR 271NF</td>
<td>Creative Writing: Non-fiction</td>
<td></td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Reporting/Writing I</td>
<td></td>
</tr>
</tbody>
</table>

Total Units 0.00

Note: Students may substitute two of the courses from the list of electives below for two of these four Professional Writing Emphasis courses. (See approved list of electives to follow.)

**General and Professional Writing Overall Electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 221</td>
<td>Survey Of British Literature ¹</td>
<td>3</td>
</tr>
<tr>
<td>ENG 222</td>
<td>Survey Of British Literature ¹</td>
<td>3</td>
</tr>
<tr>
<td>ENG 222H</td>
<td>Survey of British Literature, Honors ¹</td>
<td>4</td>
</tr>
<tr>
<td>ENG 225</td>
<td>American Literature ¹</td>
<td>3</td>
</tr>
<tr>
<td>ENG 226</td>
<td>American Literature ¹</td>
<td>3</td>
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<tr>
<td>or ENG 226H</td>
<td>American Literature, Honors</td>
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</tr>
<tr>
<td>ENG 231</td>
<td>World Literature ¹</td>
<td>3</td>
</tr>
<tr>
<td>ENG 232</td>
<td>World Literature ¹</td>
<td>3</td>
</tr>
<tr>
<td>ENG 236</td>
<td>Sacred Literature, Eastern Texts ¹</td>
<td>3</td>
</tr>
<tr>
<td>ENG 237</td>
<td>Sacred Literature, Western Texts ¹</td>
<td>3</td>
</tr>
<tr>
<td>ENG 240</td>
<td>Contemporary Fiction ¹, ²</td>
<td>3</td>
</tr>
<tr>
<td>ENG 241</td>
<td>Contemporary Women Writers ¹, ²</td>
<td>3</td>
</tr>
<tr>
<td>ENG 242</td>
<td>Contemporary Dramatic Literature ¹, ²</td>
<td>3</td>
</tr>
<tr>
<td>ENG 251</td>
<td>Introduction To Poetry ²</td>
<td>3</td>
</tr>
<tr>
<td>ENG 261</td>
<td>Literature And Film ²</td>
<td>3</td>
</tr>
<tr>
<td>FS 174</td>
<td>Screenwriting II</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ Recommended Electives for General Emphasis
² Recommended Electives for Professional Writing Emphasis

Students must complete all department requirements 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.
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.

English, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 110</td>
<td>Composition and Reading</td>
<td>3</td>
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<tr>
<td>or ENG 110H</td>
<td>Composition And Reading, Honors</td>
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</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
<td>3</td>
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<tr>
<td>or ENG 111H</td>
<td>Critical Thinking And Composition Through Literature, Honors</td>
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<tr>
<td>Select 9 units from the following:</td>
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<td>ENG 221</td>
<td>Survey Of British Literature</td>
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<tr>
<td>or ENG 222H</td>
<td>Survey Of British Literature, Honors</td>
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</tr>
<tr>
<td>ENG 225</td>
<td>American Literature</td>
<td>1</td>
</tr>
<tr>
<td>or ENG 226H</td>
<td>American Literature, Honors</td>
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</tr>
<tr>
<td>ENG 231</td>
<td>World Literature</td>
<td>1</td>
</tr>
<tr>
<td>ENG 232</td>
<td>World Literature</td>
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</tr>
<tr>
<td>ENG 236</td>
<td>Sacred Literature, Eastern Texts</td>
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<tr>
<td>ENG 237</td>
<td>Sacred Literature, Western Texts</td>
<td></td>
</tr>
<tr>
<td>ENG 240</td>
<td>Contemporary Fiction</td>
<td></td>
</tr>
<tr>
<td>ENG 241</td>
<td>Contemporary Women Writers</td>
<td></td>
</tr>
<tr>
<td>ENG 242</td>
<td>Contemporary Dramatic Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 251</td>
<td>Introduction To Poetry</td>
<td></td>
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<tr>
<td>ENG 261</td>
<td>Literature And Film</td>
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<tr>
<td>ENG 262</td>
<td>Shakespeare</td>
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<td>Select 8 units from the following:</td>
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<tr>
<td>ART 103</td>
<td>History Of Art, Prehistoric To Gothic</td>
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<tr>
<td>or ART 103H</td>
<td>History Of Art, Prehistoric to Gothic, Honors</td>
<td></td>
</tr>
<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
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</tr>
<tr>
<td>or ART 104H</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
<td></td>
</tr>
<tr>
<td>BLST 113</td>
<td>African-American And Afro-Caribbean Literature In The U.S.</td>
<td></td>
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<tr>
<td>CHST 115</td>
<td>Introduction To Mexican Literature</td>
<td></td>
</tr>
<tr>
<td>ENG 270</td>
<td>Introduction To Creative Writing</td>
<td></td>
</tr>
<tr>
<td>HIST 101</td>
<td>History Of The U.S. To 1877</td>
<td></td>
</tr>
<tr>
<td>HIST 102</td>
<td>History Of The U.S. Since 1865</td>
<td></td>
</tr>
<tr>
<td>or HIST 102H</td>
<td>History Of The U.S. Since 1865, Honors</td>
<td></td>
</tr>
<tr>
<td>HIST 103</td>
<td>History Of Western Civilization</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 23.00

1 Strongly recommended.

A foreign language is strongly recommended.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

English, Associate in Arts for Transfer (AA-T)

Requirements

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 degree in English for Transfer will provide the foundational knowledge in English to students who want to earn a Baccalaureate Degree in English at any of the CSU campuses.
Degree Requirements

Complete 60 CSU-transferable units including general education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (38 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major

Complete 18-22 units as outlined below with a "C" or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature 1</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 111H</td>
<td>Critical Thinking and Composition Through Literature, Honors</td>
<td></td>
</tr>
<tr>
<td>ENG 200</td>
<td>Introduction to Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

List A

Select two courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ENG 221</td>
<td>Survey Of British Literature 1</td>
<td></td>
</tr>
<tr>
<td>ENG 222</td>
<td>Survey Of British Literature 1</td>
<td></td>
</tr>
<tr>
<td>or ENG 222H</td>
<td>Survey of British Literature, Honors</td>
<td></td>
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<tr>
<td>ENG 225</td>
<td>American Literature 1</td>
<td></td>
</tr>
<tr>
<td>ENG 226</td>
<td>American Literature 1</td>
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<tr>
<td>or ENG 226H</td>
<td>American Literature, Honors</td>
<td></td>
</tr>
<tr>
<td>ENG 231</td>
<td>World Literature 1</td>
<td></td>
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<tr>
<td>ENG 232</td>
<td>World Literature 1</td>
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</table>

List B

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BLST 113</td>
<td>African-American And Afro-Caribbean Literature In The U.S. 1</td>
<td></td>
</tr>
<tr>
<td>CHST 113</td>
<td>Introduction To Chicano/Mexican-American Literature 1</td>
<td></td>
</tr>
<tr>
<td>ENG 240</td>
<td>Contemporary Fiction 1</td>
<td></td>
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<tr>
<td>ENG 242</td>
<td>Contemporary Dramatic Literature 1</td>
<td></td>
</tr>
<tr>
<td>ENG 251</td>
<td>Introduction To Poetry</td>
<td></td>
</tr>
<tr>
<td>ENG 262</td>
<td>Shakespeare</td>
<td></td>
</tr>
<tr>
<td>ENG 270</td>
<td>Introduction To Creative Writing</td>
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<tr>
<td>ENG 271D</td>
<td>Creative Writing: Drama</td>
<td></td>
</tr>
<tr>
<td>ENG 271F</td>
<td>Creative Writing: Fiction</td>
<td></td>
</tr>
<tr>
<td>ENG 271NF</td>
<td>Creative Writing: Non-fiction</td>
<td></td>
</tr>
<tr>
<td>or JOUR 271NF</td>
<td>Creative Writing: Non-fiction</td>
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</tr>
<tr>
<td>ENG 271P</td>
<td>Creative Writing: Poetry</td>
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<tr>
<td>NATA 113</td>
<td>The Indian In Literature: Fact And Fiction 1</td>
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List C

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>ASL 101</td>
<td>Beginning American Sign Language I 1</td>
<td></td>
</tr>
<tr>
<td>ASL 102</td>
<td>Beginning American Sign Language II</td>
<td></td>
</tr>
<tr>
<td>ASL 103</td>
<td>Intermediate American Sign Language I 1</td>
<td></td>
</tr>
<tr>
<td>ASL 104</td>
<td>Intermediate American Sign Language II 1</td>
<td></td>
</tr>
<tr>
<td>ANTH 104</td>
<td>Language and Culture (C-ID ANTH 130) 1</td>
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</tr>
<tr>
<td>ARBC 101</td>
<td>Beginning Modern Standard Arabic I 1</td>
<td></td>
</tr>
<tr>
<td>ARBC 102</td>
<td>Beginning Modern Standard Arabic II 1</td>
<td></td>
</tr>
<tr>
<td>CHST 114</td>
<td>Borderlands Literature: U.S.-Mexico 1</td>
<td></td>
</tr>
<tr>
<td>CHST 115</td>
<td>Introduction To Mexican Literature 1</td>
<td></td>
</tr>
<tr>
<td>CHIN 101</td>
<td>Beginning Chinese I 1</td>
<td></td>
</tr>
<tr>
<td>CHIN 102</td>
<td>Beginning Chinese II</td>
<td></td>
</tr>
<tr>
<td>CHIN 103</td>
<td>Intermediate Chinese 1</td>
<td></td>
</tr>
<tr>
<td>ENG 173</td>
<td>Screenwriting I</td>
<td></td>
</tr>
<tr>
<td>or FS 173</td>
<td>Screenwriting I</td>
<td></td>
</tr>
<tr>
<td>ENG 181</td>
<td>Technical And Professional Writing 1</td>
<td></td>
</tr>
<tr>
<td>or CIS 181</td>
<td>Technical And Professional Writing</td>
<td></td>
</tr>
<tr>
<td>ENG 236</td>
<td>Sacred Literature, Eastern Texts 1</td>
<td></td>
</tr>
<tr>
<td>ENG 237</td>
<td>Sacred Literature, Western Texts 1</td>
<td></td>
</tr>
<tr>
<td>ENG 241</td>
<td>Contemporary Women Writers 1</td>
<td></td>
</tr>
<tr>
<td>ENG 251</td>
<td>Literature And Film</td>
<td></td>
</tr>
<tr>
<td>FR 101</td>
<td>Beginning French I</td>
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</tr>
<tr>
<td>FR 102</td>
<td>Beginning French II</td>
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<tr>
<td>FR 103</td>
<td>Intermediate French I</td>
<td></td>
</tr>
<tr>
<td>FR 104</td>
<td>Intermediate French II</td>
<td></td>
</tr>
<tr>
<td>GER 101</td>
<td>Beginning German I</td>
<td></td>
</tr>
<tr>
<td>GER 102</td>
<td>Beginning German II</td>
<td></td>
</tr>
<tr>
<td>GER 103</td>
<td>Intermediate German I</td>
<td></td>
</tr>
<tr>
<td>GER 104</td>
<td>Intermediate German II</td>
<td></td>
</tr>
<tr>
<td>HEBR 101</td>
<td>Beginning Modern Hebrew I 1</td>
<td></td>
</tr>
<tr>
<td>HEBR 102</td>
<td>Beginning Modern Hebrew II</td>
<td></td>
</tr>
<tr>
<td>ITAL 101</td>
<td>Beginning Italian I</td>
<td></td>
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<tr>
<td>ITAL 102</td>
<td>Beginning Italian II</td>
<td></td>
</tr>
<tr>
<td>ITAL 103</td>
<td>Intermediate Italian I</td>
<td></td>
</tr>
<tr>
<td>ITAL 104</td>
<td>Intermediate Italian II</td>
<td></td>
</tr>
<tr>
<td>JAPN 101</td>
<td>Beginning Japanese I</td>
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<tr>
<td>JAPN 102</td>
<td>Beginning Japanese II</td>
<td></td>
</tr>
<tr>
<td>JAPN 103</td>
<td>Intermediate Japanese I</td>
<td></td>
</tr>
<tr>
<td>JAPN 104</td>
<td>Intermediate Japanese II</td>
<td></td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Reporting/Writing I</td>
<td></td>
</tr>
<tr>
<td>KOR 101</td>
<td>Beginning Korean I</td>
<td></td>
</tr>
<tr>
<td>KOR 102</td>
<td>Beginning Korean II</td>
<td></td>
</tr>
<tr>
<td>LATN 101</td>
<td>Beginning Latin I</td>
<td></td>
</tr>
<tr>
<td>LATN 102</td>
<td>Beginning Latin II</td>
<td></td>
</tr>
<tr>
<td>SPAN 101</td>
<td>Beginning Spanish I</td>
<td></td>
</tr>
<tr>
<td>SPAN 102</td>
<td>Beginning Spanish II</td>
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<tr>
<td>SPAN 103</td>
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<tr>
<td>Course Code</td>
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<tr>
<td>SPAN 104</td>
<td>Intermediate Spanish II</td>
<td>1</td>
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<tr>
<td>SPAN 146</td>
<td>Intermediate Spanish for Native Speakers I</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 147</td>
<td>Intermediate Spanish for Native Speakers II</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 132</td>
<td>Introduction to Literary Analysis</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 133</td>
<td>Survey of Spanish Literature</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 134</td>
<td>Survey of Latin American Literature</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 150</td>
<td>Advanced Spanish</td>
<td>1</td>
</tr>
<tr>
<td>SPAN 160</td>
<td>Advanced Spanish</td>
<td>1</td>
</tr>
<tr>
<td>TA 103</td>
<td>Theatre Appreciation (C-ID THTR 111)</td>
<td>1</td>
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<tr>
<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
<td>1</td>
</tr>
<tr>
<td>TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Units: 18.00-20.00

1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a completed list of IGETC and CSU GE Breadth requirements.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
ENVIRONMENTAL HORTICULTURE

Program Description

The Environmental Horticulture Program teaches the basic skills and provides state-of-the-art information required to develop a strong foundation for the ornamental horticulture and ecological restoration industries. 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 ecological restoration 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 and 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.

For more information on the department, visit http://www.sbcc.edu/environmentalhorticulture/

Planning a Program of Study

Some students work on campus. Others work in the private landscape contracting industry (under the supervision of licensed contractors), in the nursery/greenhouse industry, or in the landscape or maintenance field. Still other program participants work as free-lancers in the various environmental horticulture specialties, including habitat management.

EH 290 Work Experience In Environmental Horticulture is considered a vital aspect of the program—generating two to four units of credit each semester for enrollees. The college, the student and job supervisor work together to develop meaningful work experience situations and projects. It is the responsibility of the individual student to acquire such experience under the program.

One-year Certificate students also need to take DRFT 126 Landscape Drafting I and EH 110 Introduction To Horticulture to earn the State-issued Certificate.

Units earned under the one-year Certificate of Achievement program are applied toward the Associate Degree; many articulate toward the Horticulture degree program offered by California Polytechnic State University.

Program Cost and Outcome

For planning purposes, the webpage below provides information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

www.sbcc.edu/financialaid/gainfulemployment/Environmental%20Horticulture.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Environmental%20Horticulture.htm)

Programs of Study

Credit Programs

- Environmental Horticulture, Associate in Science (AS), Ecological Restoration and Management Emphasis (p. 221)
- Environmental Horticulture, Associate in Science (AS), Landscape Contracting C-27 License Emphasis (p. 222)
- Environmental Horticulture, Associate in Science (AS), Landscape Design Emphasis (p. 222)
- Environmental Horticulture, Associate in Science (AS), Nursery and Greenhouse Technology Emphasis (p. 223)
- Environmental Horticulture, Certificate of Achievement (C) (p. 224)
- Landscape Operations, Skills Competency Award (SCA) (p. 224)
- Sustainable Horticulture, Skills Competency Award (SCA) (p. 225)

Non Credit Program

- Green Gardener, Certificate of Completion (p. 224)

Environmental Horticulture, Associate in Science (AS), Ecological Restoration and Management Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>BIOL 120</td>
<td>Natural History</td>
<td>3-4</td>
</tr>
<tr>
<td>or BIOL 122</td>
<td>Ecology</td>
<td></td>
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<tr>
<td>BOT 122</td>
<td>Flowering Plant Identification</td>
<td>3</td>
</tr>
<tr>
<td>or BOT 123</td>
<td>Field Botany</td>
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</tr>
<tr>
<td>DRFT 126</td>
<td>Landscape Drafting I</td>
<td>3</td>
</tr>
</tbody>
</table>
Environmental Horticulture, Associate in Science (AS), Landscape Contracting C-27 License Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>EH 101</td>
<td>Plant Identification And Culture</td>
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<tr>
<td>EH 102</td>
<td>Soils And Plant Nutrients</td>
<td>3</td>
</tr>
<tr>
<td>EH 103</td>
<td>Irrigation And Garden Waterworks</td>
<td>3</td>
</tr>
<tr>
<td>EH 104</td>
<td>Landscape Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>EH 105</td>
<td>Landscape Construction</td>
<td>3</td>
</tr>
<tr>
<td>EH 106</td>
<td>Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition</td>
<td>3</td>
</tr>
<tr>
<td>EH 110</td>
<td>Introduction To Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>EH 201</td>
<td>Arboriculture</td>
<td>3</td>
</tr>
<tr>
<td>EH 290</td>
<td>Work Experience In Environmental Horticulture</td>
<td>2-4</td>
</tr>
<tr>
<td>Select 12 units from controlled electives</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Total Units</td>
<td>41.00-44.00</td>
<td></td>
</tr>
</tbody>
</table>


1 ERTH 111 Dynamic Earth - Physical Geology will satisfy area A of the SBCC GE requirements if taken with ERTH 111L Dynamic Earth - Physical Geology Laboratory. ERTH 141 Physical Geography/GEOG 101 Physical Geography will satisfy area A of the SBCC GE requirements if taken with ERTH 141L Physical Geography Laboratory /GEOG 101L Physical Geography Laboratory.

The Associate Degree will be awarded upon completion of both department and college requirements.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Environmental Horticulture, Associate in Science (AS), Landscape Design Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRFT 126</td>
<td>Landscape Drafting I</td>
<td>3</td>
</tr>
<tr>
<td>or EH 126</td>
<td>Landscape Drafting I</td>
<td>3</td>
</tr>
</tbody>
</table>
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

Plus 12 units of controlled electives from an area of emphasis are required beyond state-mandated general education requirements: ²

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
BOT 129  Survey Of Earth's Vegetation
COMP 200  Career Horticulture And Computers
DRFT 121  Architectural Drafting II
DRFT 127  Landscape Drafting II
or EH 127  Landscape Drafting II
DRFT 130  Computer-Assisted Drafting And Design I
ECON 101  Microeconomics
EH 102  Soils And Plant Nutrients
EH 201  Arboriculture
EH 207  Small Scale Food Production
EH 299  Independent Study In Environmental Horticulture
ENT 204  New Venture Management
ENVS 110  Humans And The Biological Environment ¹
ENVS 115  Environmental Geology ¹
or ERTH 115  Environmental Geology
ERTH 141  Physical Geography ¹
or GEOG 101  Physical Geography
HIST 112  American Environmental History
or ENV 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

² See an academic counselor for a list of required courses for each option.

The Associate Degree will be awarded upon completion of both department and college requirements.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Environmental Horticulture, Associate in Science (AS), Nursery and Greenhouse Technology Emphasis Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENHS 120</td>
<td>Introduction To Psychology</td>
<td>3</td>
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<tr>
<td>ENHS 125</td>
<td>American Environmental History</td>
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<tr>
<td>ENHS 130</td>
<td>Physical Geography</td>
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<tr>
<td>ENHS 135</td>
<td>Environmental Geology</td>
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<tr>
<td>ENHS 140</td>
<td>Visual Literacy</td>
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<tr>
<td>ENHS 145</td>
<td>History Of Art, Prehistoric To Gothic</td>
<td>3</td>
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<tr>
<td>ENHS 150</td>
<td>History Of Art, Renaissance To Modern</td>
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<tr>
<td>ENHS 155</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
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</tr>
<tr>
<td>ENHS 160</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
<td>3</td>
</tr>
</tbody>
</table>

¹ ERTH 141/GEOG 101 will satisfy Area A of the SBCC GE requirements if taken with ERTH 141L/GEOG 101L. ENVS 110 will satisfy Area A of the SBCC GE requirements if taken with ENVS 111. ENVS 115/ERTH 115 will satisfy Area A of the SBCC GE requirements if taken with ENVS 115/ERTH 115L.
Environmental Horticulture, Certificate of Achievement (C)

Employment Opportunities

The knowledge and skills developed in the Environmental Horticulture Certificate are excellent preparation for entry-level careers in landscaping, groundskeeping, or tree care. Students may also gain employment as gardeners, planters, or nursery workers. Graduates may find positions in plant sales and plant production facilities. Students may also be prepared for careers in design, installation, and management of horticultural projects and operations. The usual industries for Environmental Horticulture graduates are: landscape maintenance management and supervision, landscape design, turfgrass management, ornamental plant production and sales, turfgrass production and sales, tree care, weed control, lawn care, and pest control.

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.

Certificate Requirements

Upon successful completion of program requirements, as outlined above, SBCC awards the student a Certificate of Achievement in Environmental Horticulture. It is recognized by landscape industries throughout the region as verification of the graduate’s achievement in acquiring requisite horticulture skills. Students may start the program in either the Fall or Spring Semester.

Environmental Horticulture, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td>DRFT 126</td>
<td>Landscape Drafting I</td>
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<tr>
<td>or EH 126</td>
<td>Landscape Drafting I</td>
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<tr>
<td>EH 101</td>
<td>Plant Identification And Culture</td>
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<tr>
<td>EH 102</td>
<td>Soils And Plant Nutrients</td>
<td>3</td>
</tr>
<tr>
<td>EH 103</td>
<td>Irrigation And Garden Waterworks</td>
<td>3</td>
</tr>
<tr>
<td>EH 104</td>
<td>Landscape Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>EH 105</td>
<td>Landscape Construction</td>
<td>3</td>
</tr>
<tr>
<td>EH 106</td>
<td>Greenhouse/Nursery Operations And Practices</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Plant Propagation And Plant Recognition</td>
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</tr>
<tr>
<td>EH 110</td>
<td>Introduction To Horticulture</td>
<td>3</td>
</tr>
<tr>
<td>EH 290</td>
<td>Work Experience In Environmental Horticulture</td>
<td>2-4</td>
</tr>
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</table>

Total Units 28.00-32.00

Students must complete all department requirements with a cumulative GPA of 2.0 or better. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Landscape Operations, Skills Competency Award (SCA)

Requirements

<table>
<thead>
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<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH NC001</td>
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<tr>
<td>EH NC002</td>
<td>Green Gardener: Module 2</td>
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Spring:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 102</td>
<td>Soils And Plant Nutrients</td>
<td>3</td>
</tr>
<tr>
<td>EH 105</td>
<td>Landscape Construction</td>
<td>3</td>
</tr>
</tbody>
</table>
### Greenhouse/Nursery Operations And Plant Recognition (EH 106)
3 units

### Introduction To Horticulture (EH 110)
3 units

**Optional**

### Work Experience In Environmental Horticulture (EH 290)
3 units

Total Units: 12.00

Students must complete the above courses with the grade of C or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

## 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)

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
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<td><strong>Fall:</strong></td>
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<tr>
<td>EH 101</td>
<td>Plant Identification And Culture</td>
<td>3</td>
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<tr>
<td>EH 103</td>
<td>Irrigation And Garden Waterworks</td>
<td>3</td>
</tr>
<tr>
<td>EH 104</td>
<td>Landscape Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>EH 110</td>
<td>Introduction To Horticulture</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Optional</strong></td>
<td></td>
</tr>
<tr>
<td>EH 290</td>
<td>Work Experience In Environmental Horticulture</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 12.00

Students must achieve a grade of "C" or higher or credit in all courses.

## 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

Program Description
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.

AA Degree Requirements
All students majoring in Environmental Studies must complete a set of departmental requirements consisting of courses that provide a basic understanding of the physical, biological and social sciences and their application to analysis of environmental processes and issues. As a general curriculum, this option is suitable for students to maintain a broad range of choices for their degree. Additional required courses stress the need for transfer possibilities or for growth potential in the environmental professions.

Planning a Program for Transfer
Special problems confront the student planning to transfer to a four-year university. Major requirements in Environmental Studies differ from school to school and within a single institution by major emphasis. You should work closely with the Counseling Center or a faculty adviser for the Environmental Studies Program.

Programs of Study
Credit Program
- Environmental Studies, Associate in Arts (AA) (p. 226)

Environmental Studies, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tr>
<td>ENVS 110</td>
<td>Humans And The Biological Environment</td>
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<td>ENVS 111</td>
<td>Environmental Field Studies</td>
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<td>ENVS 115</td>
<td>Environmental Geology</td>
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<td>ENVS 115L</td>
<td>Environmental Geology Laboratory</td>
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<td>or ERTH 115L</td>
<td>Environmental Geology Laboratory</td>
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</table>

Select one course from the following: 4-5.5
- BIOL 100 Concepts Of Biology
- BIOL 101 Plant Biology
- BIOL 102 Animal Biology
- BIOL 103 Cell Biology

HIST 112 American Environmental History 3
or ENVS 112 American Environmental History

ENVS 200 Projects In Sustainability 2

Select one course from the following:

ENG 110 Composition and Reading 3
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

Select one course from the following:

ERTH 111 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 Introductory Physical Oceanography and Introductory Physical Oceanography Laboratory

ERTH 141 & 141L Physical Geography and Physical Geography Laboratory

GEOG 101 & 101L Physical Geography and Physical Geography Laboratory

ERTH 152 Weather and Climate
or GEOG 152 Weather and Climate

MATH 117 Elementary Statistics 4
or MATH 117H Elementary Statistics, Honors

Select one course from the following: 3-4
- PHIL 101 Introduction To Ethics
- PHIL 101H Introduction To Ethics, Honors
- PHIL 105 Business Ethics
- PHIL 205 Introduction To Logic
- POLS 132 Political Thinking

Select two courses from the following: 6-8
- ANTH 103 Introduction To Cultural Anthropology
- ANTH 109 Comparative World Cultures
- ERTH 142 Economic Geography
or 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
Select one course from Area 3A of IGETC 3-4

Total Units 53.00-60.50

Area 3A of IGETC

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<thead>
<tr>
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<td>ART 101</td>
<td>Visual Literacy</td>
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<tr>
<td>ART 102A</td>
<td>Early Twentieth Century Art, 1900-1945</td>
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<tr>
<td>ART 102B</td>
<td>Late Twentieth Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 103</td>
<td>History Of Art, Prehistoric To Gothic</td>
<td>3</td>
</tr>
<tr>
<td>ART 103H</td>
<td>History Of Art, Prehistoric to Gothic, Honors</td>
<td>3</td>
</tr>
<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
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<tr>
<td>ART 104H</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
<td>3</td>
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<tr>
<td>ART 106</td>
<td>History Of American Art</td>
<td>3</td>
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<tr>
<td>ART 108</td>
<td>History Of Asian Art</td>
<td>3</td>
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<tr>
<td>ART 110</td>
<td>History Of Women In Art</td>
<td>3</td>
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<tr>
<td>ART 111</td>
<td>Survey Of Tribal Arts</td>
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<td>ART 112</td>
<td>Survey Of Pre-Columbian Art</td>
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<tr>
<td>ART 113</td>
<td>Survey Of Architecture</td>
<td>3</td>
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<tr>
<td>ART 114</td>
<td>History Of Photography</td>
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<tr>
<td>ART 210</td>
<td>Survey Of Renaissance And Baroque Art</td>
<td>3</td>
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<td>ART 211</td>
<td>Nineteenth Century Art</td>
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<tr>
<td>ART 215</td>
<td>Survey Of Non-Western Art</td>
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<td>ART 216</td>
<td>Survey Of Islamic Art And Architecture</td>
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<td>BLST 111</td>
<td>The African-American Music Experience</td>
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<td>CHST 130</td>
<td>History Of Mexican Art</td>
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<td>CHST 131</td>
<td>History Of Chicano Art</td>
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<td>ENG 242</td>
<td>Contemporary Dramatic Literature</td>
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<td>FS 101</td>
<td>Introduction to Film Studies</td>
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<td>FS 101H</td>
<td>Introduction to Film Studies, Honors</td>
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<tr>
<td>FS 104</td>
<td>American Film to 1960's</td>
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</tr>
<tr>
<td>FS 105</td>
<td>Introduction to Television Studies</td>
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<tr>
<td>FS 107</td>
<td>Contemporary American Film</td>
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<tr>
<td>FS 112A</td>
<td>French Film</td>
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<td>FS 113</td>
<td>Experimental Film</td>
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<td>FS 115</td>
<td>The Vietnam War In Film</td>
<td>3</td>
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<tr>
<td>FS 116</td>
<td>Gender and Sexuality in Film</td>
<td>3</td>
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<tr>
<td>FS 118</td>
<td>Film Genres</td>
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<tr>
<td>FS 119</td>
<td>Introduction To Film Comedy</td>
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<tr>
<td>FS 120</td>
<td>Master Filmmakers</td>
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<td>FS 121</td>
<td>Documentary Film</td>
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<td>MUS 104A</td>
<td>Beginning Theory</td>
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<td>MUS 110</td>
<td>Music Appreciation</td>
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<td>Music Appreciation, Honors</td>
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<td>MUS 112</td>
<td>History And Appreciation Of Contemporary Jazz And 20th Century American Music</td>
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<td>MUS 114A</td>
<td>Survey Of Music History</td>
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<td>MUS 114B</td>
<td>Survey Of Music History</td>
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<td>MUS 115</td>
<td>History And Appreciation Of Rock And Popular Music</td>
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<td>MUS 118</td>
<td>World Music</td>
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<td>MUS 119</td>
<td>Middle Eastern Music, Dance and Culture</td>
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<td>NATA 112</td>
<td>Native American Visual And Musical Art</td>
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<td>PE 250</td>
<td>Survey and Appreciation of Dance History</td>
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<td>TA 103</td>
<td>Theatre Appreciation</td>
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<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
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<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
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<td>TA 108</td>
<td>Development Of Drama: Restoration To Contemporary</td>
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<td>TA 120</td>
<td>Understanding Scenography</td>
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<tr>
<td>TA 160</td>
<td>Chicano Theatre</td>
<td>3</td>
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</table>

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
Film and Media Studies

Program Description

Film and media are ever-present in our world today in various formats, whether in film theaters, on television screens, on handheld devices, or online. 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 learn about media literacy through a vast array of films and media from the early years of film history to the contemporary era, including both American and international works.

The goals of the Film and Media Studies Department are for students to articulate and demonstrate an understanding of the history of U.S. and world cinema, in relation to filmmakers, style, movements, film industries and genres, as well as an understanding of the theories and critical models of cinema, in relation to auteur studies, styles, movements, genres and social ideology, using film terminology and standard English in written and oral presentations. Students are prepared to continue their studies in upper-division coursework and pursue baccalaureate degrees in such majors as Film Studies, Cinema and Media Studies, Film and TV Production, Communication Studies and others. Film and Media Studies courses articulate to UC and CSU campuses, as well as other 4-year universities.

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 Department offers a vast survey of courses on-campus, online, and as hybrids; 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 at various film festivals.

The required courses in the Film and Media Studies 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. 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 Department at SBCC has an excellent record of course articulation and student transfer to the University of California and campuses throughout the CSU system, as well as top four-year film schools such as UCLA, USC, NYU and Chapman University.

Go to the Film and Media Studies website for more information: http://film.sbcc.edu and the SBCC Film Reviews site: http://sbccfilmreviews.org.

Like us on Facebook: www.facebook.com/SBCCFilmStudies (http://www.facebook.com/SBCCFilmStudies), and follow us on Twitter: http://twitter.com/SBCCFilmStudies.

Programs of Study

Credit Program

- Film and Media Studies, Associate in Arts (AA) (p. 228)
- Film and Media Studies, Certificate of Achievement (C) (p. 229)

Film and Media Studies, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
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<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS 101 or FS 101H</td>
<td>Introduction to Film Studies or Introduction to Film Studies, Honors</td>
<td>3-4</td>
</tr>
<tr>
<td>FS 104</td>
<td>American Film to 1960’s</td>
<td>3</td>
</tr>
<tr>
<td>FS 110</td>
<td>World Cinema to 1960’s</td>
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<tr>
<td>Total Units</td>
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<td></td>
</tr>
<tr>
<td>Spring Semester</td>
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<tr>
<td>FS 107</td>
<td>Contemporary American Film</td>
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<td>FS 111</td>
<td>Contemporary World Cinema</td>
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<td>FS 121</td>
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<tr>
<td>Second Year</td>
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<td>Fall Semester</td>
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<td>FS 116</td>
<td>Gender and Sexuality in Film</td>
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<tr>
<td>FS 118</td>
<td>Film Genres</td>
<td>3</td>
</tr>
<tr>
<td>FS 173 or ENG 173</td>
<td>Screenwriting I or Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS 120</td>
<td>Master Filmmakers</td>
<td>3</td>
</tr>
<tr>
<td>Plus select one course from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FP 185</td>
<td>Directing For The Camera</td>
<td>3</td>
</tr>
<tr>
<td>FS 105</td>
<td>Introduction to Television Studies</td>
<td></td>
</tr>
<tr>
<td>FS 108A</td>
<td>Film Festival Studies: 10 Days</td>
<td></td>
</tr>
<tr>
<td>FS 109</td>
<td>Film Studies II</td>
<td></td>
</tr>
<tr>
<td>FS 112A</td>
<td>French Film</td>
<td></td>
</tr>
<tr>
<td>FS 112B</td>
<td>Art Cinema</td>
<td></td>
</tr>
<tr>
<td>FS 113</td>
<td>Experimental Film</td>
<td></td>
</tr>
<tr>
<td>FS 114</td>
<td>History of Animation</td>
<td></td>
</tr>
<tr>
<td>FS 115</td>
<td>The Vietnam War In Film</td>
<td></td>
</tr>
<tr>
<td>FS 119</td>
<td>Introduction To Film Comedy</td>
<td></td>
</tr>
<tr>
<td>FS 174</td>
<td>Screenwriting II</td>
<td></td>
</tr>
<tr>
<td>TA 103</td>
<td>Theatre Appreciation</td>
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<tr>
<td>Total Units</td>
<td>33-34</td>
<td></td>
</tr>
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</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:
1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Film and Media Studies, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS 101</td>
<td>Introduction to Film Studies</td>
<td>3-4</td>
</tr>
<tr>
<td>or FS 101H</td>
<td>Introduction to Film Studies, Honors</td>
<td></td>
</tr>
<tr>
<td>FS 104</td>
<td>American Film to 1960's</td>
<td>3</td>
</tr>
<tr>
<td>FS 107</td>
<td>Contemporary American Film</td>
<td>3</td>
</tr>
<tr>
<td>FS 110</td>
<td>World Cinema to 1960's</td>
<td>3</td>
</tr>
<tr>
<td>FS 111</td>
<td>Contemporary World Cinema</td>
<td>3</td>
</tr>
<tr>
<td>FS 116</td>
<td>Gender and Sexuality in Film</td>
<td>3</td>
</tr>
<tr>
<td>FS 118</td>
<td>Film Genres</td>
<td>3</td>
</tr>
<tr>
<td>FS 120</td>
<td>Master Filmmakers</td>
<td>3</td>
</tr>
<tr>
<td>FS 121</td>
<td>Documentary Film</td>
<td>3</td>
</tr>
<tr>
<td>FS 173</td>
<td>Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 173</td>
<td>Screenwriting I</td>
<td></td>
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<tr>
<td>FP 185</td>
<td>Directing For The Camera</td>
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<tr>
<td>FS 105</td>
<td>Introduction to Television Studies</td>
<td></td>
</tr>
<tr>
<td>FS 108A</td>
<td>Film Festival Studies: 10 Days</td>
<td></td>
</tr>
<tr>
<td>FS 109</td>
<td>Film Studies II</td>
<td></td>
</tr>
<tr>
<td>FS 112A</td>
<td>French Film</td>
<td></td>
</tr>
<tr>
<td>FS 112B</td>
<td>Art Cinema</td>
<td></td>
</tr>
<tr>
<td>FS 113</td>
<td>Experimental Film</td>
<td></td>
</tr>
<tr>
<td>FS 114</td>
<td>History of Animation</td>
<td></td>
</tr>
<tr>
<td>FS 115</td>
<td>The Vietnam War In Film</td>
<td></td>
</tr>
<tr>
<td>FS 119</td>
<td>Introduction To Film Comedy</td>
<td></td>
</tr>
<tr>
<td>FS 174</td>
<td>Screenwriting II</td>
<td></td>
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</table>

Recommended Sequence:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS 101</td>
<td>Introduction to Film Studies</td>
<td>3-4</td>
</tr>
<tr>
<td>or FS 101H</td>
<td>Introduction to Film Studies, Honors</td>
<td></td>
</tr>
<tr>
<td>FS 104</td>
<td>American Film to 1960’s</td>
<td>3</td>
</tr>
<tr>
<td>FS 110</td>
<td>World Cinema to 1960’s</td>
<td>3</td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS 107</td>
<td>Contemporary American Film</td>
<td>3</td>
</tr>
<tr>
<td>FS 111</td>
<td>Contemporary World Cinema</td>
<td>3</td>
</tr>
<tr>
<td>FS 121</td>
<td>Documentary Film</td>
<td>3</td>
</tr>
<tr>
<td>Second Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS 116</td>
<td>Gender and Sexuality in Film</td>
<td>3</td>
</tr>
<tr>
<td>FS 118</td>
<td>Film Genres</td>
<td>3</td>
</tr>
<tr>
<td>FS 173</td>
<td>Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 173</td>
<td>Screenwriting I</td>
<td></td>
</tr>
<tr>
<td>and 3 unit elective course from list.</td>
<td>3</td>
<td></td>
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<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS 120</td>
<td>Master Filmmakers</td>
<td>3</td>
</tr>
<tr>
<td>FS 174</td>
<td>Screenwriting II</td>
<td></td>
</tr>
</tbody>
</table>

Complete all department requirements for the certificate 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.

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.
FILM AND TELEVISION PRODUCTION

Program Description

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 new and vital component of the Film and Television Department at SBCC. Students are now 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 and visual effects.

The Film and Television Production program provides students with the knowledge and skills associated with every phase of motion picture production, from screenwriting through production and directing, to editing and post-production processes. Electives provide the option to explore any phase of motion picture production in greater depth.

For more information on the department, visit http://www.sbcc.edu/filmtelevision/

Programs of Study

Credit Programs

- Film Production, Associate in Arts (AA) (p. 231)
- Digital Audio Production, Skills Competency Award (SCA) (p. 230)
- Digital Cinematography, Skills Competency Award (SCA) (p. 230)
- Digital Non-Linear Editing, Skills Competency Award (SCA) (p. 230)
- Directing for Film and Video, Skills Competency Award (SCA) (p. 230)
- Documentary Filmmaking, Skills Competency Award (SCA) (p. 231)
- Independent Film Producing, Skills Competency Award (SCA) (p. 231)
- Motion Graphics and Broadcast Design, Skills Competency Award (SCA) (p. 232)

Digital Audio Production, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP 114</td>
<td>Non-Linear Editing I</td>
<td>3</td>
</tr>
<tr>
<td>FP 175</td>
<td>Film And Video Production I</td>
<td>3</td>
</tr>
<tr>
<td>FP 181</td>
<td>Production Sound for Film and Television</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 12.00

Students must complete all courses with a grade of "C" or higher or Pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Digital Cinematography, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP 170</td>
<td>Cinematography I</td>
<td>3</td>
</tr>
<tr>
<td>FP 175</td>
<td>Film And Video Production I</td>
<td>3</td>
</tr>
<tr>
<td>FP 207</td>
<td>Color Correction for Film</td>
<td>3</td>
</tr>
<tr>
<td>FP 270</td>
<td>Cinematography II</td>
<td>3</td>
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</tbody>
</table>

Total Units 12.00

Students must complete all courses with a grade of "C" or higher or Pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Digital Non-Linear Editing, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP 114</td>
<td>Non-Linear Editing I</td>
<td>3</td>
</tr>
<tr>
<td>FP 207</td>
<td>Color Correction for Film</td>
<td>3</td>
</tr>
<tr>
<td>FP 214</td>
<td>Non-Linear Editing II</td>
<td>3</td>
</tr>
<tr>
<td>FP 279</td>
<td>Motion Graphics and Compositing</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 12.00

Students must complete all courses with a grade of "C" or higher or Pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Directing for Film and Video, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP 102</td>
<td>Writing for Television</td>
<td>3</td>
</tr>
<tr>
<td>FP 175</td>
<td>Film And Video Production I</td>
<td>3</td>
</tr>
<tr>
<td>FP 185</td>
<td>Directing For The Camera</td>
<td>3</td>
</tr>
<tr>
<td>FP 285</td>
<td>Directing For The Camera II</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 12.00

Students must complete all courses with a grade of "C" or higher or Pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.
**Documentary Filmmaking, Skills Competency Award (SCA)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP 102</td>
<td>Writing for Television</td>
<td>3</td>
</tr>
<tr>
<td>FP 114</td>
<td>Non-Linear Editing I</td>
<td>3</td>
</tr>
<tr>
<td>FP 178</td>
<td>Documentary Filmmaking</td>
<td>3</td>
</tr>
<tr>
<td>FP 181</td>
<td>Production Sound for Film and Television</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units**  
12.00

Students must complete all courses with a grade of "C" or higher or Pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

**Film Production, Associate in Arts (AA)**

**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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
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</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FS 101</td>
<td>Introduction to Film Studies or Introduction to Film Studies, Honors</td>
<td>3-4</td>
</tr>
<tr>
<td>or FS 101H</td>
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<td></td>
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<tr>
<td>Select one course from the following:</td>
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<td></td>
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<tr>
<td>FS 173</td>
<td>Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 173</td>
<td>Screenwriting I</td>
<td>3</td>
</tr>
<tr>
<td>FP 102</td>
<td>Writing for Television</td>
<td>3</td>
</tr>
<tr>
<td>FP 181</td>
<td>Production Sound for Film and Television</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>9-10</td>
</tr>
<tr>
<td>Spring Semester</td>
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<td></td>
</tr>
<tr>
<td>FP 114</td>
<td>Non-Linear Editing I</td>
<td>3</td>
</tr>
<tr>
<td>FP 170</td>
<td>Cinematography I</td>
<td>3</td>
</tr>
<tr>
<td>FP 175</td>
<td>Film And Video Production I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>9</td>
</tr>
<tr>
<td>Second Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FP 185</td>
<td>Directing For The Camera</td>
<td>3</td>
</tr>
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<tr>
<td>Elective</td>
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<td>3</td>
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<tr>
<td></td>
<td>Units</td>
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<td>Spring Semester</td>
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<tr>
<td>FP 275</td>
<td>Production II: Narrative Filmmaking</td>
<td>3</td>
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</table>

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**Independent Film Producing, Skills Competency Award (SCA)**

**Requirements**

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<th>Code</th>
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<tbody>
<tr>
<td>FP 102</td>
<td>Writing for Television</td>
<td>3</td>
</tr>
<tr>
<td>FP 111</td>
<td>Independent Producing for Motion Pictures</td>
<td>3</td>
</tr>
<tr>
<td>FP 175</td>
<td>Film And Video Production I</td>
<td>3</td>
</tr>
<tr>
<td>FP 275</td>
<td>Production II: Narrative Filmmaking</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units**  
12.00

Students must complete all courses with a grade of "C" or Pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

**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)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FP 114</td>
<td>Non-Linear Editing I</td>
<td>3</td>
</tr>
<tr>
<td>FP 207</td>
<td>Color Correction for Film</td>
<td>3</td>
</tr>
<tr>
<td>FP 279</td>
<td>Motion Graphics and Compositing</td>
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</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Units</td>
<td>12.00</td>
</tr>
</tbody>
</table>

Students must complete all courses with a grade of “C” Pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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.
FINANCE, INTERNATIONAL BUSINESS AND MARKETING

Program Description
This department offers personal and professional, transferable and degree programs in finance. Students interested in the financial services industry should consider the course of study described for the Finance Certificate. Additional courses in personal money management and real estate investment offer opportunities for personal development. These programs have been designed in consultation with leading local professionals. Commercial and investment banks, savings and loans, credit unions, thrifts and finance companies are looking for candidates with these skills.

The International Business Program provides an introduction to the central aspects of international business. Topics include the economic, political and social environments in which we operate; how international activities alter the strategies for success in management tasks of planning, marketing, finance, law and personnel; and the principles associated with the international exchange of goods, services and investments. Unique applied short courses are offered in the spring in international business law and basics of importing and exporting.

Marketing courses are designed to lead people to job opportunities in the fields of advertising, marketing, retail sales, wholesaling and international marketing. Concepts of planning and developing products and services are emphasized, along with studies of packaging, distribution and government regulations.

For more information on the department, visit http://www.sbcc.edu/finance/

Program Cost and Outcome
For planning purposes, the webpages to follow provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Finance Courses
www.sbcc.edu/financialaid/gainfulemployment/Finance.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Finance.htm)

International Business Courses

Marketing Courses
www.sbcc.edu/financialaid/gainfulemployment/MARKETING.htm (http://www.sbcc.edu/financialaid/gainfulemployment/MARKETING.htm)

Programs of Study
Credit Programs
- Finance, Associate in Arts (AA) (p. 233)
- International Business, Associate in Arts (AA) (p. 234)
- Marketing, Associate in Arts (AA) (p. 236)
- Finance, Certificate of Achievement (C) (p. 234)
- International Business, Certificate of Achievement (C) (p. 235)
- Marketing, Certificate of Achievement (C) (p. 236)
- International Marketing Communication, Skills Competency Award (SCA) (p. 235)
- International Marketing: Fashion and Beauty, Skills Competency Award (SCA) (p. 235)
- Public Relations, Skills Competency Award (SCA) (p. 267)
- Sales and Marketing, Skills Competency Award (SCA) (p. 237)
- Web Marketing and Media Design, Skills Competency Award (SCA) (p. 237)

Noncredit Programs
- Effective Marketing Communication Management, Certificate of Completion
- Strategic Marketing, Certificate of Completion

Effective Marketing Communication Management, Certificate of Completion
Requirements

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.

Finance, Associate in Arts (AA)
Requirements
The Associate Degree will be awarded upon completion of department and college requirements.

For success in business, a liberal education is invaluable. Particularly important are communication (written, oral and behavioral), quantitative (mathematics and statistics), and computer skills (word processing, spreadsheets, presentations and database management).

This program has been designed to equip the student with the specific techniques of business financial management—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.

Finance Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>5</td>
</tr>
</tbody>
</table>
Finance, Certificate of Achievement (C)

Requirements

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>BLAW 101</td>
<td>Business Law</td>
<td>4</td>
</tr>
<tr>
<td>or BLAW 110</td>
<td>Legal Environment Of Business</td>
<td></td>
</tr>
<tr>
<td>ECON 101</td>
<td>Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>FIN 101</td>
<td>Introduction To Finance And Banking</td>
<td>3</td>
</tr>
<tr>
<td>FIN 201</td>
<td>Investing: Securities Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FIN 202</td>
<td>Managerial Finance</td>
<td>3</td>
</tr>
</tbody>
</table>

Support Courses

Select 16-21 units from the following (may be double-counted in applicable general education areas):

- ANTH 103  Introduction To Cultural Anthropology
- or GEOG 102  Human Geography
- or PHIL 102  Comparative World Religions
- or PHIL 102H  Comparative World Religions, Honors
- COMM 161  Communication in Organizations
- or COMM 162  Mediated Communication in Organizations
- ERTH 141/141L  Physical Geography
- or GEOG 101/101L  Physical Geography
- MATH 107  Intermediate Algebra ²
- PHIL 101  Introduction To Ethics
- or PHIL 101H  Introduction To Ethics, Honors
- POLS 104  American Government: Policy Issues/Process

Optional:

- BUS 290  Work Experience In Business Administration

Total Units 21.00

¹ ACCT 210 will also satisfy this requirement.
² An assessment score higher than MATH 107 Intermediate Algebra will also satisfy this requirement.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Finance, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting ¹</td>
<td>5</td>
</tr>
</tbody>
</table>

International Business, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBUS 102</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 109</td>
<td>Basics of Importing and Exporting</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 201</td>
<td>International Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 211</td>
<td>Legal Environment of International Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following:

- MKT 164  Online and Mobile Marketing
- MAT 164  Online and Mobile Marketing
- MKT 212  Supply Chain Logistics
- FIN 211  Skills in Trade Finance
- COMM 151  Intercultural Communication
- ECON 106  International Economics
- MKT 209  International Marketing
- MKT 220  Introduction To Electronic Commerce
- or CIS 220  Introduction To Electronic Commerce

Total Units 21.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Learning Outcomes
1. Explain general management functions, roles and responsibilities required to effectively manage today’s contemporary organizations.
2. Recognize the ethical issues facing managers and apply decision-making techniques and ethical reasoning to resolve 21st century ethical dilemmas.
3. Work effectively in teams and appreciate the meaning of mutual responsibility.
4. Access and interpret information, respond and adapt to a dynamic business environment, make complex decisions, solve problems, and evaluate outcomes.

International Business, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBUS 102</td>
<td>Introduction to International Business</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 109</td>
<td>Basics of Importing and Exporting</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 201</td>
<td>International Human Resource Management</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 211</td>
<td>Legal Environment of International Business</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following: 3
- MKT 164 Online and Mobile Marketing
- MAT 164 Online and Mobile Marketing
- MKT 212 Supply Chain Logistics
- FIN 211 Skills in Trade Finance
- COMM 151 Intercultural Communication
- ECON 106 International Economics
- MKT 209 International Marketing
- MKT 220 Introduction To Electronic Commerce
- or CIS 220 Introduction To Electronic Commerce

Total Units 21.00

Students must complete all department requirements with a cumulative GPA of 2.0 or better.

Learning Outcomes
1. Demonstrate the four (4) P’s to strategically assess a business or products marketing mix.
2. Demonstrate knowledge of international marketing strategies.
3. List and explain the value-chain processes within international business as a means of achieving superior quality, efficiency, and responsiveness to the customer.

International Marketing: Fashion and Beauty, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBUS 271</td>
<td>International Fashion and Beauty Product Development</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 273</td>
<td>Global Fashion and Beauty Industry Marketing</td>
<td>3</td>
</tr>
<tr>
<td>IBUS 275</td>
<td>Global Fashion Trends in Retail and E-tail</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 9.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

Learning Outcomes
1. Explain how the global fashion and merchandising industries operate.
2. Explain how the marketing mix, promotional mix, and segmentation relate to retailing and etailing in the global fashion and beauty industries.
3. Explain how general business operations and principles apply to the global economy in the fashion and beauty industries.
4. Explain how E marketing and sales, planning and buying, management and supervision, business law and professional communications relate to branding and channel distribution.
Marketing, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 101</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 164</td>
<td>Online and Mobile Marketing</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 164 Online and Mobile Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 203</td>
<td>Marketing Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 205</td>
<td>Consumer Selling Strategies</td>
<td>3</td>
</tr>
<tr>
<td>MKT 215</td>
<td>Segmentation and Target Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT/CIS 220 Introduction To Electronic Commerce</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select 6 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td></td>
</tr>
<tr>
<td>COMP 111</td>
<td>Microsoft Access</td>
<td></td>
</tr>
<tr>
<td>FP 276</td>
<td>Production II: Commercial Applications</td>
<td></td>
</tr>
<tr>
<td>GDP 114</td>
<td>Graphic Design I</td>
<td></td>
</tr>
<tr>
<td>IBUS 102</td>
<td>Introduction to International Business</td>
<td></td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td></td>
</tr>
<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td></td>
</tr>
<tr>
<td>MKT 120</td>
<td>Relationship Selling</td>
<td></td>
</tr>
<tr>
<td>MKT 125</td>
<td>Principles Of Customer Service</td>
<td></td>
</tr>
<tr>
<td>MKT 135</td>
<td>Public Relations</td>
<td></td>
</tr>
<tr>
<td>or JOUR 135 Public Relations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MKT 209</td>
<td>International Marketing</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 24.00

*Note: Each required course must be completed with a minimum grade of "C".

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Learning Outcomes

1. Recognition and appreciation of diversity which exists in the discipline of Marketing.
2. Understanding that market segmentation is present in local, regional, national, and global customer market recognition.
3. Identifying that the fundamental basis of marketing is to create and implementation form, time, place, and ownership utility.
4. Demonstration that risk and reward are present in all marketing product, price, distribution and promotion activities.
5. Identifying that the marketing concept is present in all successful non-profit and profit making marketing activities in organizations.

Marketing, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT 101</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 164</td>
<td>Online and Mobile Marketing</td>
<td>3</td>
</tr>
<tr>
<td>or MAT 164 Online and Mobile Marketing</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MKT 203</td>
<td>Marketing Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 205</td>
<td>Consumer Selling Strategies</td>
<td>3</td>
</tr>
<tr>
<td>MKT 215</td>
<td>Segmentation and Target Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT/CIS 220 Introduction To Electronic Commerce</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

Select 6 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td></td>
</tr>
<tr>
<td>COMP 111</td>
<td>Microsoft Access</td>
<td></td>
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<tr>
<td>FP 276</td>
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<tr>
<td>GDP 114</td>
<td>Graphic Design I</td>
<td></td>
</tr>
<tr>
<td>IBUS 102</td>
<td>Introduction to International Business</td>
<td></td>
</tr>
<tr>
<td>JOUR 135</td>
<td>Public Relations</td>
<td></td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td></td>
</tr>
<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td></td>
</tr>
<tr>
<td>MKT 120</td>
<td>Relationship Selling</td>
<td></td>
</tr>
<tr>
<td>MKT 125</td>
<td>Principles Of Customer Service</td>
<td></td>
</tr>
<tr>
<td>MKT 209</td>
<td>International Marketing</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 24.00-26.00

*Note: Complete all department requirements 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.

Learning Outcomes

1. Recognition and appreciation of diversity which exists in the discipline of Marketing.
2. Understanding that market segmentation is present in local, regional, national, and global customer market recognition.
3. Identifying that the fundamental basis of marketing is to create and implementation form, time, place, and ownership utility.
4. Demonstration that risk and reward are present in all marketing product, price, distribution and promotion activities.
5. Identifying that the marketing concept is present in all successful non-profit and profit making marketing activities in organizations.
6. Identifying that the marketing concept is present in all successful non-profit and profit making marketing activities in organizations.
Sales and Marketing, Skills Competency Award (SCA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 101</td>
<td>Introduction To Business</td>
<td>3</td>
</tr>
<tr>
<td>COMP 103</td>
<td>Internet Communications</td>
<td>1</td>
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<tr>
<td>COMP 171</td>
<td>Business English</td>
<td>3</td>
</tr>
<tr>
<td>MKT 101</td>
<td>Introduction to Marketing</td>
<td>3</td>
</tr>
<tr>
<td>MKT 203</td>
<td>Marketing Communications</td>
<td>3</td>
</tr>
<tr>
<td>MKT 205</td>
<td>Consumer Selling Strategies</td>
<td>3</td>
</tr>
<tr>
<td>Optional:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 290</td>
<td>Work Experience In Business Administration</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 16.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

Learning Outcomes
1. Demonstrate the ability to sell products.
2. Demonstrate appropriate customer service techniques.
3. Develop an advertising plan for a product.
4. Calculate the break-even point of a product, given fixed costs, variable costs and a selling price.
5. Analyze a variety of advertising media and identify the appropriate media selection based upon cost per thousand.
6. Write an effective advertisement using AIDA.
7. Communicate clearly and effectively using the telephone.

Web Marketing and Media Design, Skills Competency Award (MKT)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP 110</td>
<td>Media Design</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>MKT/CIS 220</td>
<td>Introduction To Electronic Commerce</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 12.00

Students must complete the above courses with a grade of “C” or higher or credit in all courses.

Learning Outcomes
1. Demonstrate the ability to investigate, evaluate, and create new internet marketing media opportunities at both a local and global level.
2. Demonstrate the effective use of the basic steps in the strategic planning process necessary for the development of marketing media based venture.
3. Identify the four (4) P’s to strategically assess a business or products marketing mix in the sphere of internet marketing.
4. Demonstrate knowledge implemented within the internet and media marketing professions.
5. List and explain the value-chain processes in global internet business as a means of achieving superior quality, efficiency, and responsiveness to the customer.

Strategic Marketing, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MKT NC001</td>
<td>Promotional Marketing Tools</td>
<td>0</td>
</tr>
<tr>
<td>MKT NC002</td>
<td>Business Branding</td>
<td>0</td>
</tr>
<tr>
<td>MKT NC003</td>
<td>Marketing Maps</td>
<td>0</td>
</tr>
<tr>
<td>MKT NC004</td>
<td>Mobile Marketing</td>
<td>0</td>
</tr>
</tbody>
</table>

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.
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).

For more information on the department, visit http://www.sbcc.edu/geography/

The Geography Major
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, and service in foreign areas.

Many geography courses satisfy GE requirements and appeal to the major and non-major alike. Coursework in geography, which includes Geographic Information Systems (GIS), prepares students for a wide range of jobs that employ computers to gather, manipulate, analyze and report spatial data. There is rapid growth in the use of GIS in natural resource management, urban planning, marketing, real estate, criminology, emergency services, public health, scientific research and many other areas. GIS courses are also useful for transfer students in geography and other environmental and natural science-oriented disciplines. GIS is an important tool for many other disciplines which use maps and spatially referenced data.

Career Opportunities
Geographers are trained for a wide variety of exciting careers, including cartography, climatology, demography, ecology, education earth and environmental science, land use planning, meteorology, realty, and regional and urban planning. Jobs include positions as field analysts, foreign area and intelligence analysts, Geographic Information System analysts, map librarians, marketing analysts, park rangers, research analysts, resource economists, surveyors, teachers, transportation analysts, and travel agents.

Trained geographers are involved in a diverse set of research areas including agriculture, atmospheric and oceanic studies, landforms and soils, vegetation, water resources, marketing, political and economic structures, and transportation and urban systems.

Planning a Program of Study
In order to plan the best possible program of study to meet individual needs, students are encouraged to contact the Geography Department chairperson, faculty adviser, or counselor assigned to the Sciences Division. These persons are eager to assist students—and they welcome the opportunity to be helpful.

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/Transfer Centers.

Honors and Awards
The Geography faculty selects one student each year to be honored as "Outstanding Geography Student." Students are nominated by members of the faculty and selections are made on the basis of academic scholarship and a student’s contribution to our community's understanding of geographic events.

Special Programs and Courses

Geography Club
Students who are interested in exploring geography with their peers are invited to join the Geography Club. See Dr. Robinson or Ms. Armstrong for further information.

Advising
Our faculty is eager to provide counseling to students seeking to explore career opportunities which relate to Geography as a major or who simply need further information about any of our course offerings.

Student Participation
We invite student input at any time about needed changes in curriculum or additions to our program. Our course offerings are constantly under review and we welcome student perspective.

Programs of Study

Credit Programs
• Geography, Associate in Arts (AA) (p. 238)
• Geography, Associate in Arts for Transfer (AA-T) (p. 239)

Geography, Associate in Arts (AA) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEOG 101/</td>
<td>Physical Geography 1</td>
<td>3</td>
</tr>
<tr>
<td>ERTH 141</td>
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<tr>
<td>GEOG 101L/</td>
<td>Physical Geography Laboratory 1</td>
<td>1</td>
</tr>
<tr>
<td>ERTH 141L</td>
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<tr>
<td>GEOG 102</td>
<td>Human Geography</td>
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</tr>
<tr>
<td>GEOG 104</td>
<td>World Regional Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/ERTH 152</td>
<td>Weather and Climate</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/ERTH 171</td>
<td>Introduction To Geographic Information Systems And Maps</td>
<td>2</td>
</tr>
<tr>
<td>GEOG/ERTH 172</td>
<td>Geographic Information Systems: Software Applications</td>
<td>2</td>
</tr>
</tbody>
</table>

Controlled Electives
Select 9 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
</tr>
<tr>
<td>ANTH 121</td>
<td>Cultures Around The World: Asia and the Pacific</td>
</tr>
</tbody>
</table>
ANTH 122  Cultures Around The World: The Americas
ANTH 123  Cultures Around The World: Africa and the Middle East
BIOL 122  Ecology
or BIOL 144  Biogeography
or BOT 121  Plant Diversity
BIOL 124  Biological Oceanography
ERTH 111  Dynamic Earth - Physical Geology
or ERTH 111H Dynamic Earth - Physical Geology, Honors
ERTH 112  History Of The Earth
or ERTH 115  Environmental Geology
or ENVS 115  Environmental Geology
ERTH 113  Geology of National Parks
or ERTH 114  The Geography Of California
ERTH 116  Energy And Natural Resources
or ENVS 116  Energy And Natural Resources
ERTH 131  Geologic Field Studies - Eastern Sierra Nevada
or ERTH 132  Geologic Field Studies - Death Valley
or ERTH 133  Introductory Geologic Field Seminar - Colorado Plateau
ERTH 151  Introductory Physical Oceanography
GEOG 105  Economic Geography
or ERTH 142  Economic Geography
GEOG 106  Geography Of California
GEOG 175  Raster GIS Applications
or ERTH 175  Raster GIS Applications
ENVS 110  Humans And The Biological Environment
GLST 101  Introduction to Global Studies
GLST 102  Global Problems
MATH 117  Elementary Statistics
or MATH 117H Elementary Statistics, Honors

Total Units 26.00

1  Satisfies Area A of the SBCC General Education Requirements if both lecture and lab are completed.

Note: A course may not be used to satisfy more than one requirement (double-counting is not allowed).

Recommendation: Associate Degree students should take a broad background of electives in both the Earth Sciences and Social Sciences.

Learning Outcomes
1. Describe and assess Earth’s physical processes and their impacts on human culture and activities.
2. Describe and assess human cultural and economic activities and their impacts on Earth’s physical environment.
3. Identify and implement the methods and technologies used in geographic spatial analysis (ex. GIS, remote sensing, spatial statistics, cartography and map analysis).

Geography, Associate in Arts for Transfer (AA-T) Requirements
The Geography Program at Santa Barbara City College provides a liberal education and prepares one for positions in business, government, environmental consulting, resource management, service in foreign areas and teaching. Many geography courses satisfy General Education requirements and appeal to the major and non-major alike. Coursework in geography, which includes Geographic Information Systems (GIS), prepares students for a wide range of jobs that employ computers to gather, manipulate, analyze and report spatial data. There is rapid growth in the use of GIS in natural resource management, urban planning, marketing, real estate, criminology, emergency services, public health, scientific research and many other areas.

The Associate in Arts degree in Geography for Transfer will provide the foundational knowledge in Geography to students who want to earn a Baccalaureate Degree in Geography at any of the CSU campuses.

Department Requirements
Complete 60 CSU-transferable units including general education, major requirements and CSU-transferable electives as follows:

General Education
Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major
Complete 19-24.5 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ERTH 141</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>or GEOG 101</td>
<td>Physical Geography</td>
<td></td>
</tr>
<tr>
<td>ERTH 141L</td>
<td>Physical Geography Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>or GEOG 101L</td>
<td>Physical Geography Laboratory</td>
<td></td>
</tr>
</tbody>
</table>
GEOG 102  Human Geography  1  3

**List A**
Select two to three courses from the following:  6-7

- GEOG 104  World Regional Geography  1
- ERTH 171 & ERTH 172  Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications
- GEOG 171 & GEOG 172  Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications
- ERTH 152  Weather and Climate  1
  or GEOG 152  Weather and Climate

**List B**
Select two courses from the following:  6-10.5
Any List A course not selected above and/or

- ANTH 101  Physical Anthropology  1
  or ANTH 101H  Physical Anthropology, Honors
- ANTH 102  Introduction To Archaeology  1
  or ANTH 102H  Introduction to Archaeology, Honors
- ANTH 103  Introduction To Cultural Anthropology  1
- BIOL 140 & BIOL 141  Principles Of Biology and Biology Laboratory  1
  or BIOL 100  Concepts Of Biology
- BIOL 101  Plant Biology  1
- BIOL 102  Animal Biology  1
- BIOL 103  Cell Biology  1
- BOT 121  Plant Diversity  1
- CHEM 101  Introductory Chemistry  1
- CHEM 155  General Chemistry I  1
- CHEM 156  General Chemistry II  1
- COMM 235  Argumentation And Debate  1
- CS 105  Theory and Practice I
- CS 106  Theory and Practice II
- CS 140  Object-Oriented Programming Using C++
- ECON 101  Microeconomics  1
- ECON 102  Macroeconomics  1
- EH 102  Soils And Plant Nutrients
- ENG 111 or ENG 111H  Critical Thinking And Composition Through Literature  1
- ENVS 110  Humans And The Biological Environment  1
- ENVS 115 or ERTH 115  Environmental Geology  1
- ERTH 111 or ERTH 111H  Dynamic Earth - Physical Geology  1
  or ERTH 111H  Dynamic Earth - Physical Geology, Honors
- ERTH 114  The Geology Of California  1
- ERTH 126  Petrology And Rock-Forming Minerals  1
- ERTH 142 or GEOG 105  Economic Geography  1
- ERTH 151  Introductory Physical Oceanography  1
- ERTH 175 or GEOG 175  Raster GiS Applications
- MATH 130  Calculus for Biological Sciences, Social Sciences and Business  1
- MATH 131  Calculus For Biological Sciences, Social Sciences And Business  1
- MATH 137  Precalculus I - College Algebra And Functions  1
- MATH 138  Precalculus II - College Algebra And Trigonometry  1
- MATH 150  Calculus with Analytic Geometry  1
- PHIL 111  Critical Thinking And Writing In Philosophy  1
- PHYS 102  Introductory Physics For Science Majors  1
- PHYS 105 or PHYS 110  General Physics  1
- PHYS 106  General Physics  1
- POLS 101  American Government And Politics  1
- POLS 121  International Politics  1
  or POLS 121H  International Politics, Honors
- PSY 150 or MATH 117 or MATH 117H  Statistics for the Behavioral Sciences  1
  or MATH 117H  Elementary Statistics, Honors
- ZOOL 122  Animal Diversity  1

Total Units  19.00-24.50

1  These courses fulfill an IGETC and/or CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU Breadth requirements.

**Graduation Requirements**
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**Learning Outcomes**
1. Describe and assess Earth’s physical processes and their impacts on human culture and activities.
2. Describe and assess human cultural and economic activities and their impacts on Earth’s physical environment.

3. Identify and implement the methods and technologies used in geographic spatial analysis (ex. GIS, remote sensing, spatial statistics, cartography and map analysis).
GRAPHIC DESIGN AND PHOTOGRAPHY

Program Description
The focus of the Graphic Design and Photography curriculum is to create a balance between design and technology. The program begins with a foundation in design, drawing and art appreciation and starts to integrate technology during the first semester. Design principles, creative thinking and problem-solving techniques, as they apply to the media arts, give the student a strong foundation for entry into the work force, and for advanced study at other colleges and universities. Students work in a state-of-the-art digital arts center for hands-on computer training.

Both graphic design and photography students create projects, using electronic media, typographic design, publication design, photojournalism, advertising illustration photography and color management.

For more information on the department, visit http://www.sbcc.edu/graphicdesign/

Graphic Design Concentration
With strong foundation courses in design, typography and creative problem-solving, students create designs, from concept to printed piece. The understanding of production and pre-press processes are an integral part of the concentration, along with the introduction of web design and interactivity. 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. Students execute their work in a state-of-the-art Digital Arts Center.

Graphic Design Certificate
The Graphic Design Certificate provides the student with a thorough understanding of the design process, from concept to printed piece. Concept development, creativity, interactivity and pre-press processes are introduced and become an integral part of the Certificate. Students execute their work in a state-of-the-art Digital Arts Center.

Career Opportunities
- Assistant Graphic Designer
- Freelance Graphic Designer
- Information and Visualization Designer
- Production Coordinator
- Publications Designer

Advising
In addition to the college counselor at the Career Center, the Graphic Design program chairperson advises students who are planning a career in Graphic Design.

Graduation Requirements
1. Complete all department requirements with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC)
2. Complete one of the following three General Education options:
   a. OPTION 1: SBCC General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
   b. OPTION 2: IGETC Pattern
   c. OPTION 3: CSU GE Breadth Pattern
3. Complete 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. Complete 15 units through SBCC

Planning a Program of Study
Those interested in the Graphic Design and Photography Program must be admitted to Santa Barbara City College. An application and one copy each of high school and any other college transcripts must be submitted to the Admissions Office.

All Graphic Design and Photography majors should make appointments with the counselor for Graphic Design and Photography. Contact the Counseling Center at (805) 965-0581, ext. 2285. Initial program development will take place during the counseling session.

The Career Center is utilized by the Graphic Design and Photography Department to provide extensive individual help for students needing to find part-time jobs and internships related to their learning discipline.

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.

Program Cost and Outcome
For planning purposes, the webpages below provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Graphic Design and Photography: Graphic Design Concentration
http://www.sbcc.edu/financialaid/gainfulemployment/Graphic%20Design%20and%20Photography%20Graphic%20Design%20Concentration.htm

Graphic Design
http://www.sbcc.edu/financialaid/gainfulemployment/Graphic%20Design.htm

Programs of Study
Credit Programs
- Graphic Design and Photography, Associate in Arts (AA): Graphic Design Concentration (p. 243)
• Graphic Design and Photography, Certificate of Achievement (C): Graphic Design Concentration (p. 244)
• Introduction to Graphic Design, Certificate of Achievement (C) (p. 245)
• Digital Visual Foundation, Skills Competency Award (SCA) (p. 243)
• Graphic Design, Skills Competency Award (SCA): Entrepreneur I (p. 245)
• Graphic Design, Skills Competency Award (SCA): Entrepreneur II (p. 245)
• Information Design, Skills Competency Award (SCA) (p. 245)

Digital Visual Foundation, Skills Competency Award (SCA)

Requirements

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<tr>
<td>GDP 110</td>
<td>Media Design</td>
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<tr>
<td>GDP 111</td>
<td>Graphic Design Basics</td>
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<td>Digital Literacy for Media Artists and Designers</td>
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<tr>
<td>MAT 112</td>
<td>Digital Drawing</td>
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</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
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</tbody>
</table>

Total Units 15.00

Students must complete the above courses with the grade of "C" or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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 in Arts (AA): Graphic Design Concentration

Requirements

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<th>Units</th>
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<td>GDP 111</td>
<td>Graphic Design Basics</td>
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</tr>
<tr>
<td>GDP 112</td>
<td>Digital Literacy for Media Artists and Designers</td>
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</tr>
<tr>
<td>GDP 113</td>
<td>Typography</td>
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<td>GDP 114</td>
<td>Graphic Design I</td>
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<td>GDP 118</td>
<td>Creative Thinking</td>
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<td>GDP 212</td>
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<td>GDP 215</td>
<td>Publication Design</td>
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<tr>
<td>GDP 230</td>
<td>Portfolio</td>
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<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
<td>3</td>
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<td>MAT 131</td>
<td>Digital Imaging I</td>
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<td>MAT 153</td>
<td>Web Design I</td>
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<tr>
<td>PHOT 180</td>
<td>Digital Darkroom</td>
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Total Units 33.00

Strongly Recommended

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<tr>
<td>ART 102A</td>
<td>Early Twentieth Century Art, 1900-1945</td>
<td>3</td>
</tr>
<tr>
<td>or ART 102B</td>
<td>Late Twentieth Century Art</td>
<td>3</td>
</tr>
<tr>
<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
<td>3</td>
</tr>
<tr>
<td>GDP 290</td>
<td>Work Experience In Graphic Design</td>
<td>3</td>
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Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.
### Graphic Design and Photography, Certificate of Achievement (C): Graphic Design Concentration

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>GDP 110</td>
<td>Media Design</td>
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<td>Digital Literacy for Media Artists and Designers</td>
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<tr>
<td>GDP 118</td>
<td>Creative Thinking</td>
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<td>GDP 215</td>
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<td>3</td>
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<td>MAT 132</td>
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<td>MAT 135</td>
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<td>PHOT 109</td>
<td>Introduction to Photography</td>
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<td>PHOT 180</td>
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<tr>
<td>PHOT 285</td>
<td>Color Management</td>
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**Total Units:** 33

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#### First Year

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<thead>
<tr>
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<th>Title</th>
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<tr>
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<tr>
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<tr>
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**Units:** 9

**Second Year

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<td>PHOT 109</td>
<td>Introduction to Photography</td>
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<tr>
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<td>Web Design I</td>
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<tr>
<td>PHOT 180</td>
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<td>PHOT 285</td>
<td>Color Management</td>
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**Units:** 9

**Total Units:** 33

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#### Strongly Recommended

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<td>ART 102A</td>
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<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
<td>3</td>
</tr>
<tr>
<td>GDP 290</td>
<td>Work Experience In Graphic Design and Photography</td>
<td>3</td>
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</tbody>
</table>

**Students must complete all department requirements for the certificate with a cumulative 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.

---

#### 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

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

To be successful, it is important to take courses in the correct sequence.
Spring Semester

GDP 212 or GDP 215

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<tr>
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<td>GDP 215</td>
<td>or Publication Design</td>
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<td>GDP 230</td>
<td>Portfolio</td>
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Select one course from the following:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
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<tr>
<td>MAT 153</td>
<td>Web Design I</td>
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<tr>
<td>MAT 132</td>
<td>Digital Imaging II</td>
<td></td>
</tr>
<tr>
<td>PHOT 180</td>
<td>Digital Darkroom</td>
<td></td>
</tr>
</tbody>
</table>

Total Units 9

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. Identify and apply their creative abilities to communicate ideas with confidence.
5. Apply entrepreneurial skills to improve their freelance business.

Information Design, Skills Competency Award (SCA)

Requirements

<table>
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<tr>
<th>Code</th>
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<th>Units</th>
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<tbody>
<tr>
<td>GDP 212</td>
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<tr>
<td>GDP 215</td>
<td>or Publication Design</td>
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<tr>
<td>GDP 230</td>
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Select one course from the following:

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<td>MAT 164</td>
<td>Online and Mobile Marketing</td>
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<tr>
<td>MKT 203</td>
<td>Marketing Communications</td>
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<tr>
<td>ENT 205</td>
<td>Financial Management for Startups</td>
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</table>

Total Units 18.00

Learning Outcomes

1. Analyze the goals and explain the rationale for a visualization.
2. Distinguish and select acquired data into identifiable and meaningful sets.
3. Design and publish visualizations appropriate for selected data and media.
4. Evaluate contemporary software-based artistic practice.
5. Construct functioning and appropriate code syntax to create visual output.

Introduction to Graphic Design, Certificate of Achievement

Requirements

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<th>Code</th>
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<td>GDP 119</td>
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<td>GDP 120</td>
<td>Information Visualization</td>
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<td>GDP 217</td>
<td>Dynamic Information Visualization</td>
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<tr>
<td>MAT 153</td>
<td>Web Design I</td>
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Select one course from the following: 1.5-3

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Total Units 15.00

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. Identify and apply their creative abilities to communicate ideas with confidence.
5. Apply entrepreneurial skills to improve their freelance business.
Strongly Recommended

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<tr>
<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
<td>3</td>
</tr>
<tr>
<td>GDP 118</td>
<td>Creative Thinking</td>
<td>3</td>
</tr>
<tr>
<td>GDP 215</td>
<td>Publication Design</td>
<td>3</td>
</tr>
<tr>
<td>GDP 290</td>
<td>Work Experience In Graphic Design and Photography</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 205</td>
<td>Portfolio Development And Professional Practices</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
</tbody>
</table>

Students must complete all department requirements for the certificate with a cumulative 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.

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
For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDP 110</td>
<td>Media Design</td>
<td>3</td>
</tr>
<tr>
<td>GDP 111</td>
<td>Graphic Design Basics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>6</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDP 113</td>
<td>Typography</td>
<td>3</td>
</tr>
<tr>
<td>GDP 114</td>
<td>Graphic Design I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>6</td>
</tr>
<tr>
<td><strong>Second Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GDP 212</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>3</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT/MKT 164 Online and Mobile Marketing</td>
<td>Units</td>
<td>1.50-3</td>
</tr>
<tr>
<td>MAT 177</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 178</td>
<td>Total Units</td>
<td>16.50-18</td>
</tr>
</tbody>
</table>
HEALTH INFORMATION TECHNOLOGY AND CANCER INFORMATION

Program Description

Opportunities in the health information field have expanded with changes in health care delivery, utilization and reimbursement and with developments in information technology. The Health Information Technology and Cancer Information Management Department offers four exciting options to prepare for a health information career:

1. the Associate in Science in Health Information Technology;
2. the Associate in Science in Cancer Information Management;
3. the Certificate of Achievement in Cancer Information Management; and
4. the Certificate of Achievement in Medical Coding Specialist.

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. Examinations are online. Professional directed practice, under the guidance of a clinical preceptor, is provided at facilities as close as possible to each student’s residence.

Health Information Technology

The Health Information Technology (HIT) Program prepares students for a career that places them where the expanding arena of healthcare meets the cutting edge of technology. HIT professionals are the experts on patient data that doctors, nurses and other providers rely on to perform their jobs and which consumers need to manage their own healthcare. By maintaining, collecting, analyzing and securing health information, their work makes an important contribution to the delivery of quality care.

Graduates of the program are granted the Associate in Science Degree in Health Information Technology. The program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). Graduates are eligible to take the national credentialing exam to become a Registered Health Information Technician (RHIT). CAHIIM is located at 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5800 or www.cahiim.org (http://www.cahiim.org) or e-mail info@cahiim.org.

Cancer Information Management

The Cancer Information Management (CIM) Program prepares students for positions with hospital-based and population-based cancer registries. Responsibilities typically include identification of reportable cancer cases; abstraction of pertinent cancer data from patient records and 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.

Graduates of this program who earn the Associate in Science Degree in Cancer Information Management are eligible to take the national credentialing exam to become a Certified Tumor Registrar (CTR). Graduates who earn the Certificate of Achievement in Cancer Information Management and who have an Associate Degree or higher in any field are also eligible to the CTR exam. The program is accredited by the National Cancer Registrars Association (NCRA). NCRA is located at 1330 Braddock Place, Suite 520, Alexandria, VA 22314; www.ncra-usa.org (http://www.ncra-usa.org).

Medical Coding Specialist

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, and other health care settings. Coders ensure that valid codes are applied to medical diagnoses and procedures per coding classification guidelines and to facilitate reimbursement, analyze patient outcomes, and medical research.

The Medical Coding Specialist Certificate of Achievement prepares students to take the national certification examination to become a Certified Coding Associate (CCA) offered by AHIMA. This program is approved by the American Health Information Management Association (AHIMA). AHIMA is located at 233 N. Michigan Avenue, 21st Floor, Chicago, IL 60601-5809 or at (312) 233-1100; www.ahima.org (http://www.ahima.org).

Planning a Program of Study

Continually updated program information is available at www.sbcc.edu/HIT/website (http://www.sbcc.edu/HIT/website).

Program Cost and Outcome

For planning purposes, the following webpages provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Cancer Information Management


Medical Coding Specialist

www.sbcc.edu/financialaid/gainfulemployment/Medical%20Coding%20Specialist.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Medical%20Coding%20Specialist.htm)

Programs of Study

Credit Programs

• Cancer Information Management, Associate in Science (AS) (p. 248)
• Health Information Technology, Associate of Science (AS) (p. 249)
• Cancer Information Management, Certificate of Achievement (C) (p. 248)
• Medical Coding Specialist, Certificate of Achievement (C) (p. 249)
**Cancer Information Management, Associate in Science (AS)**

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT 135</td>
<td>Basic Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BMS 146</td>
<td>Human Form And Function</td>
<td>3</td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>CIM 100</td>
<td>Cancer Registry Management I</td>
<td>3</td>
</tr>
<tr>
<td>HIT 101</td>
<td>Introduction To Health Information Management</td>
<td></td>
</tr>
<tr>
<td>HIT 204</td>
<td>Basic Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>CIM 125</td>
<td>Cancer Disease Management</td>
<td>4</td>
</tr>
<tr>
<td>CIM 201</td>
<td>Abstracting Principles And Practice I</td>
<td>3</td>
</tr>
<tr>
<td>CIM 150</td>
<td>Oncology Coding And Staging Systems</td>
<td>4</td>
</tr>
<tr>
<td>CIM 202</td>
<td>Abstracting Principles And Practice II</td>
<td>3</td>
</tr>
<tr>
<td>CIM 225</td>
<td>Cancer Registry Management II</td>
<td>2</td>
</tr>
<tr>
<td>CIM 250</td>
<td>Cancer Statistics And Epidemiology</td>
<td>3</td>
</tr>
<tr>
<td>HIT 240</td>
<td>HC Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>MGMT 101</td>
<td>Introduction To Management</td>
<td>3</td>
</tr>
<tr>
<td>CIM 275</td>
<td>CIM Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Units:** 47.00

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.

**Note:** Each required course must be completed with a minimum grade of “C.”

### Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### 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.
5. Participate in follow-up procedures and data quality analysis and utilization to improve patient care and facilitate with facility planning/expansion.

**Health Information Technology, Associate of Science (AS)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>HIT 135</td>
<td>Basic Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BMS 146</td>
<td>Human Form And Function</td>
<td>3</td>
</tr>
<tr>
<td>HIT 101</td>
<td>Introduction To Health Information Management</td>
<td>3</td>
</tr>
<tr>
<td>HIT 102</td>
<td>Legal Aspects Of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HIT 204</td>
<td>Basic Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>HIT 201</td>
<td>Pharmacology For Allied Health</td>
<td>2</td>
</tr>
<tr>
<td>HIT 202</td>
<td>International Classification of Diseases, Diagnostic Coding</td>
<td>2</td>
</tr>
<tr>
<td>HIT 203</td>
<td>International Classification of Diseases, Procedural Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIT 210</td>
<td>CPT Procedural Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIT 255</td>
<td>Medical Insurance and Reimbursement Methodologies 1</td>
<td>4</td>
</tr>
<tr>
<td>HIT 220</td>
<td>HIM Statistics</td>
<td>2</td>
</tr>
<tr>
<td>HIT 240</td>
<td>HC Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>HIT 230</td>
<td>Alternative Delivery Systems</td>
<td>2</td>
</tr>
<tr>
<td>HIT 265</td>
<td>HIM Computer Applications</td>
<td>2</td>
</tr>
<tr>
<td>MGMT 101</td>
<td>Introduction To Management</td>
<td>3</td>
</tr>
<tr>
<td>HIT 275</td>
<td>HIT Practicum 2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>48.00</td>
</tr>
</tbody>
</table>

1 This requirement may be met by HIT 150 plus HIT 250.

2 With the exception of HIT 230, all HIT classes must be completed prior to enrolling in HIT 275 HIT 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.

**Note: Each required course must be completed with a minimum grade of “C”**.

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**Medical Coding Specialist, Certificate of Achievement (C)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
<td>4</td>
</tr>
<tr>
<td>HIT 135</td>
<td>Basic Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>BMS 146</td>
<td>Human Form And Function</td>
<td>3</td>
</tr>
<tr>
<td>HIT 101</td>
<td>Introduction To Health Information Management</td>
<td>3</td>
</tr>
<tr>
<td>HIT 102</td>
<td>Legal Aspects Of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>HIT 204</td>
<td>Basic Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>HIT 201</td>
<td>Pharmacology For Allied Health</td>
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</tr>
<tr>
<td>HIT 202</td>
<td>International Classification of Diseases, Diagnostic Coding</td>
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</tr>
<tr>
<td>HIT 203</td>
<td>International Classification of Diseases, Procedural Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIT 210</td>
<td>CPT Procedural Coding</td>
<td>3</td>
</tr>
<tr>
<td>HIT 255</td>
<td>Medical Insurance and Reimbursement Methodologies 1</td>
<td>4</td>
</tr>
<tr>
<td>HIT 205</td>
<td>Advanced Coding Applications</td>
<td>4</td>
</tr>
<tr>
<td>HIT 280</td>
<td>Medical Coding Practicum 2</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>38.00</td>
</tr>
</tbody>
</table>

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.

**Note: Each required course must be completed with a minimum grade of “C”**. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.
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.
**Program Description**

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.

For more information on the department, visit [http://www.sbcc.edu/history/](http://www.sbcc.edu/history/)

**Planning a Program of Study**

The Santa Barbara City College History curriculum encompasses nearly all of the courses taken during the first two years at any branch of the University of California and the California State Universities. The offerings also duplicate the lower-division and general education history courses of many private colleges and universities.

Courses in American History satisfy the American Institutions Requirement (AIR) at SBCC, the University of California and other state and private colleges. Elective History courses are offered to meet the needs of History majors as well as of students in other academic and interdisciplinary majors.

**American Institutions (AIR)**

The American Institutions Requirement (AIR) for the Associate in Arts or Science Degrees from Santa Barbara City College may be satisfied in part or entirely by any of the following: HIST 100 or 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.

**Multicultural/Gender Studies**

The Multicultural/Gender Studies Requirement for the Associate in Arts/Science Degrees from Santa Barbara City College may be satisfied entirely by any one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 110</td>
<td>History Of American Women</td>
<td>3</td>
</tr>
<tr>
<td>HIST 111</td>
<td>The American West As Frontier And Region</td>
<td>3</td>
</tr>
<tr>
<td>HIST 127</td>
<td>History Of Russia</td>
<td>3</td>
</tr>
<tr>
<td>HIST 130</td>
<td>History Of Latin America: Bc To 1800'S</td>
<td>3</td>
</tr>
<tr>
<td>HIST 131</td>
<td>History Of Latin America: 1800'S To Modern Period</td>
<td>3</td>
</tr>
<tr>
<td>HIST 134</td>
<td>History Of Latin America: 1800'S To Modern Period</td>
<td>3</td>
</tr>
<tr>
<td>HIST 135</td>
<td>History Of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIST 138</td>
<td>History Of The Modern Middle East</td>
<td>3</td>
</tr>
<tr>
<td>ETHS 101/HIST 114</td>
<td>The Immigrant Experience in the U.S.</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 department adviser before planning an academic program for transfer. Information sheets for majors, outlining transfer requirements, are available in the Counseling Center.

**Honors and Awards**

The History faculty selects one student each year to be honored as “Outstanding Student.” Students are nominated by members of the faculty and selections are made on the basis of academic achievements and contributions to campus life. Honors course sections are available for able students in HIST 102 History Of The U.S. Since 1865 and HIST 104 History Of Western Civilization: 1600 To Present, Honors.

**Special Programs and Courses**

**Honors Courses**

HIST 102H History Of The U.S. Since 1865, Honors, HIST 113H History Of Western Civilization: 1600 To Present, Honors and HIST 114H The Immigrant Experience In The U.S., Honors are for students enrolled in the Honors Program.

**Advising**

Our faculty is eager to provide counseling to students seeking to explore career opportunities that relate to history as a discipline, or needing further information about any of our course offerings. Dr. David Elliott is the History Department faculty adviser.

**Student Participation**

We invite student suggestions at any time about needed changes in curriculum or additions to our program. Our course offerings are constantly under review and we welcome student perspective.

**Programs of Study**

**Credit Programs**

- History, Associate in Arts (AA) (p. 251)
- History, Associate in Arts for Transfer (AA-T) (p. 252)

**History, Associate in Arts (AA) Requirements**

We offer classes to satisfy the course requirements for the History major. We encourage each student to meet with a member of our History faculty for further guidance.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Requirements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIST 101</td>
<td>History Of The U.S. To 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 102</td>
<td>History Of The U.S. Since 1865</td>
<td>3-4</td>
</tr>
<tr>
<td>HIST 102H</td>
<td>History Of The U.S. Since 1865, Honors</td>
<td></td>
</tr>
<tr>
<td>HIST 103</td>
<td>History Of Western Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 104</td>
<td>History Of Western Civilization</td>
<td>3-4</td>
</tr>
</tbody>
</table>
History, Associate in Arts for Transfer (AA-T)

Requirements
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 degree in History for Transfer provides students with the foundational knowledge in History to make a successful transition into a Baccalaureate Degree in History at any of the CSU campuses.

General Education
Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum “IGETC” for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major
Complete 18-24 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 101</td>
<td>History Of The U.S. To 1877</td>
<td>3</td>
</tr>
<tr>
<td>HIST 102</td>
<td>History Of The U.S. Since 1865</td>
<td>3-4</td>
</tr>
<tr>
<td>or HIST 102H</td>
<td>History Of The U.S. Since 1865, Honors</td>
<td></td>
</tr>
</tbody>
</table>

List A
Select two courses from the following: 6-7

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 103</td>
<td>History Of Western Civilization</td>
<td>1</td>
</tr>
<tr>
<td>or HIST 107</td>
<td>World Civilization, Beginnings To 1550</td>
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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.
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<tr>
<td>HIST 107</td>
<td>World Civilization, Beginnings To 1550 (if not selected above)</td>
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<tr>
<td>or HIST 108</td>
<td>World Civilization, 1550 To Present</td>
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<td>ARBC 101</td>
<td>Beginning Modern Standard Arabic</td>
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<td>ASAM 101</td>
<td>Comparative Asian-American History, 1849-1965</td>
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<td>ASAM 102</td>
<td>Contemporary Asian-American History</td>
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<tr>
<td>BLST 101</td>
<td>The African-American In U.S. History To World War II</td>
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<td>BLST 102</td>
<td>The African-American In U.S. History, From Civil Rights Movement To Present</td>
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<td>or BLST 102H</td>
<td>The African-American in U.S. History, from Civil Rights to Present, Honors</td>
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<td>BLST 103</td>
<td>African-American Culture</td>
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<td>BLST 113</td>
<td>African-American And Afro-Caribbean Literature In The U.S.</td>
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<td>CHST 101</td>
<td>Mexican-American (Chicano) History</td>
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<td>CHST 102</td>
<td>The Chicano And Latino In U.S. History, From The 1960's To The Present</td>
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<td>CHST 103</td>
<td>Mexican-American (Chicano) Culture</td>
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<td>CHST 113</td>
<td>Introduction To Chicano/Mexican-American Literature</td>
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<td>CHST 114</td>
<td>Borderlands Literature: U.S.-Mexico</td>
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<td>CHST 115</td>
<td>Introduction To Mexican Literature</td>
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<td>CHST 121</td>
<td>The Chicana And Other Latina Women</td>
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<td>CHIN 101</td>
<td>Beginning Chinese I</td>
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<td>CHIN 102</td>
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<td>Intermediate Chinese</td>
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<td>ETHS 101</td>
<td>The Immigrant Experience in the U.S.</td>
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<td>ETHS 101H</td>
<td>The Immigrant Experience in the U.S., Honors</td>
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<td>ETHS 107</td>
<td>Racism In America</td>
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<td>Women Of Color In The U.S.</td>
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<tr>
<td>ETHS 122</td>
<td>Arab-American/Middle Eastern Women In The U.S.</td>
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<td>FR 101</td>
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<tr>
<td>HEBR 101</td>
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<td>HEBR 102</td>
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<tr>
<td>HIST 114</td>
<td>The Immigrant Experience In The U.S.</td>
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<td>The Immigrant Experience In The U.S., Honors</td>
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<tr>
<td>HIST 134</td>
<td>History Of Latin America: 1800'S To Modern Period</td>
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<td>HIST 135</td>
<td>History Of Mexico</td>
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<tr>
<td>HIST 137</td>
<td>History Of Religions Of The Middle East</td>
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<td>HIST 138</td>
<td>History Of The Modern Middle East</td>
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<td>ITAL 101</td>
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<td>ITAL 102</td>
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<td>Intermediate Italian I</td>
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<td>JAPN 103</td>
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<td>JAPN 104</td>
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<td>Beginning Korean</td>
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<td>KOR 102</td>
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<td>LATN 101</td>
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<td>LATN 102</td>
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<td>NATA 101</td>
<td>American Indian: Past And Present</td>
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<td>NATA 102</td>
<td>The Native American In 20th Century Society</td>
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<td>NATA 103</td>
<td>Native American Cultural Heritage</td>
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<td>NATA 104</td>
<td>California Indians</td>
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<td>NATA 105</td>
<td>California Tribes: The Chumash</td>
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<tr>
<td>NATA 113</td>
<td>The Indian In Literature: Fact And Fiction</td>
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<td>SOC 107</td>
<td>Racism in America</td>
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<td>Intermediate Spanish for Native Speakers I</td>
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<td>SPAN 160</td>
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Select one course from Group 1 and Group 2:

List B: 6-10

Total Units: 18.00-24.00
These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or articulation.sbcc.edu (http://articulation.sbcc.edu) for a complete list of IGETC and CSU GE Breadth requirements.

Group 2

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<th>Code</th>
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<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
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<tr>
<td>ANTH 109</td>
<td>Comparative World Cultures</td>
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</tr>
<tr>
<td>ANTH 113</td>
<td>Witchcraft, Magic, Science And Religion</td>
<td>3</td>
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<tr>
<td>ART 102A</td>
<td>Early Twentieth Century Art, 1900-1945</td>
<td>3</td>
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<tr>
<td>ART 102B</td>
<td>Late Twentieth Century Art</td>
<td>3</td>
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<tr>
<td>ART 103</td>
<td>History Of Art, Prehistoric To Gothic</td>
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<td>or ART 103H</td>
<td>History Of Art, Prehistoric To Gothic, Honors</td>
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<tr>
<td>ART 104</td>
<td>History Of Art, Renaissance To Modern</td>
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<td>or ART 104H</td>
<td>History Of Art, Renaissance To Modern, Honors</td>
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<tr>
<td>ART 106</td>
<td>History Of American Art</td>
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<tr>
<td>ART 108</td>
<td>History Of Asian Art</td>
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<td>ART 110</td>
<td>History Of Women In Art</td>
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<tr>
<td>ART 111</td>
<td>Survey Of Tribal Arts</td>
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<td>ART 112</td>
<td>Survey Of Pre-Columbian Art</td>
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<td>ART 211</td>
<td>Nineteenth Century Art</td>
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<td>ART 215</td>
<td>Survey Of Non-Western Art</td>
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<tr>
<td>ART 216</td>
<td>Survey Of Islamic Art And Architecture</td>
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<td>CHST 130</td>
<td>History Of Mexican Art</td>
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<td>CHST 131</td>
<td>History Of Chicano Art</td>
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<td>COMM 151</td>
<td>Intercultural Communication</td>
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<td>ECON 101</td>
<td>Microeconomics</td>
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<td>ECON 102</td>
<td>Macroeconomics</td>
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<tr>
<td>ECON 106</td>
<td>International Economics</td>
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<td>ENG 221</td>
<td>Survey Of British Literature</td>
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<td>ENG 222</td>
<td>Survey Of British Literature</td>
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<td>Survey of British Literature, Honors</td>
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<td>ENG 225</td>
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<td>ENG 226</td>
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<tr>
<td>ENG 231</td>
<td>World Literature</td>
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<td>ENG 232</td>
<td>World Literature</td>
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<tr>
<td>ENG 241</td>
<td>Contemporary Women Writers</td>
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<td>ENVS 112</td>
<td>American Environmental History</td>
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<tr>
<td>ERTH 142</td>
<td>Economic Geography</td>
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<tr>
<td>FS 116</td>
<td>Gender and Sexuality in Film</td>
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<td>GEOG 102</td>
<td>Human Geography</td>
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<td>GEOG 104</td>
<td>World Regional Geography</td>
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<td>GEOG 105</td>
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<tr>
<td>GLST 101</td>
<td>Introduction to Global Studies</td>
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<td>GLST 102</td>
<td>Global Problems</td>
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<tr>
<td>HIST 110</td>
<td>History Of American Women</td>
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or HIST 110H | History Of American Women (Honors)                      |

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<td>HIST 111</td>
<td>The American West As Frontier And Region</td>
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<td>HIST 112</td>
<td>American Environmental History</td>
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<td>HIST 115</td>
<td>The Vietnam Wars</td>
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<td>HIST 120</td>
<td>Modern Europe</td>
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<td>History Of Great Britain</td>
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<td>HIST 122</td>
<td>History Of Great Britain</td>
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<td>HIST 127</td>
<td>History Of Russia</td>
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<td>NATA 112</td>
<td>Native American Visual And Musical Art</td>
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<tr>
<td>PHIL 100</td>
<td>Introduction To Philosophy</td>
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<tr>
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<td>Introduction To Philosophy, Honors</td>
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<tr>
<td>PHIL 101</td>
<td>Introduction To Ethics</td>
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<td>or PHIL 101H</td>
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<tr>
<td>PHIL 102</td>
<td>Comparative World Religions</td>
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<td>Comparative World Religions, Honors</td>
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<td>PHIL 200</td>
<td>History Of Philosophy: Ancient</td>
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<td>History Of Philosophy: Modern</td>
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<td>PHIL 203</td>
<td>History Of Philosophy: Contemporary</td>
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<td>PHIL 207A</td>
<td>Comparative Philosophy, East And West</td>
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<td>POLS 101</td>
<td>American Government And Politics</td>
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<td>POLS 104</td>
<td>American Government: Policy Issues/ Process</td>
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<td>POLS 121</td>
<td>International Politics</td>
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<td>or POLS 121H</td>
<td>International Politics, Honors</td>
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<tr>
<td>POLS 131</td>
<td>Comparative Politics</td>
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<td>POLS 132</td>
<td>Political Thinking</td>
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<td>PSY 100</td>
<td>General Psychology</td>
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1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or articulation.sbcc.edu (http://articulation.sbcc.edu) for a complete list of IGETC and CSU GE Breadth requirements.

CSU-Transferable Electives

Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org).

Additional Graduation Requirements for AA-T in History

- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
HONORS

Program Description

The Honors Program is open to all students who have met high academic standards and who wish to participate in an educational plan that provides a unified introduction to the nature and growth of human knowledge. Honors courses contribute breadth to students’ majors in both humanities and sciences; they show connections and interrelationships between disciplines; and they satisfy all SBCC General Education, Mathematics and American Institutions Requirements for the Associate in Arts or Science Degree.

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.

Combined with the excellence of SBCC’s academic majors, the Honors curriculum provides the strongest preparation for transfer to public and private universities and colleges, and all Honors Program courses are designed to meet General Education, IGETC and college requirements.

For more information on the program, visit http://www.sbcc.edu/honors/

The Honors Guild

Honors students created the Honors Guild as a group through which they can meet other Honors students and can influence their environment, be it SBCC, Santa Barbara, or the web. The Guild is instrumental in running the Annual SBCC Student Conference, hosted by Honors, as well as maintaining our website and using that as a virtual community. Additionally, the Guild provides students a chance to make their concerns widely known: over the years, Honors students have worked with local schools, have started reading groups, have bowled together and so on. They selected the word “guild” to suggest their affiliation as curious, interesting learners.

Eligibility for Honors Program

Students may apply for entrance to the Honors Program based on high school transcripts. For consideration, a student’s high school grade point average must be at least 3.0, with no grade below a “C” in an academic subject.

Continuing, returning and transfer students who have completed 12 units of academic course work may apply for entrance into the Honors Program based on college units completed. A minimum overall college grade point average of 3.0 is required, with no grade below a “C” in an academic subject.

To be accepted into the Honors Program, students must demonstrate eligibility for ENG 110 Composition and Reading and at least MATH 107 Intermediate Algebra. Mathematics eligibility is met with three years of high school math, including two years of algebra, with grades of “C” or better. English and Mathematics placement examinations are part of the SBCC enrollment procedure.

It is expected that some potential Honors students entering from high school will have satisfied the SBCC ENG 110 Composition and Reading requirement by completing advanced placement English or SBCC ENG 110 Composition and Reading in high school. These students should contact the Honors Program Director or Program Counselor or the SBCC Assessment Office.

How to Apply

Applications for the Honors Program must be filed with the Honors Program Counselor in the Counseling Center. All new and returning students requesting entrance into the Honors Program are required to file two applications: an application for admission to SBCC and a separate application for admission into the Honors Program. Official high school transcripts must be submitted with the applications of students using high school records to qualify. Continuing students are required to file only the application for admission to the Honors Program.

Application forms and further information may be obtained from the Admissions and Records Office, the Counseling Center and the Honors Program Director’s office (IDC-311).

The application deadline for admission to SBCC and the Honors Program each fall semester is in August. In order for a student’s application to be considered by the Honors Program Committee, English and Mathematics placement examination scores and all supporting materials must be on file at Admissions and Records. Placement examination dates and locations may be obtained from the Counseling Center.

Honors Scholarships

The Santa Barbara City College Foundation provides a generous array of scholarships donated by individuals and businesses. These scholarships are broadly available to qualified incoming freshmen applying to the Honors Program and to all continuing students participating in the Honors Program. Recipients of Honors scholarships are required to remain in the Honors Program, in good standing, for the duration of their course of study at SBCC. For further information about scholarships available to Honors students and requirements, contact the Honors Program Director and/or the Financial Aid Office.

Outstanding Honors Program Student

The Honors Program Committee selects one student each year from within the Honors Program to receive the “Outstanding Honors Student” award. Selection is based primarily on the student’s academic excellence and may also consider service to the Honors Guild, to the college or to the larger community. No application is required. The recipient will be honored at the Awards Banquet held by the college in the spring of each year.

Honors Transfer Agreements and Transfer Scholarships

Completion of the Honors Program (Social Sciences and Humanities or Sciences/Mathematics track) makes available to the student transfer agreements and transfer scholarships. For details, contact the Honors Program Director or Wendy Peters, Counseling Center, (805) 965-0581, ext. 2377.
Honors Society: Phi Theta Kappa

Phi Theta Kappa is the international honor society for two-year colleges. Santa Barbara City College’s chapter of Phi Theta Kappa is Beta Gamma Upsilon. Although not tied to the Honors Program, membership in Phi Theta Kappa and in the Honors Program complement each other perfectly. Students are required to have completed 12 units at SBCC and have a GPA of 3.5 to be considered for membership.

The benefits of membership include nationwide recognition of scholarly excellence, scholarships, access to prestigious universities, special graduation certificates and transcript notations, leadership opportunities as chapter officers, and fellowship and service opportunities at SBCC and in the community.

For more details on how to apply, contact the campus adviser, Manou Eskandari-Qajar, IDC-357, ext. 2435.

Planning a Program of Study

The Honors Program courses are designed as an integrated general education complement to major requirements in all disciplines. Careful planning is essential for simultaneous completion of Honors and departmental requirements. Students taking only selected classes in the program should be aware of the interrelatedness of the Honors curriculum. It is important that students consult with the faculty adviser in the department of their major and a member of the Honors Program Committee.

Students are encouraged to enroll in the program beginning with each Fall Semester. However, applications will be considered for Spring admission if space allows. Students planning to complete an AA Degree in two years must plan to take one to two Honors courses per semester in the Honors: Social Sciences and Humanities track and one Honors course per semester in the Honors: Sciences/Mathematics track.

Most Honors courses rotate into the curriculum on a two- to three-year cycle. Additional Honors classes and sections may be offered at various times. Check the Schedule of Classes and the Honors class listings available at the Director’s office for any new or additional offerings each semester.

Programs of Study

Credit Programs

- Honors, Certificate of Achievement (C): Humanities/Social Sciences Emphasis (p. 257)
- Honors, Certificate of Achievement (C): Science/Mathematics Emphasis (p. 257)

Honors, Certificate of Achievement (C): Humanities/Social Sciences Emphasis

Requirements

Students will receive an “Honors Certificate of Achievement: Social Sciences and Humanities” when they have successfully completed at least six Honors Program courses (16.5 units minimum) with a grade point average of 3.0 in Honors courses and no grade below a “B” in any Honors course (a maximum of one honors course may be completed with a “C”). Students will receive a “Certificate of Achievement, with Highest Honors” by meeting these requirements and maintaining a cumulative GPA of 3.5 or better for all coursework completed at SBCC. Candidates for a Certificate of Achievement are expected to complete at least 20% of the department requirements through SBCC. Pass/No Pass grading is not permitted in a course within a student’s major area of study.

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<th>Code</th>
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<td>Interpersonal Communication, Honors</td>
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<td>ENG 111H</td>
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<td>FS 101H</td>
<td>Introduction to Film Studies, Honors</td>
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<tr>
<td>HIST 102H</td>
<td>History Of The U.S. Since 1865, Honors</td>
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<td>HIST 113H</td>
<td>History Of Western Civilization: 1600 To Present, Honors</td>
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<td>HIST 114H</td>
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<td>or ETHS 101H</td>
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<td>PHIL 101H</td>
<td>Introduction To Ethics, Honors</td>
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<td>PHIL 102H</td>
<td>Comparative World Religions, Honors</td>
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<td>POLS 106H</td>
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</table>

Total Units 16.50-24.00

1 ENG 282BH can only be taken once for credit toward the Certificate of Achievement.

Honors, Certificate of Achievement (C): Sciences/Mathematics

Requirements

Certificate Requirements

Students will receive an “Honors Certificate of Achievement: Sciences/Mathematics” when they have successfully completed at least four Science/Math courses (12 units minimum) and four Honors Program
Courses (10.5 units minimum) with a grade point average of 3.0 in Honors courses and no grade below "B" in any Honors course (a maximum of one honors course may be completed with a "C"). Students will receive a "Certificate of Achievement, with Highest Honors" by meeting these requirements and by maintaining a cumulative GPA of 3.5 or better for all course work completed at SBCC. Candidates for a Certificate of Achievement are expected to complete at least 20% of the department requirements through SBCC. Pass/no pass grading is not permitted in a course within a student's major area of study.

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<td>ENGR 115</td>
<td>Statics And Strength Of Materials</td>
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<td>Humans And The Biological Environment</td>
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<td>ERTH 111</td>
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<td>Petrology And Rock-Forming Minerals</td>
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<td>ERTH 131</td>
<td>Geologic Field Studies - Eastern Sierra Nevada</td>
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<td>Electricity and Magnetism</td>
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<td>PHYS 123</td>
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<td>BIOL 110H</td>
<td>Natural Science, Honors</td>
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<td>ERTH 111H</td>
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<td>FS 101H</td>
<td>Introduction to Film Studies, Honors</td>
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<tr>
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<td>The Immigrant Experience In The U.S., Honors</td>
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<tr>
<td>or ETHS 101H</td>
<td>The Immigrant Experience in the U.S., Honors</td>
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<td>SOC 101H</td>
<td>Introduction to Sociology, Honors</td>
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</table>

Total Units: 22.50-36.50
A course may not be used to satisfy more than one requirement (double counting is not allowed).
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

Program Description
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. Certified, 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.

For more information on the department, visit http://www.sbcc.edu/interiordesign/

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.

Honors and Awards
The Interior Design Program selects one student each year as “Outstanding Student.” Selections are made by the department faculty and are based on academic achievement and service to the college.

Program Cost and Outcome
For planning purposes, the webpage 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/Interior%20Design.htm

Programs of Study
Credit Programs
• Interior Design, Associate of Arts (AA) (p. 261)
• Interior Design, Certificate of Achievement (C) (p. 263)
• Interior Design: Part 1, Skills Competency Award (SCA) (p. 263)
• Interior Design: Part 2, Skills Competency Award (SCA) (p. 264)

Interior Design, Associate of Arts (AA)
Requirements

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<td>ID 100L</td>
<td>Introduction to Interior Design Lab</td>
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<td>ID 101</td>
<td>Space Planning And Lighting</td>
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<td>ID 103</td>
<td>Historical Furniture</td>
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<td>ID 104</td>
<td>Materials And Installations</td>
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<tr>
<td>ID 105</td>
<td>Kitchen And Bathroom Design</td>
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<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
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<td>ART 141</td>
<td>3-D Design: Form And Space</td>
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<td>DRFT 120</td>
<td>Architectural Drafting I</td>
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<td>DRFT 124</td>
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<td>DRFT 129</td>
<td>Principles Of Residential Construction</td>
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<td>BUS 101</td>
<td>Introduction To Business</td>
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<td>DRFT 121</td>
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<td>DRFT 125</td>
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<td>DRFT 131</td>
<td>Computer-Assisted Drafting And Design II</td>
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<td>DRFT 132</td>
<td>CAD Drafting/Design III</td>
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<td>ID 290</td>
<td>Work Experience In Interior Design</td>
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<td>MAT 131</td>
<td>Digital Imaging I</td>
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Total Units 40.00-42.00
Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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 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
For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

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<td>Architectural Drafting I</td>
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<tr>
<td>ID 104</td>
<td>Materials And Installations</td>
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<td>Studio Art Foundations (2-D)</td>
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<td>ART 108</td>
<td>History Of Asian Art</td>
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<td>ART 215</td>
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<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td>14-15</td>
</tr>
<tr>
<td>ID 101</td>
<td>Space Planning And Lighting</td>
<td>3</td>
</tr>
<tr>
<td>ID 103</td>
<td>Historical Furniture</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 129</td>
<td>Principles Of Residential Construction</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Second Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ID 105</td>
<td>Kitchen And Bathroom Design</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 130</td>
<td>Computer-Assisted Drafting And Design I</td>
<td>5</td>
</tr>
<tr>
<td>DRFT 124</td>
<td>Architectural Rendering I</td>
<td>3</td>
</tr>
<tr>
<td>ID 290</td>
<td>Work Experience In Interior Design (or other controlled elective)</td>
<td>1-4</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>12-15</td>
</tr>
<tr>
<td><strong>Total Units</strong></td>
<td></td>
<td>38-42</td>
</tr>
</tbody>
</table>

1 Must take concurrently

Sample Interior Design Program Schedule (Part-Time)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ID 100 &amp; 100L</td>
<td>Introduction to Interior Design and Introduction to Interior Design Lab</td>
<td>2</td>
</tr>
<tr>
<td>DRFT 120</td>
<td>Architectural Drafting I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td><strong>Spring Semester</strong></td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ART 104 or ART 104H</td>
<td>History Of Art, Renaissance To Modern or History Of Art, Renaissance To Modern, Honors</td>
<td></td>
</tr>
<tr>
<td>ART 108</td>
<td>History Of Asian Art</td>
<td></td>
</tr>
<tr>
<td>ART 215</td>
<td>Survey Of Non-Western Art</td>
<td></td>
</tr>
<tr>
<td>ID 103</td>
<td>Historical Furniture</td>
<td>3</td>
</tr>
<tr>
<td><strong>Units</strong></td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

| **Second Year** | | |
| **Fall Semester** | | |
| ID 104 | Materials And Installations | 3 |
| DRFT 124 | Architectural Rendering I | 3 |
| **Units** | | 6 |
| **Spring Semester** | | 3 |
| DRFT 129 | Principles Of Residential Construction | 3 |
| ID 101 | Space Planning And Lighting | 3 |
| **Units** | | 6 |

| **Third Year** | | |
| **Fall Semester** | | |
| ART 140 | Studio Art Foundations (2-D) | 3 |
| ID 105 | Kitchen And Bathroom Design | 3 |
| **Units** | | 6 |
| **Spring Semester** | | 3 |
| ART 141 | 3-D Design: Form And Space | 3 |
| DRFT 130 | Computer-Assisted Drafting And Design I | 5 |
| **Units** | | 8 |
Fourth Year
Fall Semester

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 290</td>
<td>Work Experience In Interior Design (or other controlled elective)</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Total Units: 38-41

1 Must take concurrently

**Interior Design, Certificate of Achievement (C)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID 100</td>
<td>Introduction to Interior Design</td>
<td>1</td>
</tr>
<tr>
<td>ID 100L</td>
<td>Introduction to Interior Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>ID 101</td>
<td>Space Planning And Lighting</td>
<td>3</td>
</tr>
<tr>
<td>ID 103</td>
<td>Historical Furniture</td>
<td>3</td>
</tr>
<tr>
<td>ID 104</td>
<td>Materials And Installations</td>
<td>3</td>
</tr>
<tr>
<td>ID 105</td>
<td>Kitchen And Bathroom Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Art Requirements:

ART 140 Studio Art Foundations (2-D) 3
ART 141 3-D Design: Form And Space 3

Drafting Requirements:

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

**Controlled Art History Electives**

Select at least 3 units 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

Select at least 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)

**Interior Design: Part 1, Skills Competency Award (SCA)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 120</td>
<td>Architectural Drafting I</td>
<td>3</td>
</tr>
<tr>
<td>ID 100</td>
<td>Introduction to Interior Design</td>
<td>1</td>
</tr>
<tr>
<td>ID 100L</td>
<td>Introduction to Interior Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>ID 104</td>
<td>Materials And Installations</td>
<td>3</td>
</tr>
<tr>
<td>ID 105</td>
<td>Kitchen And Bathroom Design</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 14.00

Students must complete all courses with a grade of “C” or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

**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 characterized 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.

Students must complete all department requirements for the certificate with a cumulative 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.
## Interior Design: Part 2, Skills Competency Award (SCA)

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRFT 120</td>
<td>Architectural Drafting I</td>
<td>3</td>
</tr>
<tr>
<td>DRFT 130</td>
<td>Computer-Assisted Drafting And Design I</td>
<td>5</td>
</tr>
<tr>
<td>ID 100</td>
<td>Introduction to Interior Design</td>
<td>1</td>
</tr>
<tr>
<td>ID 100L</td>
<td>Introduction to Interior Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>ID 101</td>
<td>Space Planning And Lighting</td>
<td>3</td>
</tr>
<tr>
<td>ID 103</td>
<td>Historical Furniture</td>
<td>3</td>
</tr>
</tbody>
</table>

**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

Program Description
The profession of journalism has undergone a seismic shift. Newspapers and broadcast journalism have moved online, allowing for more immediate reporting, faster news cycles and extensive public interaction. The pervasiveness of mobile devices has exponentially increased the demand for up-to-date news and led to a new class of journalists able to tell stories using a full array of digital tools.

Journalism students at Santa Barbara City College learn by doing. Through the award-winning 24/7 site, the Channels.org, students learn reporting and nonfiction story production for multiple platforms, including photography, video, audio, social media and digital media. Students also learn about news writing, interviewing, reporting, editing, freelancing, photojournalism, multimedia story production, journalism history, media law and journalism ethics. Theory courses such as mass media and documentary film round out a curriculum that prepares students to become professional journalists committed to truth telling, ethical practice and creative craftsmanship.

The department offers two Associate Degrees for transfer-bound majors, as well as both a Certificate and a Skills Competency Award in public relations. SBCC faculty work closely with our counterparts at state universities to ensure the relevance, currency and transferability of all our classes and programs.

For more information on the department, visit http://www.sbcc.edu/journalism/

Honors and Awards
The Channels was established in 1957 and has evolved as a professional-quality college news site. Today, it enjoys a national reputation for excellence.

Semester after semester, The Channels has won top awards from the Associated Collegiate Press, the California Newspaper Publishers Association and the Journalism Association of Community Colleges. Individual Channels staffers also are consistently among the top award winners in regional and statewide journalism competitions.

The Channels’ award-winning work is the direct reflection of Santa Barbara City College’s insistence on excellence in updated curriculum and technology and faculty leadership. As important are the high quality and intense dedication of the hard-working men and women who join the paper’s staff.

Program Cost and Outcome
For planning purposes, the webpages below provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Journalism: Emphasis in Broadcast Journalism
www.sbcc.edu/financialaid/gainfulemployment/Journalism%20Emphasis%20in%20Broadcast%20Journalism.htm

Journalism: Emphasis in Writing and Editing
www.sbcc.edu/financialaid/gainfulemployment/Journalism%20Emphasis%20in%20Writing%20and%20Editing.htm

Journalism: Emphasis in Visual Journalism
www.sbcc.edu/financialaid/gainfulemployment/Journalism%20Emphasis%20in%20Visual%20Journalism.htm

Programs of Study
Credit Programs
- Journalism, Associate in Arts (AA) (p. 265)
- Journalism, Associate of Arts for Transfer (AA-T) (p. 266)
- Journalism, Certificate of Achievement (C) (p. 267)
- Photojournalism, Skills Competency Award (SCA) (p. 267)
- Public Relations, Skills Competency Award (SCA) (p. 267)

Journalism, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 171</td>
<td>Mass Media And Society</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Reporting/Editing I</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 121</td>
<td>The Channels: Reporting/Editing</td>
<td>3</td>
</tr>
</tbody>
</table>

Controlled Electives:
Select 9-10 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 122A</td>
<td>The Channels: Newswriting and Editing</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 123A</td>
<td>The Channels: Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 123B</td>
<td>The Channels: Publication Design</td>
<td>3</td>
</tr>
<tr>
<td>JOUR/MKT 135</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>JOUR/PHOT 190</td>
<td>Photojournalism (Fall only)</td>
<td>3</td>
</tr>
<tr>
<td>JOUR/ENG 271NF</td>
<td>Creative Writing: Non-fiction (Spring only)</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 18.00-19.00

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Journalism, Associate in Arts for Transfer (AA-T)

Requirements
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 degree in Journalism for Transfer will provide the foundational knowledge in Journalism to students who want to earn a Baccalaureate Degree in Journalism at any of the CSU campuses. NOTE: 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.

Degree Requirements
Complete 60 CSU-transferable units, including General Education, major requirements and CSU-transferable electives as follows:

General Education
Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum “IGETC” for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major
Complete 18-23.5 units as outlined below with a “C” or better in each course. Pass/no pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

Code | Title | Units
--- | --- | ---
COMM 171 | Mass Media And Society | 3
JOUR 101 | Reporting/Writing I | 3
JOUR 121 | The Channels: Reporting/Writing | 3

List A
Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOUR 122A</td>
<td>The Channels: Newswriting and Editing</td>
<td>3-4</td>
</tr>
<tr>
<td>JOUR 135 or MKT 135</td>
<td>Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 190 or PHOT 190</td>
<td>Photojournalism</td>
<td>3</td>
</tr>
</tbody>
</table>

List B
Select two courses from the following:

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
<td>4</td>
</tr>
<tr>
<td>ENG 270</td>
<td>Introduction To Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>FP 175</td>
<td>Film And Video Production I</td>
<td>3</td>
</tr>
<tr>
<td>GDP 111</td>
<td>Graphic Design Basics</td>
<td>3</td>
</tr>
<tr>
<td>MKT 203</td>
<td>Marketing Communications</td>
<td>4</td>
</tr>
<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 209</td>
<td>Photo II</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 18.00-23.50

1 These courses fulfill an IGETC and/or CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU Breadth requirements.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
Journalism, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Core Requirements:</strong></td>
<td></td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Reporting/Writing I</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 121</td>
<td>The Channels: Reporting/Writing</td>
<td>3</td>
</tr>
<tr>
<td>JOUR/PHOT 190</td>
<td>Photojournalism (Fall Only)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Controlled Electives:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Select 10 units from the following:</td>
<td>10</td>
</tr>
<tr>
<td>JOUR 122A</td>
<td>The Channels: Newswriting and Editing</td>
<td></td>
</tr>
<tr>
<td>JOUR 123A</td>
<td>The Channels: Photojournalism</td>
<td></td>
</tr>
<tr>
<td>JOUR 123B</td>
<td>The Channels: Publication Design</td>
<td></td>
</tr>
<tr>
<td>JOUR/MKT 135</td>
<td>Public Relations</td>
<td></td>
</tr>
<tr>
<td>JOUR/ENG 271NF</td>
<td>Creative Writing: Non-fiction (Spring Only)</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>19.00</td>
</tr>
</tbody>
</table>

Students must complete all department requirements for the certificate with a cumulative 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.

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.

Photojournalism, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>JOUR 123A</td>
<td>The Channels: Photojournalism</td>
<td>4</td>
</tr>
<tr>
<td>JOUR/PHOT 190</td>
<td>Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select one course from the following:</td>
<td>3</td>
</tr>
<tr>
<td>FP 114</td>
<td>Non-Linear Editing I</td>
<td></td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Reporting/Writing I</td>
<td></td>
</tr>
<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td></td>
</tr>
<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>13.00</td>
</tr>
</tbody>
</table>

Students must complete the above courses with the grade of “C” or higher or pass. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Public Relations, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>COMM 171</td>
<td>Mass Media And Society</td>
<td>3</td>
</tr>
<tr>
<td>COMP 139 &amp; COMP 271</td>
<td>Social Networking for Business and Business Communications</td>
<td>3-3.5</td>
</tr>
<tr>
<td>or COMM 161</td>
<td>Communication in Organizations</td>
<td></td>
</tr>
<tr>
<td>JOUR 101</td>
<td>Reporting/Writing I</td>
<td>3</td>
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<tr>
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Students must complete the above courses with the grade of “C” or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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 newly renovated Cartwright Learning Resources Center assists students with class-related computer access and media assignments and with tutorial support, including the Tutoring Commons, the Writing Center and the Computer Commons, which provide on-site tutorial support to students using our computers. We also offer learning skills and writing skills workshops throughout the semester and several self-paced Anthropology courses.

We provide CRLA-certified tutor training for academic and computer-support tutors. The CLRC has a website, www.sbcc.edu/learningresources (http://www.sbcc.edu/learningresources), or you may select “Student Services” from the SBCC home page. The website provides links to excellent learning resources, as well as maps and schedules for services on and off campus.

The Cartwright Learning Resources Center is open Monday through Thursday, 8 a.m. to 8 p.m., and Friday, 8 a.m. to 4 p.m. Summer Session hours are Monday through Friday, 8 a.m. to 4 p.m. Call ext. 2670.

Cartwright Learning Resources Center Service Areas

Gateway Center
Offers concentrated subject tutoring for classes in a variety of subjects. A tutor is assigned to one class section and works with the instructor and students during class as well as during tutoring sessions in the Cartwright Learning Resources Center and the Gateway Center. The Gateway Program centers around these subject areas:

- **Computer-Assisted Instructional (CAI) Labs**: Supports in-class use of instructional technology. By reservation only.
- **Computer Commons**: Provides general access to Macintosh and PC computers and tutor support for academic computer applications, including course-specific software and word processing. One-to-one tutoring appointments are also available.
- **Learning Assistance/Check-in Counter**: Provides access to the Computer Commons, the multimedia library for a variety of subjects, as well as materials for the ANTH 121 Cultures Around The World: Asia and the Pacific, ANTH 122 Cultures Around The World: The Americas, and ANTH 123 Cultures Around The World: Africa and the Middle East classes. The Check-In Counter staff also provide instructional guidance regarding the use of LRC academic resources.
- **Learning Skills Workshops**: Offer instructional support in essential skills such as time-management, learning styles, test-taking, math confidence and stress management. See www.sbcc.edu/clrc/workshops.php (http://www.sbcc.edu/clrc/workshops.php).
- **Tutoring Commons**: Provides tutoring in a wide variety of subjects, one-to-one or in small groups.
- **Writing Skills Workshops**: Offer instruction and practice in academic research, from narrowing topics to gathering and documenting resources, using MLA or APA format, or managing writing-related anxiety. See www.sbcc.edu/clrc/workshops.php (http://www.sbcc.edu/clrc/workshops.php).

Tutorial Center
Coordinates a large number of tutorial services, including free small-group and individual tutoring sessions for the general student population, and tutor orientation training.

Writing Center
Offers assistance with pre-writing, organization, thesis and content development and general sentence-level mechanics, as well as online resources through the OWL (online writing library), available via the CLRC website, www.sbcc.edu/clrc/writing_center/ (http://www.sbcc.edu/clrc/writing_center).
LIBERAL ARTS AND SCIENCES

Program Description
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 committing themselves to a major prior to transferring to a four-year university or for students who may not be planning to transfer but 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
Credit Programs
- Liberal Arts and Sciences, Associate in Arts (AA): Arts and Humanities Emphasis (p. 270)
- Liberal Arts and Sciences, Associate in Arts (AA): Science and Mathematics Emphasis (p. 273)
- Liberal Arts and Sciences, Associate in Arts (AA): Social and Behavioral Sciences Emphasis (p. 275)
- Liberal Arts, Associate in Arts (AA): Bio-Medical Sciences Emphasis (p. 150)

Liberal Arts and Sciences, Associate in 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

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Total Units 18.00

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.

Liberal Arts and Sciences, Associate in 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

Students must complete 18 units from the following courses with a “C” or better in each course and must take at least one course in science and at least one course in mathematics. Pass/No Pass grading is not permitted in a course within a student’s major area of study. Students are strongly advised to meet with a counselor to ensure appropriate course selection for their educational goal.

Science

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MATHEMATICS

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<td>Calculus for Biological Sciences, Social Sciences and Business I</td>
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<td>Precalculus II - College Algebra And Trigonometry</td>
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<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
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**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Liberal Arts and Sciences, Associate in 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

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<td>History Of Latin America: 1800'S To Modern Period</td>
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<td>California Tribes: The Chumash</td>
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<td>American Government: Policy Issues/Process</td>
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<td>SOC 110</td>
<td>Culture and Society Through Cartoons</td>
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<td>SOC 113</td>
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<td>SPAN 136</td>
<td>Contemporary Cultures Of Central America</td>
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<td>SPAN 139</td>
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</table>

Total Units: 18.00

1. With a “C” or better in each course
2. Students are strongly advised to meet with a counselor to ensure appropriate course selection for their educational goal.

Pass/No Pass grading is not permitted in a course within a student’s major area of study. Students are strongly advised to meet with a counselor to ensure appropriate course selection for their educational goal.

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**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.
## LIBERAL STUDIES

### Programs of Study

**Credit Programs**

- Liberal Studies, Associate in Arts (AA): Education Emphasis (p. 280)
- Elementary Teacher Education, Associate in Arts for Transfer (AA-T) (p. 278)

### Elementary Teacher Education, Associate in Arts for Transfer (AA-T)

The college also offers an AA-T Degree in Elementary Teacher Education for Transfer. This degree also provides the foundational knowledge to students who want to earn a Baccalaureate Degree in Liberal Studies and a Multiple Subject Teaching Credential to prepare them for elementary school teaching (K-6). This degree is in compliance 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) 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. 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. For more information on transfer degrees, visit [www.sb1440.org](http://www.sb1440.org).

### Requirements

The field of teacher education 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 Liberal Studies 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 Degree in Elementary Teacher Education for Transfer will provide the foundational knowledge to students who want to earn a Baccalaureate Degree in Liberal Studies and a Multiple Subject Teaching Credential to prepare them for elementary school teaching (K-6).

### Degree Requirements

Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

#### General Education

Complete one of the following patterns:

- Interssegmental General Education Transfer Curriculum “IGETC” for CSU (38 semester units)
- California State University General Education Breadth pattern (40 semester units)

### Major

Complete 51-59 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

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<td>BIOL 140</td>
<td>Principles Of Biology</td>
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<td>&amp; BIOL 141</td>
<td>and Biology Laboratory</td>
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<td>Fundamentals Of Public Speaking</td>
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<td>Fundamentals Of Public Speaking, Honors</td>
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<td>ECE 120</td>
<td>Child Growth and Development/ Educators</td>
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<td>Introduction To Teaching And Learning In K-12 Education</td>
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<td>ERTH 111H</td>
<td>Dynamic Earth - Physical Geology, Honors</td>
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<td>and Dynamic Earth - Physical Geology Laboratory</td>
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<tr>
<td>ERTH 112</td>
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<td>GEG 104</td>
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<td>HIST 107</td>
<td>World Civilization, Beginnings To 1550</td>
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<td>MATH 108</td>
<td>Mathematical Concepts for Elementary School Teachers-Number Systems</td>
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<td>and Conceptual Physics</td>
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<td>Introductory Physics For Science Majors</td>
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**List A**

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<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy</td>
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<td>MUS 110</td>
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<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
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<td>ANTH 113</td>
<td>Witchcraft, Magic, Science And Religion</td>
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<td>History Of Art, Renaissance To Modern, Honors</td>
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<td>History Of The U.S. Since 1865</td>
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<td>History Of The U.S. Since 1865, Honors</td>
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<td>JAPN 102</td>
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<td>MUS 148</td>
<td>Intermediate Guitar</td>
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</table>
department and college requirements. These include:

- The Associate Degree will be awarded upon completion of both AA-T in Elementary Teacher Education

Additional Graduation Requirements for AA-T in Elementary Teacher Education

- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

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.

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 transfer. 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 Liberal Studies, Associate in Arts (AA): Education Emphasis program of the four-year institution to which they are planning to transfer.
## Requirements

The Associate Degree will be awarded upon completion of Department and Associate Degree Graduation Requirements.

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<th>Code</th>
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<td><strong>Department Requirements</strong></td>
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<td><strong>Core Requirements:</strong></td>
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<tr>
<td>ED 101</td>
<td>Introduction To Teaching And Learning In K-12 Education</td>
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<td><strong>Oral Communication:</strong></td>
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<td>Select one course from the following:</td>
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<td>Interpersonal Communication</td>
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<td>Interpersonal Communication, Honors</td>
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<td>COMM 131</td>
<td>Fundamentals Of Public Speaking</td>
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<td>COMM 131H</td>
<td>Fundamentals Of Public Speaking, Honors</td>
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<td>COMM 141</td>
<td>Small Group Communication</td>
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<td>COMM 161</td>
<td>Communication in Organizations</td>
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<td>COMM 235</td>
<td>Argumentation And Debate</td>
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<td><strong>English Composition:</strong></td>
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<tr>
<td>ENG 110</td>
<td>Composition and Reading</td>
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<td>or ENG 110H</td>
<td>Composition And Reading, Honors</td>
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<td><strong>Critical Thinking:</strong></td>
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<td>Select one course from the following:</td>
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<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
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<td>Critical Thinking and Composition Through Literature, Honors</td>
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<td>Critical Thinking And Writing In Philosophy</td>
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<td>PHIL 205</td>
<td>Introduction To Logic</td>
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<td>COMM 235</td>
<td>Argumentation And Debate</td>
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<td>Select two courses from Section 1</td>
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<td>Select two courses from Section 2</td>
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<td>Select two courses from Section 3</td>
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<td>Total Units</td>
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1 COMMIT 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

### Section 1. Biological and Physical Sciences

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<td>BIOL 140</td>
<td>Principles Of Biology</td>
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<td>BMS 107</td>
<td>Human Anatomy</td>
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<td>BMS 108</td>
<td>Human Physiology</td>
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<td>Introductory Astronomy</td>
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<td>Introductory Astronomy, Honors</td>
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<td>Introductory Astronomy and Observational Astronomy Laboratory</td>
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<td>Introductory Astronomy, Honors and Observational Astronomy Laboratory</td>
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<td>ERTH 111</td>
<td>Dynamic Earth - Physical Geology</td>
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<td>Dynamic Earth - Physical Geology, Honors</td>
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<td>Dynamic Earth - Physical Geology Laboratory</td>
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<td>Child Growth and Development/ Educators</td>
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<td>Economic Geography</td>
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<td>History Of The U.S. To 1877</td>
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<tr>
<td>or HIST 102</td>
<td>History Of The U.S. Since 1865</td>
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<tr>
<td>or HIST 102H</td>
<td>History Of The U.S. Since 1865, Honors</td>
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<td>World Civilization, Beginnings To 1550</td>
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<td>or HIST 108</td>
<td>World Civilization, 1550 To Present</td>
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Section 3: Arts and Humanities

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<td>History Of Art, Prehistoric To Gothic</td>
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<td>Introduction To Mexican Literature</td>
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<td>History Of Chicano Art</td>
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<td>Children's Literature</td>
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<td>ENG 221</td>
<td>Survey Of British Literature</td>
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<td>ENG 222</td>
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<td>ENG 226</td>
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<td>ENG 231</td>
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<td>Music Appreciation</td>
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<td>Survey and Appreciation of Dance History</td>
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Recommended Courses

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<td>Internship In Education</td>
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<td>HE 101</td>
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<td>Mathematical Concepts for Elementary School Teachers-Number Systems</td>
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</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

1 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.
LIBRARY

Programs of Study
Noncredit Programs
  • Research Specialist, Certificate of Completion (p. 283)

Research Specialist, Certificate of Completion

Requirements
Department Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIBR NC001</td>
<td>Online Research Skills</td>
<td>0</td>
</tr>
<tr>
<td>LIBR NC002</td>
<td>Presenting Research with</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>Infographics</td>
<td></td>
</tr>
</tbody>
</table>

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
MARINE DIVING TECHNOLOGIES

Program Description

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 serves the needs of entry-level students, as well as employees currently in the workforce. Students attend full-time or may take non-diving marine-related classes part time on a space available basis. 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 AS 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—Minimum Standard ANSI/ACDE-01-2009" 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 emphasis 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, medicine, transportation, recreation, national defense and the extension of man’s ability to work on and under the sea.

For more information on the department, visit http://www.sbcc.edu/marinediving/

Facility

The MDT Program offers a most unique training environment. The college’s state-of-the-art diving and welding facility provides students with a safe and comfortable training environment. SBCC is ideally situated on California’s south-central coast, which facilitates open sea training in the Pacific Ocean.

Career Opportunities

Career opportunities and announcements are channeled directly through the Marine Diving Technologies Department, via an extensive contact system. Many employers solicit graduates during campus visits. The faculty are available directly for career counseling, and advice may also be obtained from the campus Career Center for job preparation and planning purposes.

Honors and Awards

The department is fortunate to be able to award several scholarships each year. The Ramsey Parks Memorial Scholarship was established to recognize an outstanding student majoring in Marine Diving Technologies. It is named in memory of Ramsey Parks, founder and Director of the MDT Program, 1968-1980. The Tom Devine Memorial Scholarship, sponsored by the Association of Diving Contractors (ADC), and the Nejat Ezal Memorial Scholarship are available for students who qualify. The Dr. Hugh Greer Memorial Scholarship Foundation was established in 2002 in memory of SBCC's long-time medical review officer. Financial aid is also available through the Financial Aid Office at (805) 965-0581, ext. 2716.

Alumni Association

The Marine Diving Technologies Alumni Association was established by the department in 1995 to provide a communication and human resource link between graduates and the MDT Program. The Association was established to disseminate information about graduates, jobs, equipment and training issues related to diving technology. All students and graduates are eligible to join.

Admission Requirements for Marine Diving Technician

Acceptance by the college does not guarantee acceptance into programs. Non-diving marine technology classes are open to all SBCC students on a space available basis. All of the following must be complied with for diving students:

2. Completion of required forms for admission to Santa Barbara City College—contact the Admissions Office.
3. Completion of special application forms from Marine Diving Technologies for the programs.
4. Complete an annual department diving physical exam approved by a physician.
5. Certificate of Achievement from a basic Scuba course from a nationally recognized agency.
6. Provide full Scuba equipment for ocean diving.
7. Attend an MDT orientation session on campus.
8. Completion of required waiver and release form.
9. Successful performance of the swimming tests in the presence of the college diving officer.

Marine Science Certificate

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” section of this Catalog.

Advising
In addition to the college counseling staff, the Marine Diving Technologies Department Chairperson and staff are available to advise persons interested in this field. Information may be obtained by visiting or calling the department.

Program Cost and Outcome
For planning purposes, the following webpage provides information on the cost of attendance, program length (assuming a student attends full time), financing options and historical student completion rates: www.sbcc.edu/financialaid/gainfulemployment/Marine%20Diving%20Technician.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Marine%20Diving%20Technician.htm)

Programs of Study
Credit Programs
- Marine Diving Technician, Associate in Science (AS) (p. 285)
- Marine Diving Technician, Certificate of Achievement (C) (p. 286)
- Marine Science, Department Award (D) (p. 152)
- Commercial Diving, Skills Competency Award (SCA) (p. 285)

The Department also offers:
- Commercial Diver Training, ANSI Certification
- Commercial Diving, ADC Certification

Commercial Diving, Skills Competency Award (SCA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDT 107</td>
<td>Hyperbaric Chamber Operations</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 108</td>
<td>Rigging</td>
<td>1</td>
</tr>
<tr>
<td>MDT 109</td>
<td>Seamanship and Small Boat Handling</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 111</td>
<td>First Aid For The Diving Professional</td>
<td>1.3</td>
</tr>
<tr>
<td>MDT 112</td>
<td>Introduction To Marine Welding</td>
<td>1.1</td>
</tr>
<tr>
<td>MDT 140</td>
<td>Principles Of Surface-Supplied Diving</td>
<td>1</td>
</tr>
<tr>
<td>MDT 141</td>
<td>Commercial Diving Equipment</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 142</td>
<td>Surface-Supplied Ocean Diving</td>
<td>1.8</td>
</tr>
<tr>
<td>MDT 143</td>
<td>Mixed Gas Diving</td>
<td>1.1</td>
</tr>
<tr>
<td>MDT 145</td>
<td>Principles Of Underwater Cutting And Welding</td>
<td>1</td>
</tr>
<tr>
<td>MDT 146</td>
<td>Advanced Underwater Cutting And Welding</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 152</td>
<td>Underwater Tools And Inspection</td>
<td>1.7</td>
</tr>
</tbody>
</table>

Total Units: 16.00

Students must complete the above courses with the grade of “C” or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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 in Science (AS)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
</table>

Department Requirements
Select one course from the following: 3-4
- BIOL 124 Biological Oceanography
- BIOL 142 Marine Science
- ERTH 151 Introductory Physical Oceanography
- BIOL 125 Marine Biology 4

Select one course from the following: 3-5
- DRFT 101 Basic Drafting
- ENGR 105 Engineering Graphics (or DRFT 105)
- DRFT 130 Computer-Assisted Drafting And Design I (or ENGR 130)
- 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 1.3
- 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  0.74
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  3

Total Units  44.44-47.44

Recommended Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS 101</td>
<td>Computer Concepts</td>
<td>4</td>
</tr>
<tr>
<td>MDT 290</td>
<td>Work Experience In Marine Diving Technology</td>
<td>2-4</td>
</tr>
<tr>
<td>MDT 299</td>
<td></td>
<td>1-4</td>
</tr>
<tr>
<td>PE 134A</td>
<td>Swimming For Conditioning: Beginning</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

Marine Diving Technician, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDT 101</td>
<td>Information and Introduction to Marine Diving Technology</td>
<td>0.3</td>
</tr>
<tr>
<td>MDT 104</td>
<td>Fundamentals and Practices of Diving</td>
<td>2</td>
</tr>
<tr>
<td>MDT 105</td>
<td>Advanced Scuba Techniques</td>
<td>1.7</td>
</tr>
<tr>
<td>MDT 106</td>
<td>Open Water Navigation And Rescue</td>
<td>0.7</td>
</tr>
<tr>
<td>MDT 107</td>
<td>Hyperbaric Chamber Operations</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 108</td>
<td>Rigging</td>
<td>1</td>
</tr>
<tr>
<td>MDT 110</td>
<td>Seamanthip and Small Boat Handling</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 111</td>
<td>First Aid For The Diving Professional</td>
<td>1.3</td>
</tr>
<tr>
<td>MDT 112</td>
<td>Introduction To Marine Welding</td>
<td>1.1</td>
</tr>
<tr>
<td>MDT 140</td>
<td>Principles Of Surface-Supplied Diving</td>
<td>1</td>
</tr>
<tr>
<td>MDT 141</td>
<td>Commercial Diving Equipment</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 142</td>
<td>Surface-Supplied Ocean Diving</td>
<td>1.8</td>
</tr>
<tr>
<td>MDT 143</td>
<td>Mixed Gas Diving</td>
<td>1.1</td>
</tr>
<tr>
<td>MDT 145</td>
<td>Principles Of Underwater Cutting And Welding</td>
<td>1</td>
</tr>
<tr>
<td>MDT 146</td>
<td>Advanced Underwater Cutting And Welding</td>
<td>1.5</td>
</tr>
<tr>
<td>MDT 147</td>
<td>Ocean Structures</td>
<td>0.5</td>
</tr>
<tr>
<td>MDT 148</td>
<td>Hydraulics I</td>
<td>0.74</td>
</tr>
<tr>
<td>MDT 152</td>
<td>Underwater Tools And Inspection</td>
<td>1.7</td>
</tr>
<tr>
<td>MDT 154</td>
<td>Bell And Saturation Diving Procedures</td>
<td>1.7</td>
</tr>
<tr>
<td>MDT 179</td>
<td>Nitrox Diving</td>
<td>0.8</td>
</tr>
<tr>
<td>MDT 190</td>
<td>Assessment And Development Of Diving Competence</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Units  25.44

Recommended Electives

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 124</td>
<td>Biological Oceanography</td>
<td>3-4</td>
</tr>
<tr>
<td>BIOL 142</td>
<td>Marine Science</td>
<td></td>
</tr>
<tr>
<td>ERTH 151</td>
<td>Introductory Physical Oceanography</td>
<td></td>
</tr>
<tr>
<td>BIOL 125</td>
<td>Marine Biology</td>
<td>4</td>
</tr>
<tr>
<td>CS 101</td>
<td>Computer Concepts</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>DRFT 101</td>
<td>Basic Drafting</td>
<td>3-5</td>
</tr>
<tr>
<td>DRFT 105 / ENGR 105</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRFT 130</td>
<td>Computer-Assisted Drafting And Design I</td>
<td></td>
</tr>
<tr>
<td>EMT 110</td>
<td>Emergency Medical Technician-Basic</td>
<td>6</td>
</tr>
<tr>
<td>MDT 290</td>
<td>Work Experience In Marine Diving Technology</td>
<td>2-4</td>
</tr>
</tbody>
</table>
Students must complete all department requirements for the certificate with a cumulative 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.
MATHEMATICS

Program Description

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.

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 four-year colleges or universities. 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 department also serves students who need to improve their basic skills in mathematics, as well as students who are returning to formal education after a period away from school. The department provides a complete precalculus program, including elementary algebra, intermediate algebra, college algebra and trigonometry to review old or gain new mathematical skills. Basic math and pre-algebra courses provide an opportunity for students to refresh their arithmetic skills in order to participate in their educational endeavors.

In all of the department’s course offerings, there is a strong commitment to training the student in analytical and logical thinking skills as part of a problem-solving attitude which can be transferred outside the formal educational setting.

The Mathematics Department offers an AS-T Degree in Mathematics for Transfer. This degree provides the foundational knowledge in Mathematics to students who want to earn a Baccalaureate Degree in Mathematics. This degree is in compliance 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) 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. 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. For more information on the correct path for his/her educational goals.

For more information on the department, visit http://www.sbcc.edu/mathematics/

Planning a Program of Study

The required first-year calculus and Computer Science 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 take one of SBCC’s assessment exams. For assessment exam information and hours, call the Assessment Center at (805) 965-0581, ext. 2349 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. 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

Credit Programs
- Mathematics, Associate in Arts (AA) (p. 288)
- Mathematics, Associate in Science for Transfer (AS-T) (p. 289)

Mathematics, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
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</tr>
<tr>
<td></td>
<td>Select one course from the following:</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>CIS 209</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Visual Basic .Net Programming</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CS 105</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Theory and Practice I</td>
<td></td>
</tr>
</tbody>
</table>
CS 107  Computer Architecture and Organization
CS 137  C Programming
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  4
MATH 210  Linear Algebra  4
MATH 220  Differential Equations  4
PHYS 121  Mechanics Of Solids And Fluids  5
PHYS 122  Electricity and Magnetism  5
PHYS 210  Heat, Light and Modern Physics  5

Total Units 35.00-36.00

1  MATH 250/MATH 260 will also satisfy these requirements.

For a Math AA Degree, at least one of the courses MATH 200 Multivariable Calculus, MATH 210 Linear Algebra, MATH 220 Differential Equations must be taken at SBCC.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

The following sample program is designed for Mathematics majors contemplating transfer to the University of California or California State University systems, or comparable institutions.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
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<td></td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>ENG 110 or ENG 110H</td>
<td>Composition and Reading or Composition And Reading, Honors</td>
<td>3</td>
</tr>
<tr>
<td>Select one course from the following:</td>
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<td>3</td>
</tr>
<tr>
<td>CS 120</td>
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<td>16</td>
</tr>
<tr>
<td>CS 107</td>
<td>Computer Architecture and Organization</td>
<td></td>
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<tr>
<td>CS 137</td>
<td>C Programming</td>
<td></td>
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<tr>
<td>CS 140</td>
<td>Object-Oriented Programming Using C++</td>
<td></td>
</tr>
<tr>
<td>CIS 209</td>
<td>Visual Basic .Net Programming</td>
<td></td>
</tr>
</tbody>
</table>

| **Spring Semester**                                     |                                               |       |
| MATH 160   | Calculus With Analytic Geometry II                     | 5     |
| CHEM 156   | General Chemistry II                                   | 5     |
| ENG 111 or ENG 111H | Critical Thinking And Composition or Critical Thinking and Composition Through Literature, Honors | 3     |
| PHYS 121   | Mechanics Of Solids And Fluids                         | 5     |
| PHYS 122   | Electricity and Magnetism                              | 5     |
| PHYS 210   | Heat, Light and Modern Physics                         | 5     |

Total Units 51

1 American Institutions Requirements: CHEM 155 General Chemistry I- CHEM 156 General Chemistry II is not required for the Associate Degree. Another elective course can be selected in its place.

Mathematics, Associate in Science for Transfer (AS-T) Requirements

The field of mathematics 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 Mathematics 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 Science Degree in Mathematics for Transfer will provide the foundational knowledge to students who want to earn a Baccalaureate Degree in Mathematics at any of the CSU campuses.

Degree Requirements
Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

General Education
Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major
Complete 21-23 units as outlined below with a "C" or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus</td>
<td>4</td>
</tr>
</tbody>
</table>

List A
Choose at least one of the following:  
MATH 210 Linear Algebra | 4
or MATH 220 Differential Equations  

List B
Select one course from the following: 3-5
Any course not taken in List A or:
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 Elementary Statistics | 1
or MATH 117H Elementary Statistics, Honors
or PSY 150 Statistics for the Behavioral Sciences
PHYS 121 Mechanics Of Solids And Fluids | 1

1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU GE Breadth requirements.

CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org).

Additional Graduation Requirements for AS-T in Mathematics:
- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
MEDICAL IMAGING SCIENCES

Program Description
Radiology Program is a continuous 24-month program which begins each year in the Summer semester. The program is designed to prepare a radiographer to perform diagnostic procedures in a Medical Imaging Sciences department, as well as other health settings. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), (312) 704-5300, and the California Department of Public Health, (916) 323-2786. JRCERT accreditation qualifies all graduates of the Radiology Program to take the American Registry of Radiologic Technology (ARRT), Diagnostic Radiography Certification Examination (provided they have not been convicted of a felony), and the California Department of Public Health fluoroscopy examination. Anyone convicted of a misdemeanor or felony may not qualify to take the ARRT certification exam. It is highly recommended that if you have a conviction on your record that you directly contact the ARRT for eligibility (651) 687-0048 ext. 8580.

Courses are arranged in a meaningful sequence and must be taken in the order planned. Progression toward and completion of the Associate Degree requires the attainment of a minimum grade of “C” in all program and adjunct courses. (See “Department Requirements” to follow.) Campus classes provide theory and laboratory practice, which are correlated with clinical experience in the medical imaging sciences departments of affiliated institutions. A prescribed, regulation uniform is worn during clinical assignments. Students must provide their own transportation to all facilities and must be willing to travel 100 miles each way to the various clinical sites. Students are required to complete four clinical site rotations at any of the 15 affiliate sites they are assigned to. Clinical site locations extend from Santa Paula to San Luis Obispo. There is no guarantee that the clinic site will be in their city of residence. Any student that misses 10% or more of the clinical portion of the program, in a given semester, is subject to dismissal pending faculty review.

All students are required to pass a physical exam, background check, and drug screening. If at any time before or after acceptance into the program, the student’s conduct or physical or emotional health is such that there is potential threat to the well-being of patients, the applicant will be denied admission to, or be withdrawn from, the major. In addition to the policies and standards of Santa Barbara City College, Health Technologies programs have policies and requirements based on the professional standards and guidelines of their individual regulating state and national accrediting boards. These policies, including our pregnancy policy are available online at www.sbcc.edu/radiology (http://www.sbcc.edu/radiology).

For more information on the department, visit http://www.sbcc.edu/medicalimaging/

Mission Statement
The mission of the Associate in Science Degree program is to educate students to become competent radiographers who can serve the needs of a diverse patient population in an ethical and compassionate manner. Our basics goals are to

1. Graduate students that are clinically and technically prepared to enter the current job market.
2. Graduate students that are professional and ethical.
3. Graduate students that communicate effectively in the work care setting.
4. Graduate students that demonstrate clinical thinking and problem-solving skills in the performance of their duties.

Admission Requirements
2. Eligibility for ENG 110 Composition and Reading or ENG 110H Composition And Reading, Honors — Composition and Reading.
3. Eligibility for MATH 104 or MATH 107 Intermediate Algebra or MATH 111 — Intermediate Algebra.
4. Complete BMS 107 Human Anatomy, (4 units), and BMS 108 Human Physiology, (4 units), or equivalent, with a grade of “C” or better.

Before entering the program, applicant will be required to:
1. Complete RT 100 Radiography and Health Care;
2. Attend a program Orientation meeting;
3. Complete a physical examination, including immunizations and/or titers (must be on the SBCC physical exam form which will be provided);
4. Obtain a CPR card—must be kept current throughout the program;
5. Pay required badge and materials fees;
6. Pass a criminal background check and drug screening examination;
7. Students will need a valid, government-issued Social Security card prior to testing for the ARRT and CRT board exams after the completion of the program.

Failure to comply with any of the above requirements will make the student ineligible for admission to the program.

Refresher Students
Refresher students are those who are certified as radiographers in California and who want to participate in one or more SBCC Radiographic Imaging courses. In most cases, this will be done because of a time lapse since being actively exposed to the practice of radiography. To participate in the program, call ext. 2366 for information.

Sonography
Program Description
The Diagnostic Medical Sonography Program (DMS) is a continuous 21-month program which begins every-other Fall semester. The program is accredited by the Commissions on Accreditation of Allied Health Education Programs (CAAHEP) as a general concentration program. With the general concentration, students will be able to perform sonographic examinations of the abdomen, superficial structures, non-cardiac chest, and the gravid and nongravid pelvis. CAAHEP accreditation qualifies all graduates of the DMS program to take the American Registry for Diagnostic Medical Sonography (ARDMS) Sonographic Principles and Instrumentation Examination, Abdomen examination, and Obstetrics and Gynecology Examination. Anyone convicted of a misdemeanor or felony may not qualify to take the ARDMS certification exam. It is highly recommended that if you have a conviction on your record that you directly contact the ARDMS for eligibility, (800) 541-9754, ext. 1.

Courses are arranged in a meaningful sequence and must be taken in the order planned. Progression toward and completion of the Certificate
requires the attainment of a minimum grade of "C" in all program and adjunct courses. (See Entrance Requirements and Required Core Courses to follow.) Campus classes provide theory and laboratory practice, which are correlated with clinical experience in the medical imaging departments of affiliated institutions. A prescribed, regulation uniform is worn during clinical assignments. Students must provide their own transportation to all facilities and must be willing to travel 100 miles each way to the various clinical sites. Students are required to complete two clinical rotations at any of the 15 affiliate sites they are assigned to. Clinical site locations extend from Templeton to Mission Hills. There is no guarantee that the clinic site will be in their city of residence. Any student that misses 10% or more of the clinical portion of the program, in a given semester, is subject to dismissal pending faculty review.

All students are required to pass a physical exam, background check, and drug screening. If at any time before or after acceptance into the program, the student’s conduct or physical or emotional health is such that there is potential threat to the well-being of patients, the applicant will be denied admission to, or be withdrawn from, the major. In addition to the policies and standards of Santa Barbara City College, Health Technologies programs have policies and requirements based on the professional standards and guidelines of their individual regulating state and national accrediting boards. These policies, including our pregnancy policy are available online at www.sbcc.edu/sonography.

Entrance Requirements
Before entering the DMS Program, students who have formally accepted are required to:

1. Attend a DMS orientation meeting the semester prior to entry; (time and date will be announced)
2. Complete the SBCC physical examination on SBCC form including immunizations and/or titer;
3. Submit results of a TB skin test, with annual updating
4. Obtain a CPR card, which must be kept current throughout the program;
5. Pass a criminal background check
6. Pass a drug screening test

Application Procedure
Submit the following to:

SBCC Health Technologies Office:

- Completed DMS application
- A copy of professional license
- Official transcripts

Program Cost and Outcome
For planning purposes, the following webpage provides information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:


Programs of Study
Credit Programs

- Radiography, Associate in Science (AS) (p. 293)

Diagnostic Medical Sonography, Certificate of Achievement (C)

Requirements
Prerequisites

1. Completion of a two-year allied health education program that is patient-care related: Radiographic/Radiologic Technologist (R), Respiratory Therapist (RT), Registered Nurse (RN), Occupational Therapist (OT), Physical Therapist (PT). Program must have been full-time, 24 months that included six months clinical experience. or
2. A Bachelor’s Degree or
3. Medical Doctor (MD) or Doctor of Osteopathy (DO) degrees from outside of the U.S., equivalent to those of the U.S. and Canada

In addition to one of the above, the following prerequisites must be completed before applying to the program with a passing grade of "C" or better.

- Anatomy (e.g., BMS 107 Human Anatomy)
- Physiology (e.g., BMS 108 Human Physiology)
- Algebra, statistics, or higher mathematics course (e.g., MATH 117 Elementary Statistics, PSY 150 Statistics for the Behavioral Sciences, MATH 120 College Algebra or higher)
- General Physics (e.g., PHYS 101 Conceptual Physics, PHYS 102 Introductory Physics For Science Majors, or higher Physics or RT 119 Radiological Technology if completed a radiology program)
- Communication (e.g., ENG 110 Composition and Reading or ENG 110H Composition And Reading, Honors, or COMM 131 Fundamentals Of Public Speaking or COMM 131H Fundamentals Of Public Speaking, Honors)

The following must be completed with a passing grade of "C" or better prior to the commencement of DMS 148 Clinical Experience 1A

- Medical Terminology (e.g., HIT 135 Basic Medical Terminology)
- Patient Care (e.g., RT 120 Patient Care In Radiography) offered fall semester at SBCC.
- Cross Sectional Anatomy (e.g., RT 250 Principles And Applications Of Cross-Sectional Anatomy In Imaging) offered fall semester at SBCC

*Note: RT 120 Patient Care In Radiography and RT 250 Principles And Applications Of Cross-Sectional Anatomy In Imaging can be taken the fall semester prior to starting the program*

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT 250</td>
<td>Principles And Applications Of Cross-Sectional Anatomy In Imaging</td>
<td>2</td>
</tr>
<tr>
<td>DMS 150</td>
<td>Physics And Instrumentation</td>
<td>3</td>
</tr>
<tr>
<td>DMS 155</td>
<td>Abdominal And Small Parts Scanning</td>
<td>3</td>
</tr>
<tr>
<td>DMS 156</td>
<td>Ob/Gyn Scanning</td>
<td>2.7</td>
</tr>
<tr>
<td>DMS 160</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>DMS 165</td>
<td>Abdominal And Small Parts Scanning And Pathology</td>
<td>3</td>
</tr>
<tr>
<td>DMS 170</td>
<td>Introduction To Vascular Ultrasound</td>
<td>4</td>
</tr>
<tr>
<td>DMS 182</td>
<td>Clinical Experience 1</td>
<td>8.5</td>
</tr>
</tbody>
</table>
Recommended Sequence

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

Length of Program

This is a 21-month Certificate program in which courses are arranged in a meaningful sequence and must be taken in the order planned. The program begins every other year with the start of the college’s Fall Semester.

Course  | Title                                      | Units
---      |--------------------------------------------|------
First Year  
Fall Semester  
RT 120  | Patient Care In Radiography               | 3    
RT 250  | Principles And Applications Of Cross-Sectional Anatomy In Imaging | 2    
DMS 150 | Physics And Instrumentation                | 3    
DMS 155 | Abdominal And Small Parts Scanning        | 3    
Units  |                                            | 11   
Spring Semester  
DMS 156 | Ob/Gyn Scanning                            | 2.7  
DMS 160 | Pathophysiology                            | 3    
DMS 165 | Abdominal And Small Parts Scanning And Pathology | 3    
Units  |                                            | 8.70 
Summer Semester  
DMS 148 | Clinical Experience 1A                    | 4.4  
DMS 149 | Clinical Experience 1B                    | 4.4  
Units  |                                            | 8.80 
Second Year  
Fall Semester  
DMS 166 | Ob/Gyn Scanning And Pathology              | 2    
DMS 170 | Introduction To Vascular Ultrasound        | 4    
DMS 183 | Clinical Experience 2                      | 9.5  
Winter Intersession  
DMS 184 | Clinical Experience 3                      | 2.4  
Units  |                                            | 17.90
Spring Semester  
DMS 250 | Sonography Interpretation                  | 3    
DMS 185 | Clinical Experience 4                      | 8.5  
Units  |                                            | 11.50
Total Units  |                                            | 57.90

Radiography, Associate in Science (AS)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AH 120</td>
<td>Medical Terminology ¹</td>
<td>1</td>
</tr>
<tr>
<td>RT 101</td>
<td>Introduction To Radiography</td>
<td>2.33</td>
</tr>
<tr>
<td>RT 102</td>
<td>Fundamentals Of Radiographic Positioning And Procedures I</td>
<td>4</td>
</tr>
<tr>
<td>RT 103</td>
<td>Fundamentals Of Radiographic Positioning And Procedures II</td>
<td>4</td>
</tr>
<tr>
<td>RT 109</td>
<td>Principles Of Radiographic Exposure</td>
<td>3</td>
</tr>
<tr>
<td>RT 111</td>
<td>Advanced Principles Of Exposure</td>
<td>3</td>
</tr>
<tr>
<td>RT 119</td>
<td>Radiological Technology</td>
<td>3</td>
</tr>
<tr>
<td>RT 120</td>
<td>Patient Care In Radiography</td>
<td>3</td>
</tr>
<tr>
<td>RT 191</td>
<td>Radiographic Technology Clinical Practicum I</td>
<td>5.8</td>
</tr>
<tr>
<td>RT 191A</td>
<td>Radiographic Technology Clinical Practicum 1A</td>
<td>2.1</td>
</tr>
<tr>
<td>RT 192</td>
<td>Radiographic Technology Clinical Practicum 2</td>
<td>5</td>
</tr>
<tr>
<td>RT 202</td>
<td>Advanced Radiographic Procedures</td>
<td>3</td>
</tr>
<tr>
<td>RT 203</td>
<td>Radiology Certification Preparation</td>
<td>4</td>
</tr>
<tr>
<td>RT 220</td>
<td>Radiation Biology Protection</td>
<td>3</td>
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<tr>
<td>RT 230</td>
<td>Radiographic Pathology</td>
<td>3</td>
</tr>
<tr>
<td>RT 250</td>
<td>Principles And Applications Of Cross-Sectional Anatomy In Imaging</td>
<td>2</td>
</tr>
<tr>
<td>RT 293</td>
<td>Radiographic Technology Clinical Practicum 3</td>
<td>6.7</td>
</tr>
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<td>RT 294</td>
<td>Radiographic Technology Clinical Practicum 4</td>
<td>7.1</td>
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<tr>
<td>RT 295</td>
<td>Radiographic Technology Clinical Practicum 5</td>
<td>8.6</td>
</tr>
</tbody>
</table>

Total Units  | 73.63

¹ HIT 135 Basic Medical Terminology has been approved by the Radiography Department as a possible substitute for AH 120 Medical Terminology.

Complete each course with a minimum grade of “C” or better.

Recommended Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT 251</td>
<td>Principles Of Mammography And Procedures</td>
<td>2</td>
</tr>
<tr>
<td>RT 290</td>
<td>Work Experience in Radiography</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

## 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

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Year</strong></td>
<td></td>
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<tr>
<td><strong>Summer Semester</strong></td>
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<tr>
<td>RT 101</td>
<td>Introduction To Radiography</td>
<td>2.33</td>
</tr>
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<td><strong>Units</strong></td>
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<td><strong>Fall Semester</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RT 102</td>
<td>Fundamentals Of Radiographic Positioning And Procedures I</td>
<td>4</td>
</tr>
<tr>
<td>RT 109</td>
<td>Principles Of Radiographic Exposure</td>
<td>3</td>
</tr>
<tr>
<td>RT 120</td>
<td>Patient Care In Radiography</td>
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<td>AH 120</td>
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<tr>
<td>RT 191</td>
<td>Radiographic Technology Clinical Practicum I</td>
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<tr>
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<td>1</td>
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<tr>
<td><strong>Winter Intersession</strong></td>
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<td>Advanced Principles Of Exposure</td>
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<td>RT 119</td>
<td>Radiological Technology</td>
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<tr>
<td>RT 192</td>
<td>Radiographic Technology Clinical Practicum 2</td>
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<table>
<thead>
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<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td><strong>Second Year</strong></td>
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<td></td>
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<tr>
<td><strong>Summer Semester</strong></td>
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</tr>
<tr>
<td>RT 293</td>
<td>Radiographic Technology Clinical Practicum 3</td>
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<tr>
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<tr>
<td>RT 220</td>
<td>Radiation Biology Protection</td>
<td>3</td>
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<tr>
<td>RT 230</td>
<td>Radiographic Pathology</td>
<td>3</td>
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<td>RT 250</td>
<td>Principles And Applications Of Cross-Sectional Anatomy In Imaging</td>
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<td>Principles Of Mammography And Procedures</td>
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<td>RT 294</td>
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<td><strong>Spring Semester</strong></td>
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<td>RT 202</td>
<td>Advanced Radiographic Procedures</td>
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</table>

**Total Units**

80.63

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1 For a complete listing of General Education requirements, pick up a requirement sheet in the Counseling Center or see “Graduation Requirements” in this Catalog.
MULTIMEDIA ARTS AND TECHNOLOGIES

Program Description
Multimedia is a field of study and an industry emerging from the synthesis of the different mediums of communication. With the digitalization of all traditional media and the establishment of the web as the main vehicle of media transmission, multimedia has become "the content of the web". The web experience mainly differs from previous mediums in its interactive and integrated way of articulating a time-based experience.

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 department's programs prepare 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 web transmission.

Currently, the department offers two fields of study: web-based media in our Media Arts Associate in Arts Degree and Certificate of Completion; animation and gaming through the Associate in Arts and Certificate of Completion with this name.

The animation and gaming program builds a foundation in 3D animation production and game development for entertainment, serious games and simulations. It consists of 27 mandatory units (3 semesters) and a number of recommended courses to further concentrate on skills in graphic art, modeling and 3D animation, 2D animation or interactive web programming. The Media Arts program, with only 18 units is designed to provide a foundation in web-based media and interactivity. Other classes in specialized mediums can be taken to create an individual media profile that will specialize the individual for better employment opportunities.

For more information on the department, visit http://www.sbcc.edu/multimedia/

Program Cost and Outcome
For planning purposes, the following webpages provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Animation
www.sbcc.edu/financialaid/gainfulemployment/Animation.htm

Media Arts
www.sbcc.edu/financialaid/gainfulemployment/Media%20Arts.htm

Programs of Study
Credit Programs
- Animation and Gaming, Associate in Arts (AA) (p. 295)
- Media Arts, Associate in Arts (AA) (p. 297)
- Animation and Gaming, Certificate of Achievement (C) (p. 296)
- Media Arts, Certificate of Achievement (C) (p. 298)
- Game Design, Department Award (D) (p. 297)
- Media Design and Development, Skills Competency Award (SCA) (p. 298)
- Mobile Media Core, Skills Competency Award (SCA) (p. 299)
- Web Marketing and Media Design, Skills Competency Award (SCA) (p. 299)

Non Credit Programs
- Digital Design Basics, Certificate of Completion (p. 296)

Animation and Gaming, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>MAT 103</td>
<td>Introduction To Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
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<td>MAT 136</td>
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Spring Semester

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<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MAT 137</td>
<td>Visual Effects for Film, Television and Gaming</td>
<td>3</td>
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<td>MAT 116</td>
<td>Interactive Design I</td>
<td>3</td>
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<tr>
<td>MAT 145</td>
<td>Video Game Design</td>
<td>3</td>
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<tr>
<td>Select one course from the following:</td>
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<td>3</td>
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<tr>
<td>MAT 205</td>
<td>Portfolio Development And Professional Practices</td>
<td></td>
</tr>
<tr>
<td>MAT 216</td>
<td>Flash II, Interactive Story-telling and Simple Games</td>
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<tr>
<td>MAT 168</td>
<td>Serious Game Prototyping</td>
<td></td>
</tr>
<tr>
<td>Units</td>
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Second Year

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<tbody>
<tr>
<td>MAT 141</td>
<td>3-D Modeling</td>
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</tr>
<tr>
<td>MAT 138 or MAT 167</td>
<td>3-D Character Animation or 3-D Environments Design</td>
<td>3</td>
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<tr>
<td>Units</td>
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Recommended Courses

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<tbody>
<tr>
<td>ART 124A</td>
<td>Classical Animation I</td>
<td>3</td>
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<tr>
<td>ART 140</td>
<td>Studio Art Foundations (2-D)</td>
<td>3</td>
</tr>
<tr>
<td>ART 141</td>
<td>3-D Design: Form And Space</td>
<td>3</td>
</tr>
<tr>
<td>CS 111</td>
<td>HTML And Webmastering</td>
<td>3</td>
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<tr>
<td>FP 181</td>
<td>Production Sound for Film and Television</td>
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<tr>
<td>FP 279</td>
<td>Motion Graphics and Compositing</td>
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<td>MAT 112</td>
<td>Digital Drawing</td>
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<tr>
<td>MAT 132</td>
<td>Digital Imaging II</td>
<td>3</td>
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</tbody>
</table>
Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Animation and Gaming, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT 152</td>
<td>Compositing and Visual Effects for Animation</td>
<td>3</td>
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<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 169</td>
<td>Serious Game Production</td>
<td>3</td>
</tr>
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</table>

Recommended Courses

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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>MAT 141</td>
<td>3-D Modeling</td>
<td>3</td>
</tr>
<tr>
<td>MAT 168</td>
<td>Serious Game Prototyping</td>
<td>3</td>
</tr>
<tr>
<td>MAT 205</td>
<td>Portfolio Development And Professional Practices</td>
<td>3</td>
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<tr>
<td>MAT 216</td>
<td>Flash II, Interactive Story-telling and Simple Games</td>
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Total Units: 27

Digital Design Basics, Certificate of Completion

Requirements

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<tr>
<td>GDP NC001</td>
<td>Digital Design Techniques</td>
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<tr>
<td>MAT NC003</td>
<td>Photoshop</td>
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<td>PHOT NC002</td>
<td>Photoshop for Digital Photographers</td>
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<tr>
<td>PHOT NC001</td>
<td>Digital Cameras, Digital Photos</td>
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## Game Design, Department Award (D)

### Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>MAT 116</td>
<td>Interactive Design I</td>
<td>3</td>
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<td>MAT 121</td>
<td>Computer Interface Design</td>
<td>3</td>
</tr>
<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
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<td>MAT 136</td>
<td>Computer Animation I</td>
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<tr>
<td>MAT 145</td>
<td>Video Game Design</td>
<td>3</td>
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</table>

**Total Units**: 15.00

*Students must complete the above courses with a grade of "C" or better or "P."*

### Recommended Courses

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
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<tbody>
<tr>
<td>MAT 103</td>
<td>Introduction To Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>MAT 130</td>
<td>Fundamentals Of Digital Animation</td>
<td>3</td>
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<td>MAT 137</td>
<td>Visual Effects for Film, Television and Gaming</td>
<td>3</td>
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<tr>
<td>MAT 290</td>
<td>Work Experience In Multimedia</td>
<td>1-4</td>
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</table>

### Recommended Sequence

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>First Year</td>
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<td>MAT 131</td>
<td>Digital Imaging I</td>
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<td>MAT 136</td>
<td>Computer Animation I</td>
<td>3</td>
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<tr>
<td>Units</td>
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<td>6</td>
</tr>
<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
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<tr>
<td>MAT 116</td>
<td>Interactive Design I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 121</td>
<td>Computer Interface Design</td>
<td>3</td>
</tr>
<tr>
<td>MAT 145</td>
<td>Video Game Design</td>
<td>3</td>
</tr>
<tr>
<td>Units</td>
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## Media Arts, Associate in Arts (AA)

### Requirements

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<tr>
<td>GDP 110</td>
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</tr>
<tr>
<td>or MAT 112</td>
<td>Digital Drawing</td>
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<tr>
<td>MAT 103</td>
<td>Introduction To Multimedia</td>
<td>3</td>
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<tr>
<td>MAT 116</td>
<td>Interactive Design I</td>
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<tr>
<td>Select one course from the following:</td>
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<td>MAT 116</td>
<td>Interactive Design I</td>
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<td>MAT 121</td>
<td>Computer Interface Design</td>
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</tr>
<tr>
<td>MAT 136</td>
<td>Computer Animation I</td>
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</tbody>
</table>

**Total Units**: 18.00

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### 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

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
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<td></td>
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<tr>
<td>Fall Semester</td>
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<td>GDP 110</td>
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<tr>
<td>or MAT 112</td>
<td>Digital Drawing</td>
<td></td>
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<tr>
<td>MAT 103</td>
<td>Introduction To Multimedia</td>
<td>3</td>
</tr>
<tr>
<td>MAT 116</td>
<td>Interactive Design I</td>
<td>3</td>
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<tr>
<td>Spring Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
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</tr>
<tr>
<td>MAT 116</td>
<td>Interactive Design I</td>
<td>3</td>
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<tr>
<td>MAT 121</td>
<td>Computer Interface Design</td>
<td>3</td>
</tr>
<tr>
<td>MAT 136</td>
<td>Computer Animation I</td>
<td>3</td>
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</table>
MAT 153  Web Design I  3
Select one course from the following:  3
  MAT 154  Web Design II: Integration
  MAT 205  Portfolio Development And Professional Practices
  MAT 216  Flash II, Interactive Story-telling and Simple Games

Total Units  9

Total Units  18

Media Arts, Certificate of Achievement (C)

Requirements

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<th>Units</th>
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<tbody>
<tr>
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<tr>
<td>or MAT 112</td>
<td>Digital Drawing</td>
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<tr>
<td>MAT 103</td>
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<td>Select one course from the following:</td>
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<td>Computer Interface Design</td>
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<tr>
<td>MAT 205</td>
<td>Portfolio Development And Professional Practices</td>
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</tr>
<tr>
<td>MAT 216</td>
<td>Flash II, Interactive Story-telling and Simple Games</td>
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Total Units  18.00

Students must complete all department requirements for the certificate with a cumulative 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.

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.
Mobile Media Core, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
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<tbody>
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<td>MAT/MKT 164</td>
<td>Online and Mobile Marketing</td>
<td>3</td>
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</table>

Total Units: 3.00

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

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.

Web Marketing and Media Design, Skills Competency Award (MAT)

Requirements

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<tbody>
<tr>
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<tr>
<td>MAT 131</td>
<td>Digital Imaging I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 153</td>
<td>Web Design I</td>
<td>3</td>
</tr>
<tr>
<td>MKT/CIS 220</td>
<td>Introduction To Electronic Commerce</td>
<td>3</td>
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</table>

Total Units: 12.00

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

Learning Outcomes
1. Demonstrate the ability to investigate, evaluate, and create new internet marketing media opportunities at both a local and global level.
2. Demonstrate the effective use of the basic steps in the strategic planning process necessary for the development of marketing media based venture.
3. Identify the four (4) P’s to strategically assess a business or products marketing mix in the sphere of internet marketing.
4. Demonstrate knowledge implemented within the internet and media marketing professions.
5. List and explain the value-chain processes in global internet business as a means of achieving superior quality, efficiency, and responsiveness to the customer.
Program Description

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 recreational (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.

For more information on the department, visit http://www.sbcc.edu/music/

Planning a Program of Study

The core courses in Music are not offered each semester. Programs must be started in the Fall Semester, as the beginning theory and musicianship courses are offered only in the fall, with their sequels scheduled in the spring.

Special problems confront the transfer student planning to attend a four-year college or university. Articulation agreements have been arranged with several institutions (UCSB, CSU, Northridge, etc.) Consult Carmen Rivero in the Counseling Center for details on transfer, ext. 2285.

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.

Honors and Awards

The Music Department selects one student each year as the outstanding student for that academic year. Selections are made by the Music faculty and a certificate is awarded. The selection is based on academic and musical achievement and group participation. Application by students is required.

Music Scholarships

The Harold M. Dunn/Mahlon Balderston Scholarship of $750 and the Guido Bart Scholarship of $500 may be awarded each year on the basis of academic excellence and financial need. To qualify for the grant, a student must be a declared Music major, be enrolled in a minimum of 12 units and have a 3.0 or above overall grade point average. All students with exceptional GPAs are encouraged to apply. Applications are available from the Music Department Office, Room DM-104, and Financial Aid. Scholarships for vocal and instrumental performance are also available by application.

Tutorial Opportunities

Each semester, the Music Department is allocated funds to hire tutors. Students who have performed well in a course and who demonstrate an interest in teaching are selected by the instructors to tutor students currently enrolled in Music courses. The purpose is to encourage students to learn the techniques of teaching, as well as to reinforce and enhance their own learning through teaching their peers.

Special Departmental Resources

In addition to the wide range of classes available to them, students also have access to computerized music instruction, the Tapmaster rhythm and sight-reading program, an electronic music and recording laboratory, digital piano laboratory, listening laboratory with laser disc technology, and practice rooms.

Advising

A Music major meeting is held at the beginning of the academic year to inform students of advisory assistance and information available to them through the Music counselor and the Music faculty. The student is encouraged to consider a broad-based major and minor course of study in order to acquaint him/herself with the many career options.

Student Participation

Music majors are encouraged to assist in concert production and perform in student recitals held each semester.

Program Cost and Outcome

For planning purposes, the following webpage provides information on the cost of attendance, program length (assuming a student attends full time), financing options and historical student completion rates:


Programs of Study

Credit Programs

- Music, Associate in Arts (AA) (p. 301)
- Commercial Music, Certificate of Achievement (C) (p. 300)
- Music, Department Award (D) (p. 302)

Commercial Music, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</tr>
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<tbody>
<tr>
<td>MUS 102A</td>
<td>Basic Musicianship</td>
<td>3</td>
</tr>
<tr>
<td>MUS 102B</td>
<td>Basic Musicianship</td>
<td>3</td>
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</table>
MUS 104A  Beginning Theory  3
MUS 104B  Beginning Theory  3
MUS 112  History And Appreciation Of Contemporary Jazz And 20th Century American Music  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
Select 4-8 units of Performance 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 (43)
MUS 162  Chamber Singers (45)
MUS 163  Quire Of Voyces
MUS 164  Vocal Jazz Ensemble
MUS 167  Beginning Jazz Ensemble (52)
MUS 168  Intermediate Jazz Ensemble
MUS 169  Advanced Jazz Ensemble
MUS 170  Symphony Orchestra (61)
MUS 171  Chamber Music of the Baroque Era
MUS 172  Intermediate Orchestra (33)
MUS 174  Chamber Music (63)
MUS 175  Chamber Music of the Modern Era
MUS 176  Concert Band (71)
MUS 177  Symphonic Band
MUS 178  Wind Ensemble (77)

Total Units  33.00-37.00

1  1-2 units each semester for a total of 4 semesters

Complete all department requirements for the certificate 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.

Music, Associate in Arts (AA)
Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 102A</td>
<td>Basic Musicianship</td>
<td>3</td>
</tr>
<tr>
<td>MUS 102B</td>
<td>Basic Musicianship</td>
<td>3</td>
</tr>
<tr>
<td>MUS 104A</td>
<td>Beginning Theory</td>
<td>3</td>
</tr>
<tr>
<td>MUS 104B</td>
<td>Beginning Theory</td>
<td>3</td>
</tr>
<tr>
<td>MUS 114A</td>
<td>Survey Of Music History</td>
<td>3</td>
</tr>
<tr>
<td>MUS 114B</td>
<td>Survey Of Music History</td>
<td>3</td>
</tr>
<tr>
<td>MUS 140A</td>
<td>Beginning Piano</td>
<td>1</td>
</tr>
<tr>
<td>MUS 140B</td>
<td>Beginning Piano</td>
<td>1</td>
</tr>
<tr>
<td>MUS 142A</td>
<td>Intermediate Piano</td>
<td>1</td>
</tr>
<tr>
<td>MUS 142B</td>
<td>Intermediate Piano</td>
<td>1</td>
</tr>
<tr>
<td>MUS 150</td>
<td>Beginning String Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 152</td>
<td>Beginning Wind And Percussion Techniques</td>
<td>1</td>
</tr>
<tr>
<td>MUS 154</td>
<td>Vocal Techniques I</td>
<td>1</td>
</tr>
<tr>
<td>MUS 202A</td>
<td>Intermediate Musicianship</td>
<td>3</td>
</tr>
<tr>
<td>MUS 202B</td>
<td>Intermediate Musicianship</td>
<td>3</td>
</tr>
<tr>
<td>MUS 204A</td>
<td>Intermediate Theory</td>
<td>3</td>
</tr>
<tr>
<td>MUS 204B</td>
<td>Intermediate Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

Controlled Electives
Select 4 units of Performance 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  41.00

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Music, Department Award (D)

Requirements

Students who have successfully completed a defined program of study in the area of Music earn a Departmental Award. 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 Departmental Award in Music. There are neither college requirements nor General Education requirements that need be taken. A complete description of the Music Departmental Award requirements is listed below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 102A</td>
<td>Basic Musicianship</td>
<td>3</td>
</tr>
<tr>
<td>MUS 102B</td>
<td>Basic Musicianship</td>
<td>3</td>
</tr>
<tr>
<td>MUS 104A</td>
<td>Beginning Theory</td>
<td>3</td>
</tr>
<tr>
<td>MUS 104B</td>
<td>Beginning Theory</td>
<td>3</td>
</tr>
<tr>
<td>Select two courses from the following:</td>
<td></td>
<td>6-7</td>
</tr>
<tr>
<td>MUS 110</td>
<td>Music Appreciation</td>
<td></td>
</tr>
<tr>
<td>or MUS 110H</td>
<td>Music Appreciation, Honors</td>
<td></td>
</tr>
<tr>
<td>MUS 112</td>
<td>History and Appreciation of Contemporary Jazz and 20th Century American Music</td>
<td></td>
</tr>
<tr>
<td>MUS 114A</td>
<td>Survey of Music History</td>
<td></td>
</tr>
<tr>
<td>MUS 114B</td>
<td>Survey of Music History</td>
<td></td>
</tr>
<tr>
<td>MUS 115</td>
<td>History and Appreciation of Rock and Popular Music</td>
<td></td>
</tr>
<tr>
<td>MUS 118</td>
<td>World Music</td>
<td></td>
</tr>
<tr>
<td>Select two units of Beginning or Intermediate Piano selected from the following:</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>MUS 140A</td>
<td>Beginning Piano</td>
<td></td>
</tr>
<tr>
<td>MUS 140B</td>
<td>Beginning Piano</td>
<td></td>
</tr>
<tr>
<td>MUS 142A</td>
<td>Intermediate Piano</td>
<td></td>
</tr>
<tr>
<td>MUS 142B</td>
<td>Intermediate Piano</td>
<td></td>
</tr>
</tbody>
</table>

Total Units 24.00-25.00

1. Note: two semesters of Applied Music [MUS 185 Applied Music and/or MUS 285 Applied Music] may be used to satisfy this requirement
2. 1 unit each semester for a total of two semesters, may be passed by exam for experienced pianists; see Mrs. Josephine Brummel
3. 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
4. 1 unit each semester for a total of two semesters
5. 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

A student must complete each of the courses required with a grade of "C" or better.
PERSONAL DEVELOPMENT

Program Description
Santa Barbara City College offers courses that provide opportunities for students to increase their potential for success, develop leadership competencies and management skills, and evaluate and plan their educational programs.

The college faculty believes strongly that students should take time early in their educational endeavors to develop a plan, seek information, and prepare themselves for a comprehensive program that is best suited to their interests, abilities and goals.

Personal Development courses at SBCC, as well as a diverse array of support services, allow the student to develop and organize his or her 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 Advancement Center. Career planning courses and services also provide an opportunity to explore, choose and enter careers and professions.
PHILOSOPHY

Program Description

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)

The department offers an AA-T Degree in Philosophy for Transfer. This degree provides the foundational knowledge in philosophy to students who want to earn a Baccalaureate Degree in Philosophy. This degree is in compliance 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) 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.

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. For more information on transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

For more information on the department, visit http://www.sbcc.edu/philosophy/

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.

Honors and Awards

The Philosophy Department selects one student as Outstanding Student who is presented the Philosophy Award at the annual year-end Santa Barbara City College Awards Banquet. No application for the award is required of students.

Special Programs

Housed within the Department of Philosophy is the Center for Philosophical Education. CPE serves primarily two functions. First, CPE publishes the undergraduate international journal of philosophy, STOA. It is published twice a year and features outstanding faculty-nominated undergraduate papers from around the world.

Second, CPE organizes international conferences in philosophy, which are held on the SBCC campus. Hosting groups of outstanding philosophers from primarily the United States and Europe for multiple-day events, CPE provides, through its conference offerings, unique and enriching professional academic experiences for both philosophy students as well as the greater Santa Barbara community. Contact the Philosophy Department for CPE or STOA information: www.sbcc.edu/philosophy (http://www.sbcc.edu/philosophy).

The Philosophy Department also sponsors the Peter A. Angeles Colloquia, a year-long, campus-wide series of lecture-discussions involving scholars, politicians and entertainers of national and international stature. The lectures are traditionally held in the Garvin Theatre and occur typically once a month. Previous lectures can be seen on videotape in the LRC.

The Philosophy Department also sponsors the Philosophy Club. Any students interested in the study of philosophy are encouraged to join. Officers are elected in the fall, and a yearlong agenda of speakers and meetings is developed by the membership. All members of the campus community are welcome.

Programs of Study

Credit Programs

- Philosophy, Associate in Arts (AA) (p. 304)
- Philosophy, Associate in Arts for Transfer (AA-T) (p. 305)

Philosophy, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 100</td>
<td>Introduction To Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 100H</td>
<td>Introduction to Philosophy, Honors</td>
<td>4</td>
</tr>
<tr>
<td>PHIL 101</td>
<td>Introduction To Ethics</td>
<td>3-4</td>
</tr>
<tr>
<td>or PHIL 101H</td>
<td>Introduction To Ethics, Honors</td>
<td></td>
</tr>
<tr>
<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>
Program of study that is best suited to their specific needs. For example, requirements for the Baccalaureate Degree in Philosophy 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 Degree in Philosophy for Transfer will provide the foundational knowledge to students who want to earn a Baccalaureate Degree in Philosophy at any of the CSU campuses.

**Degree Requirements**

Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

**General Education**

*Complete one of the following patterns:*

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (34-40 semester units)
- California State University General Education Breadth pattern (39 semester units)

**Major**

Complete 18-27 units as outlined below with a “C” or better in each course. Pass/no pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill general education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 100</td>
<td>Introduction To Philosophy</td>
<td>3-4</td>
</tr>
<tr>
<td>PHIL 100H</td>
<td>Introduction To Philosophy, Honors</td>
<td></td>
</tr>
<tr>
<td>PHIL 101</td>
<td>Introduction To Ethics</td>
<td></td>
</tr>
<tr>
<td>PHIL 101H</td>
<td>Introduction To Ethics, Honors</td>
<td></td>
</tr>
<tr>
<td>PHIL 205</td>
<td>Introduction To Logic</td>
<td>3</td>
</tr>
</tbody>
</table>

**List A**

Select one course from the following or any Required Core course not selected above:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate</td>
<td>1</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Microeconomics</td>
<td></td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
<td></td>
</tr>
<tr>
<td></td>
<td>or ENG 111H</td>
<td></td>
</tr>
<tr>
<td>FR 104</td>
<td>Intermediate French II</td>
<td>1</td>
</tr>
<tr>
<td>GER 104</td>
<td>Intermediate German II</td>
<td>1</td>
</tr>
<tr>
<td>ITAL 104</td>
<td>Intermediate Italian II</td>
<td>1</td>
</tr>
<tr>
<td>JAPN 104</td>
<td>Intermediate Japanese II</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 102</td>
<td>Comparative World Religions</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>or PHIL 102H</td>
<td></td>
</tr>
<tr>
<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy</td>
<td></td>
</tr>
<tr>
<td>PHIL 200</td>
<td>History Of Philosophy: Ancient</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 201</td>
<td>History Of Philosophy: Modern</td>
<td>1</td>
</tr>
<tr>
<td>PHIL 203</td>
<td>History Of Philosophy: Contemporary</td>
<td>1</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>PHIL 204</td>
<td>History And Philosophy Of The Great Ideas Of Physics ^1</td>
<td></td>
</tr>
<tr>
<td>PHIL 207A</td>
<td>Comparative Philosophy, East And West ^1</td>
<td></td>
</tr>
<tr>
<td>SPAN 104</td>
<td>Intermediate Spanish II ^1</td>
<td></td>
</tr>
</tbody>
</table>

**List B**

Select two courses from the following or any List A course not selected above:

- HIST 103  | History Of Western Civilization ^1                                         |
- HIST 104  | History Of Western Civilization ^1                                         |
  or HIST 113H | History Of Western Civilization: 1600 To Present, Honors                   |

**List C**

Select one course from the following or any courses not selected from List A or B:

- ASL 101   | Beginning American Sign Language I ^1                                    |
- ASL 102   | Beginning American Sign Language II ^1                                   |
- ASL 103   | Intermediate American Sign Language I ^1                                 |
- ASL 104   | Intermediate American Sign Language II ^1                                |
- ARBC 101  | Beginning Modern Standard Arabic I ^1                                    |
- ARBC 102  | Beginning Modern Standard Arabic II ^1                                   |
- ASAM 101  | Comparative Asian-American History, 1849-1965 ^1                          |
- ASAM 102  | Contemporary Asian-American History ^1                                    |
- 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. ^1             |
- CHST 101  | Mexican-American (Chicano) History In The U.S. ^1                         |
- CHST 113  | Introduction To Chicano/Mexican-American Literature ^1                   |
- CHST 114  | Borderlands Literature: U.S.-Mexico ^1                                    |
- CHST 115  | Introduction To Mexican Literature ^1                                     |
- CHIN 101  | Beginning Chinese I ^1                                                   |
- CHIN 102  | Beginning Chinese II ^1                                                  |
- CHIN 103  | Intermediate Chinese ^1                                                  |
- ECE 115   | Children's Literature ^1                                                 |
- ENG 221   | Survey Of British Literature ^1                                           |
- ENG 222   | Survey Of British Literature ^1                                           |
- ENG 222H  | Survey Of British Literature, Honors ^1                                  |
- ENG 225   | American Literature ^1                                                   |
- ENG 226   | American Literature ^1                                                   |
- ENG 226H  | American Literature, Honors ^1                                           |
- ENG 231   | World Literature ^1                                                      |
- ENG 232   | World Literature ^1                                                      |
- ENG 236   | Sacred Literature, Eastern Texts ^1                                       |
- ENG 237   | Sacred Literature, Western Texts ^1                                       |
- ENG 240   | Contemporary Fiction ^1                                                  |
- ENG 241   | Contemporary Women Writers ^1                                             |
- ENG 251   | Introduction To Poetry ^1                                                |
- ENG 261   | Literature And Film ^1                                                   |
- ENG 262   | Shakespeare ^1                                                            |
- ENVS 112  | American Environmental History ^1                                         |
- ETHS 101  | The Immigrant Experience in the U.S. ^1                                   |
- ETHS 101H | The Immigrant Experience in the U.S., Honors ^1                           |
- ETHS 117  | Cultural Diversity In Film ^1                                            |
- ETHS 121  | Women Of Color In The U.S. ^1                                             |
- ETHS 122  | Arab-American/Middle Eastern Women In The U.S. ^1                         |
- FS 101    | Introduction to Film Studies ^1                                           |
- FS 101H   | Introduction to Film Studies, Honors ^1                                   |
- FS 105    | Introduction to Television Studies ^1                                     |
- FS 110    | World Cinema to 1960’s ^1                                                |
- FS 111    | Contemporary World Cinema ^1                                             |
- FS 112B   | Art Cinema ^1                                                            |
- FS 114    | History of Animation ^1                                                  |
- FS 116    | Gender and Sexuality in Film ^1                                           |
- FS 118    | Film Genres ^1                                                           |
- FS 121    | Documentary Film ^1                                                      |
- FR 101    | Beginning French I ^1                                                    |
- FR 102    | Beginning French II ^1                                                   |
- FR 103    | Intermediate French I ^1                                                |
- GER 101   | Beginning German I ^1                                                    |
- GER 102   | Beginning German II ^1                                                   |
- GER 103   | Intermediate German I ^1                                                |
- HEBR 101  | Beginning Modern Hebrew I ^1                                             |
- HEBR 102  | Beginning Modern Hebrew II ^1                                            |
- HIST 101  | History Of The U.S. To 1877 ^1                                           |
- HIST 102  | History Of The U.S. Since 1865, Honors ^1                                |
- HIST 102H | History Of The U.S. Since 1865, Honors ^1                                |
- HIST 107  | World Civilization, Beginnings To 1550 ^1                                |
- HIST 108  | World Civilization, 1550 To Present ^1                                   |
- HIST 110  | History Of American Women ^1                                             |
- HIST 111  | The American West As Frontier And Region ^1                              |
- HIST 112  | American Environmental History ^1                                        |
- HIST 114  | The Immigrant Experience In The U.S. ^1                                  |
- HIST 114H | The Immigrant Experience In The U.S., Honors ^1                          |
- HIST 115  | The Vietnam Wars ^1                                                      |
- HIST 120  | Modern Europe ^1                                                         |
- HIST 121  | History Of Great Britain ^1                                              |
- HIST 122  | History Of Great Britain ^1                                              |
- HIST 127  | History Of Russia ^1                                                     |
- HIST 133  | History Of Latin America: Bc To 1800’S ^1                                |
- HIST 134  | History Of Latin America: 1800’S To Modern Period ^1                     |
HIST 135  History Of Mexico 1
HIST 137  History Of Religions Of The Middle East 1
HIST 138  History Of The Modern Middle East 1
ITAL 101  Beginning Italian I 1
ITAL 102  Beginning Italian II 1
ITAL 103  Intermediate Italian I 1
JAPN 101  Beginning Japanese I 1
JAPN 102  Beginning Japanese II 1
JAPN 103  Intermediate Japanese I 1
KOR 101  Beginning Korean I 1
KOR 102  Beginning Korean II 1
LATN 101  Beginning Latin I 1
LATN 102  Beginning Latin II 1
NATA 105  California Tribes: The Chumash 1
NATA 113  The Indian In Literature: Fact And Fiction 1
POLS 132  Political Thinking 1
PSY 135  Psychology of Film 1
SPAN 101  Beginning Spanish I 1
SPAN 102  Beginning Spanish II 1
SPAN 103  Intermediate Spanish I 1
SPAN 104  Introduction to Literary Analysis 1
SPAN 105  Survey of Spanish Literature 1
SPAN 106  Survey of Latin American Literature 1
SPAN 107  Latin American Culture 1
SPAN 108  Contemporary Cultures Of Central America 1
SPAN 109  Contemporary Cultures Of South America 1
SPAN 110  Contemporary Cultures Of Spain 1
SPAN 111  Intermediate Spanish for Native Speakers I 1
SPAN 112  Intermediate Spanish for Native Speakers II 1
SPAN 113  Advanced Spanish 1
SPAN 114  Advanced Spanish 1

Total Units  18.00-27.00

1  These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU GE Breadth requirements.

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**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.

**CSU-Transferable Electives**

Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

**Additional Graduation Requirements for AA-T in Philosophy**

- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.
PHOTOGRAPHY

Program Description
The Photography curriculum is carefully designed to build fundamental technical skills in the operation of 35mm DSLR (digital single lens reflex) cameras, as well as some 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. Basics to Advanced skills in digital post-production (color management, editing and printing technologies) are provided from entry-level classes through the entire curriculum, as all darkroom facilities at SBCC are completely digital. Our photography classrooms and color lab 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".

For more information on the department, visit http://www.sbcc.edu/graphicdesign/index.php#photography

Career Opportunities
- Photographic Assistant Advertising/Commercial Assistant
- Portrait Photographer
- Fine Art Photography
- Photojournalism/Documentary
- Newspaper/Magazine/e-zine Photographer
- Wedding/Event Photographer
- Post-Production Specialist
- Color Management Specialist
- Restoration Specialist
- Photographic Studio Manager

Other areas of specialization include: Automotive, Architecture, Food, Fashion, Travel, Nature and Celebrity

Program Cost and Outcome
For planning purposes, the webpage below provides information on the cost of attendance, program length (assuming a student attends full time), financing options and historical student completion rates:
www.sbcc.edu/financialaid/gainfulemployment/Photography-Applied.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Photography-Applied.htm)

Programs of Study
Credit Programs
- Applied Photography, Associate in Arts (AA) (p. 308)
- Applied Photography, Certificate of Achievement (C) (p. 309)
- Advanced Photo Design, Skills Competency Award (SCA) (p. 308)
- Photo Design, Skills Competency Award (SCA) (p. 310)
- Photo Design II, Skills Competency Award (SCA) (p. 310)
- Photojournalism, Skills Competency Award (SCA) (p. 267)

Advanced Photo Design, Skills Competency Award (SCA)
Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP 212</td>
<td>Graphic Design II</td>
<td>3</td>
</tr>
<tr>
<td>GDP 230</td>
<td>Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 280</td>
<td>Advanced Lighting Systems</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 285</td>
<td>Color Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units: 12.00

Students must complete the above courses with the grade of "C" or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

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 in Arts (AA)
Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 180</td>
<td>Digital Darkroom</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 190</td>
<td>Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>or JOUR 190</td>
<td>Photojournalism</td>
<td></td>
</tr>
<tr>
<td>PHOT 209</td>
<td>Photo II</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 250</td>
<td>Fine Art Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 260</td>
<td>Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 280</td>
<td>Advanced Lighting Systems</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 285</td>
<td>Color Management</td>
<td>3</td>
</tr>
</tbody>
</table>

Course Electives
Select 6 units from the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHOT 120</td>
<td>Creative Applications I</td>
</tr>
<tr>
<td>PHOT 125</td>
<td>Creative Applications II</td>
</tr>
<tr>
<td>PHOT 130</td>
<td>Digital Assets Management</td>
</tr>
<tr>
<td>PHOT 135</td>
<td>Wedding and Event Photography</td>
</tr>
<tr>
<td>PHOT 140</td>
<td>Travel and Street Photography</td>
</tr>
<tr>
<td>PHOT 145</td>
<td>Fine Art Copy Work</td>
</tr>
<tr>
<td>PHOT 146</td>
<td>Children and Pet Photography</td>
</tr>
<tr>
<td>PHOT 147</td>
<td>Sports Photography</td>
</tr>
<tr>
<td>PHOT 150</td>
<td>Stock Photography</td>
</tr>
</tbody>
</table>
Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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
For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

To be successful, it is important to take courses in the correct sequence.

Certificate Applied Photography Requirements
Complete all department course requirements with a "C" or better or "P" in each course. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC.

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.

Photo Design II, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP 215</td>
<td>Publication Design</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 209</td>
<td>Photo II</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 214</td>
<td>Advertising Illustration</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 250</td>
<td>Fine Art Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 281</td>
<td>Digital Darkroom II</td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>15.00</td>
</tr>
</tbody>
</table>

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

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.

Photo Design, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP 110</td>
<td>Media Design</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 109</td>
<td>Introduction to Photography</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 150</td>
<td>Stock Photography</td>
<td>1</td>
</tr>
<tr>
<td>PHOT 180</td>
<td>Digital Darkroom</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 209</td>
<td>Photo II</td>
<td>3</td>
</tr>
<tr>
<td>PHOT 260</td>
<td>Portfolio</td>
<td>3</td>
</tr>
<tr>
<td>Total Units</td>
<td></td>
<td>16.00</td>
</tr>
</tbody>
</table>

Other Recommended Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GDP 113</td>
<td>Typography</td>
<td>3</td>
</tr>
</tbody>
</table>
PHYSICAL EDUCATION/HEALTH EDUCATION/DANCE/ATHLETICS

Program Description
Physical education provides opportunities for students to gain current knowledge of physical fitness facts, healthful living practices, leisure time pursuits, stress management techniques, and to receive instruction in the skills necessary for successful participation in activities necessary for optimum health and physical efficiency.

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.

The Santa Barbara City College Physical Education Department is proud to provide SBCC students, faculty and staff with the Life Fitness Center (LFC), a state-of-the-art physical fitness facility. The Life Fitness Center offers a series of courses that employ an open-entry format that allows students to use the facility during a variety of convenient hours. The LFC features the "aerobic super circuit" considered by many experts to be one of the most effective ways to train and improve physical health. The LFC is set up to accommodate the needs of students of all ages, sizes and skill levels. The LFC is also home to the Human Performance Lab, which provides students with an opportunity for a complete fitness assessment. Lastly, the LFC and the Human Performance Lab provide an excellent teaching facility for students interested in careers in personal fitness training. See department chair for information.

The varied offerings of the department are grouped within these categories:

- Aquatics
- Combatives
- Dance
- Fitness/Cardiovascular Activities
- Health Education Courses
- Healthy Aging
- Individual/Dual Activities
- Intercollegiate Athletics
- Team Sport Activities
- Theory and Professional Preparation Courses

Note. A student is allowed to take one course in each level only of any one discipline. There a total of four enrollments only in the Life Fitness Center family of courses. The student is encouraged to move progressively through the skill levels. All such activity courses transfer to CSU and UC branch institutions; however, there are limitations. UC limits the total credit for any/all activity courses to four (4) units. See a counselor for details.

The Healthy Aging AA Degree and Skills Competency Award will provide education and hands-on experiences in the areas of health promotion, nursing, health maintenance, accident and fall prevention, social conditions, accessibility to medical care and/or social services that can lead to healthy aging among older adults. The program is based on Evidence-based Healthy Promotion (EBHP) among older adults. The program provides practical and effective techniques for everyday good health and preventing disease.

The Physical Education Department at SBCC offers four AA degrees in Physical Education and Healthy Aging which provide students with a foundational knowledge on the processes through which individuals obtain optimal health, physical skill, and fitness. The physical and health educator, whether in a laboratory, school, medical or business setting, is ultimately concerned with improving the individual’s health and well-being. The programs prepare students to make a successful transition into a Baccalaureate Degree in Kinesiology at any four-year institution. These Physical Education degrees present students with more career opportunities than ever before. In addition to the traditional areas of teaching, coaching, recreation and dance, Physical Education majors are finding that the disciplines of physical therapy, athletic training, rehabilitation services, exercise specialties and fitness are more and more in demand. In addition, as preventive health care becomes more prevalent, the physical educator should find an even wider range of opportunities. Students with such interests should discuss their plans with a counselor or department adviser as early as possible.

In addition, the Physical Education Department offers an AA-T Degree in Kinesiology for Transfer. This degree will provide the foundational knowledge in Kinesiology to students who want to earn a Baccalaureate Degree in Kinesiology. This degree is in compliance 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) 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. 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. For the latest information about transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

For more information on the department, visit http://www.sbcc.edu/physicaleducation/

Planning a Program of Study
Physical Education and Healthy Aging majors are encouraged to have their programs confirmed by the Department Academic Advisor and Division Chairperson (Kathleen O’Connor, ext. 2322, kaoconnor@pipeline.sbcc.edu). Continuing appraisal and evaluation will help to ensure regular progress toward completion of goals and coursework.

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.
Honors and Awards

The following honors and awards are given each year to deserving students:

Outstanding Student in Physical Education, Male and Female Athlete of the Year, special awards for athletic achievement in individual sports, the Dance Scholarship Award and the Louise Lowry Davis Inspirational Leadership Award in Women’s Athletics.

Division Categories
Individual and Dual Activities

1. Provide instruction and opportunities for students to develop their physical skills in a variety of activities that can be pursued during leisure time.

2. Provide instruction in the rules, safety measures, etiquette and use of strategies and techniques involved in individual and dual activities.

All activities under this category are coed unless specifically designated.

These activities are based on three levels of progressive instruction—Beginning, Intermediate and Advanced:

- **Beginning:** For students who wish to learn a new activity or who possess insufficient skills in a particular activity. Introductory instruction that explores the activity’s history, rules, etiquette, strategy, equipment and elementary skills.

- **Intermediate:** For students who already possess the rudimentary skills and abilities for the activity and who wish to improve those skills. This level will provide for a greater opportunity in student competition and performance. An increased emphasis is placed on the execution of skills and proficiencies.

- **Advanced:** For the skilled performer who seeks to improve to the best of his/her ability. This level will prepare the student for highly intensive performance levels. Instruction will accentuate competition and advanced strategies. A higher level of accomplishment is stressed.

All Beginning, Intermediate and Advanced activities classes are 0.9 hours lecture and 2.33 hours lab weekly.

Programs of Study
Credit Programs

- Healthy Aging, Associate of Arts (AA) (p. 312)
- Physical Education, Associate of Arts (AA) (p. 315)
- Physical Education, Associate of Arts (AA): Athletic/Personal Fitness Training Emphasis (p. 317)
- Kinesiology, Associate in Arts for Transfer (AA-T) (p. 313)
- Healthy Aging, Skills Competency Award (SCA) (p. 313)
- Adult CPR Certificate (Red Cross), Departmental Certificate (D)

Healthy Aging, Associate of Arts (AA) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNA 105</td>
<td>The Art of Caring for the Person with Dementia-Memory Care Basics</td>
<td>4.5</td>
</tr>
</tbody>
</table>

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Learning Outcomes

1. Provide a high quality experience for individuals enrolled in the Healthy Aging Program to: understand aging as a diverse physiological process, recognize age-related changes in relation to accidents and fall prevention and develop skills and expertise with performing activities that focus on health promotion and health maintenance education.

2. Prepare new students as well as current health care providers to work with and/or provide care for the aging population in a variety of settings.

3. Collaborate with local community programs directed at serving the health promotion needs of the aging population.

4. Provide students with the knowledge and skills necessary to improve opportunities in the workplace as well as to provide foundational knowledge for additional higher education in the field of aging.
Healthy Aging, Skills Competency Award (SCA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HE 201</td>
<td>Introduction to Healthy Aging</td>
<td>3</td>
</tr>
<tr>
<td>HE 202</td>
<td>Health Promotion: Behavior Change Theories and Practice</td>
<td>3</td>
</tr>
<tr>
<td>HE 203</td>
<td>Health Promotion: Lifestyle Modifications and Preventative Health Care Strategies</td>
<td>3</td>
</tr>
<tr>
<td>HE 290</td>
<td>Work Experience in Healthy Aging</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Total Units: 10.00-13.00

Learning Outcomes
1. Formulate a plan that would promote healthy aging incorporating new data and guidelines on risk factors, nutrition, preventive measures an intervention presented in the course.
2. Distinguish personal, social, and environmental factors and barriers influencing or impeding behavior change among older adults.
3. Develop activities related to fitness, nutrition, stress management, and serenity according to evidence based health promotion practices across the care continuum for older adults.
4. Identify and assess the aging process and physical changes on the human body and its level of function in relation to lifestyle modifications and preventative care strategies.
5. Employ field site methods in Evidenced Based Health Promotion.

Kinesiology, Associate in Arts for Transfer (AA-T)

Requirements
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 Degree in Kinesiology for Transfer provides students with the foundational knowledge in Kinesiology needed to make a successful transition into a Baccalaureate Degree in Kinesiology at any of the CSU campuses.

AA-T Degree: Kinesiology for Transfer
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.

Degree Requirements
Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

General Education
Complete one of the following patterns:
- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (38 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major
Complete 21-27.5 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill general education areas on the IGETC or the CSU GE Breadth.

Required Core

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMS 107</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BMS 108</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>PE 200</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
</tr>
</tbody>
</table>

Movement-Based Courses
Select a maximum of one course from any three of the areas 3-7.5

List A
Select a maximum of two courses from any two of the areas 7-9

Total Units 21.00-27.50

1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for IGETC and CSU GE Breadth requirements.

Movement-Based Courses

Aquatics Area

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE 132A</td>
<td>Novice Swimming</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 132B</td>
<td>Beginning Swimming</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 132C</td>
<td>Intermediate Swimming</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 133</td>
<td>Ocean Kayaking</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 134A</td>
<td>Swimming For Conditioning: Beginning</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 137</td>
<td>Beginning Surfing</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 219A</td>
<td>Beginning Water Polo</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 219B</td>
<td>Intermediate / Advanced Water Polo</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 220A</td>
<td>Ocean Swimming: Beginning</td>
<td>1.5</td>
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</table>

Combatives

<table>
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<tr>
<th>Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PE 162A</td>
<td>Beginning Karate</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 162B</td>
<td>Intermediate Karate</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 163</td>
<td>Beginning Self-Defense</td>
<td>1.5</td>
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</table>
### Team Sports

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PE 120C</td>
<td>Advanced Baseball</td>
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</tr>
<tr>
<td>PE 121A</td>
<td>Beginning Basketball</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 121B</td>
<td>Intermediate Basketball</td>
<td>1.5</td>
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<tr>
<td>PE 121C</td>
<td>Advanced Basketball</td>
<td>1.5</td>
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<tr>
<td>PE 122A</td>
<td>Beginning Flag Football</td>
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<tr>
<td>PE 122B</td>
<td>Intermediate Flag Football</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 122C</td>
<td>Advanced Flag Football</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 124A</td>
<td>Beginning Soccer</td>
<td>1.5</td>
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<tr>
<td>PE 124B</td>
<td>Intermediate Soccer</td>
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</tr>
<tr>
<td>PE 124C</td>
<td>Advanced Soccer</td>
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<tr>
<td>PE 125A</td>
<td>Beginning Softball</td>
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</tr>
<tr>
<td>PE 125B</td>
<td>Intermediate Softball</td>
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</tr>
<tr>
<td>PE 125C</td>
<td>Advanced Softball</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 126A</td>
<td>Beginning Beach Volleyball</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 126B</td>
<td>Intermediate Beach Volleyball</td>
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<tr>
<td>PE 126C</td>
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<td>PE 127B</td>
<td>Intermediate Volleyball</td>
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<td>PE 127C</td>
<td>Advanced Volleyball</td>
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<td>PE 128</td>
<td>Advanced Football Techniques</td>
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<tr>
<td>PE 180A</td>
<td>Intercollegiate Baseball - Men</td>
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<td>PE 180C</td>
<td>Intercollegiate Baseball - Men</td>
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</tr>
<tr>
<td>PE 181B</td>
<td>Intercollegiate Basketball - Women</td>
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<tr>
<td>PE 181C</td>
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<tr>
<td>PE 182B</td>
<td>Intercollegiate Basketball - Men</td>
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</tr>
<tr>
<td>PE 182C</td>
<td>Intercollegiate Basketball - Men</td>
<td>1</td>
</tr>
<tr>
<td>PE 184A</td>
<td>Intercollegiate Football - Men</td>
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</tr>
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<td>PE 184B</td>
<td>Intercollegiate Football - Men</td>
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<td>PE 184C</td>
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<td>PE 190A</td>
<td>Intercollegiate Volleyball - Women</td>
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<td>PE 190B</td>
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<td>PE 191A</td>
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<td>PE 191C</td>
<td>Intercollegiate Volleyball - Men</td>
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<td>PE 192A</td>
<td>Intercollegiate Soccer - Women</td>
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<tr>
<td>PE 192B</td>
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<td>PE 192C</td>
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<tr>
<td>PE 193A</td>
<td>Intercollegiate Soccer - Men</td>
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<td>PE 193B</td>
<td>Intercollegiate Soccer - Men</td>
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</tr>
<tr>
<td>PE 193C</td>
<td>Intercollegiate Soccer - Men</td>
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<td>PE 194A</td>
<td>Intercollegiate Softball - Women</td>
<td>3</td>
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<tr>
<td>PE 194B</td>
<td>Intercollegiate Softball - Women</td>
<td>2</td>
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<td>PE 194C</td>
<td>Intercollegiate Softball - Women</td>
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<tr>
<td>PE 199A</td>
<td>Intercollegiate Cheer/Dance</td>
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<td>Intercollegiate Cheer/Dance Team</td>
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<td>PE 221</td>
<td>Advanced Soccer Techniques - Women</td>
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### Individual Sports

<table>
<thead>
<tr>
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<tr>
<td>PE 222</td>
<td>Advanced Soccer Techniques - Men</td>
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### Individual Sports

<table>
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<tr>
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<tr>
<td>PE 101A</td>
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<td>PE 101B</td>
<td>Intermediate Badminton</td>
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<td>PE 103A</td>
<td>Beginning Golf</td>
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<td>PE 103B</td>
<td>Intermediate Golf</td>
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<tr>
<td>PE 103C</td>
<td>Advanced Golf</td>
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<tr>
<td>PE 109A</td>
<td>Beginning Tennis</td>
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<tr>
<td>PE 109B</td>
<td>Intermediate Tennis</td>
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<td>PE 109C</td>
<td>Advanced Tennis</td>
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<tr>
<td>PE 123C</td>
<td>Advanced Track And Field</td>
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<tr>
<td>PE 183A</td>
<td>Intercollegiate Cross Country for Women</td>
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<tr>
<td>PE 183B</td>
<td>Intercollegiate Cross Country for Women</td>
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<tr>
<td>PE 183C</td>
<td>Intercollegiate Cross Country for Men</td>
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<tr>
<td>PE 185A</td>
<td>Intercollegiate Golf</td>
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<td>PE 186A</td>
<td>Intercollegiate Tennis - Women</td>
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<td>PE 186C</td>
<td>Intercollegiate Tennis - Women</td>
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<tr>
<td>PE 188A</td>
<td>Intercollegiate Track And Field - Women</td>
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</tr>
<tr>
<td>PE 188B</td>
<td>Intercollegiate Track And Field - Women</td>
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</tr>
<tr>
<td>PE 188C</td>
<td>Intercollegiate Track And Field - Women</td>
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<td>PE 189A</td>
<td>Intercollegiate Track And Field - Men</td>
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</tr>
<tr>
<td>PE 189B</td>
<td>Intercollegiate Track And Field - Men</td>
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<tr>
<td>PE 189C</td>
<td>Intercollegiate Track And Field - Men</td>
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<tr>
<td>PE 224</td>
<td>Triathlon</td>
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<tr>
<td>PE 229</td>
<td>Adapted Physical Education</td>
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### Fitness

<table>
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<th>Title</th>
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<tbody>
<tr>
<td>PE 106A</td>
<td>Beginning Spinning For Fitness</td>
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<tr>
<td>PE 112A</td>
<td>Body Conditioning Boot Camp: Beginning</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 138A</td>
<td>Beginning Cardio Boxing</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 138B</td>
<td>Intermediate Cardio Boxing</td>
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</tr>
<tr>
<td>PE 138C</td>
<td>Advanced Cardio Boxing</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 139</td>
<td>Pilates Mat Fitness</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 143A</td>
<td>Integrated Training: Beginning</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 143B</td>
<td>Integrated Training: Intermediate</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 144A</td>
<td>Weight Training: Beginning</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 144B</td>
<td>Weight Training: Intermediate</td>
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</tr>
<tr>
<td>PE 144C</td>
<td>Weight Training: Advanced</td>
<td>1.5</td>
</tr>
<tr>
<td>PE 148A</td>
<td>Beginning Walking/Jogging for Fitness</td>
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</tr>
<tr>
<td>PE 148B</td>
<td>Intermediate Walking/Jogging for Fitness</td>
<td>1.5</td>
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<tr>
<td>PE 149</td>
<td>Life Fitness</td>
<td>1</td>
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<tr>
<td>PE 166</td>
<td>Life Fitness - Strength Training</td>
<td>1</td>
</tr>
<tr>
<td>PE 168</td>
<td>Women’s Fitness And Weight Training</td>
<td>1.5</td>
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</tbody>
</table>
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  1.5
PE 156  Beginning Social Ballroom Dance  1.5
PE 260  Dance Improvisation  1.5

List A
Code Title Units
Select one from the following:  4
BIOL 100  Concepts Of Biology
BIOL 140  Principles Of Biology
& BIOL 141  and Biology Laboratory
Select one from the following:  4-5
CHEM 101  Introductory Chemistry
CHEM 104  Fundamentals Of General, Organic And Biological Chemistry
CHEM 155  General Chemistry
HE 103  Responding to Medical Emergencies  3
Select one from the following:  4
MATH 117  Elementary Statistics
MATH 117H  Elementary Statistics, Honors
Select one from the following:
PSY 150  Statistics for the Behavioral Sciences
Physics:
PHYS 101  Conceptual Physics
& 101L and Conceptual Physics Laboratory
PHYS 102  Introductory Physics For Science Majors
PHYS 105  General Physics
PHYS 110  Introductory Physics

CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

Additional Graduation Requirements for AA-T in Kinesiology
- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:
1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Physical Education, Associate of Arts (AA)
Requirements
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:
Select 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:
Select 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 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:
Select 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:
Select 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:
Select 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:
Select 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

1 All PE activity courses apply to Area E3 of the SBCC General Education pattern.
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
2. Complete a general education option (Option 1: SBCC General Education and Institutional Information Competency, Option 2: IGETC, Option 3: CSU GE Breadth). General Education options allowed for each Associate Degree program vary. Refer to http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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 to 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.

Physical Education, Associate of Arts (AA): Athletic/Personal Fitness Training Emphasis

Requirements

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<tr>
<th>Code</th>
<th>Title</th>
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<tr>
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<td>Human Anatomy</td>
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<tr>
<td>BMS 108</td>
<td>Human Physiology</td>
<td>4</td>
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<td>BMS 128</td>
<td>Human Nutrition</td>
<td>3</td>
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<tr>
<td>HE 103</td>
<td>Responding to Medical Emergencies</td>
<td>3</td>
</tr>
<tr>
<td>HE 104</td>
<td>Introduction to Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>HE 108</td>
<td>Advanced Assessment And Treatment Of Athletic Injuries</td>
<td>3</td>
</tr>
<tr>
<td>HE 213</td>
<td>Concepts in Health and Physical Fitness</td>
<td>3</td>
</tr>
<tr>
<td>HE 220</td>
<td>Fundamentals Of Exercise Testing And Fitness Instruction</td>
<td>3</td>
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<tr>
<td>PE 200</td>
<td>Introduction to Kinesiology</td>
<td>3</td>
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<tr>
<td>PE 290</td>
<td>Work Experience in Physical Education/Health Education</td>
<td>1-4</td>
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</tbody>
</table>

Controlled Electives

Select 6-8 units from the following:

- CHEM 101  Introductory Chemistry
- CHEM 104  Fundamentals Of General, Organic And Biological Chemistry
- PHYS 101  Conceptual Physics
- PSY 100  General Psychology
- PSY 100H General Psychology, Honors

Controlled Physical Education Activities

- PE 143A  Integrated Training: Beginning 1.5
- PE 143B  Beginning Spinning For Fitness 1.5
- PE 144A  Beginning Cardio Boxing
- PE 145A  Beginning Walking/Jogging for Fitness
- PE 220A  Ocean Swimming: Beginning
- PE 226  Running for Conditioning

Flexibility:

Select one from the following:

- 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

All PE activity courses apply to Area E3 of the SBCC General Education pattern

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
2. Complete a general education option (Option 1: SBCC General Education and Institutional Information Competency, Option 2: IGETC, Option 3: CSU GE Breadth). General Education options allowed for each Associate Degree program vary. Refer to http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Learning Outcomes

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.
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.
PHYSICS

Program Description
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.

The Physics Department, in addition to offering courses for the major, provides a support service in offering Physics courses satisfying the needs of other disciplines.

There is a three-semester, calculus-based sequence (PHYS 121 Mechanics Of Solids And Fluids, PHYS 122 Electricity and Magnetism, PHYS 123 Heat, Light and Modern Physics) for the student in Engineering, Physics and other physical sciences. The department also offers the Excellence in Mathematics, Sciences and Engineering (EMSE) workshop program (PHYS 121W Workshop for Physics 121, PHYS 122W Workshop for Physics 122, and PHYS 123W Workshop for Physics 123) to assist students in calculus-based Physics courses.

For the Biological Sciences student, both a two-semester trigonometry-level Physics sequence (PHYS 105 General Physics and PHYS 106 General Physics) and a two-semester calculus-level Physics sequence (PHYS 110 Introductory Physics and PHYS 111 Introductory Physics) are offered.

PHYS 102 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 (PHYS 101 Conceptual Physics and PHYS 101L Conceptual Physics Laboratory) is offered.

To satisfy the needs of the Liberal Studies major, the Physics Department offers a non-mathematical one-semester Physical Science course (PHYS 103) which covers the physical basis of a number of disciplines—Physics, Chemistry, Astronomy, Geology and Meteorology.

The department offers an AS-T Degree in Physics for Transfer. This degree provides the foundational knowledge in physics to students who want to earn a Baccalaureate Degree in Physics. This degree is in compliance 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) 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. 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. For more information on transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

Planning a Program of Study
Students should work with Santa Barbara City College’s counseling staff in planning semester-by-semester programs of study. Important conditions to be met by students majoring in the Physical Sciences include:

1. The number of units taken each semester is a matter of personal choice. Students who work full-time should take a reduced course load.

2. Many required courses are in sequences—which must be taken in the prescribed order (e.g. MATH 150 Calculus with Analytic Geometry I, MATH 160 Calculus With Analytic Geometry II, MATH 200 Multivariable Calculus/MATH 210 Linear Algebra and MATH 220 Differential Equations), hence schedule courses in the major first and schedule IGETC courses second. See www.assist.org (http://www.assist.org) for help.

3. Some courses are prerequisites for courses in the sequences (e.g., MATH 150 Calculus with Analytic Geometry I is a prerequisite for PHYS 121 Mechanics Of Solids And Fluids).

4. PHYS 122 Electricity and Magnetism is only taught in the Fall Semester and PHYS 123 Heat, Light and Modern Physics is only taught in the Spring Semester.

5. PHYS 123 Heat, Light and Modern Physics may be taken before PHYS 122 Electricity and Magnetism.

6. PHYS 121 Mechanics Of Solids And Fluids should be taken with MATH 160 Calculus With Analytic Geometry II and PHYS 122 Electricity and Magnetism/PHYS 123 Heat, Light and Modern Physics should be taken with MATH 200 Multivariable Calculus/ MATH 210 Linear Algebra/MATH 220 Differential Equations else there may be a scheduling time conflict.

Some sequences are especially important for the sciences. The sciences do require reading, writing and mathematical skills. Science textbooks are typically at a grade 13-14 reading level. Students deficient in such skills have a unique opportunity at Santa Barbara City College to quickly and efficiently reach the levels required in the majors programs through the following sequences:

English Sequence
1. Passing score on placement exam (to) ENG 110 Composition and Reading (to) ENG 111 Critical Thinking And Composition Through Literature; or

2. English Skills (to) ENG 098 Fundamentals Of Composition (to) ENG 110 Composition and Reading (to) ENG 111 Critical Thinking And Composition Through Literature.

Mathematics Sequence
1. MATH 095 Elementary Algebra (to) MATH 111 (to) MATH 137 Precalculus I - College Algebra And Functions (to) MATH 138 Precalculus II - College Algebra And Trigonometry (to) 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; or

2. High school algebra and trigonometry, plus passing score on placement exam (to) 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.
Special Note: If you have not been tested for appropriate course placement in respect to the aforementioned sequences, contact the Counseling Center for up-to-date pre-enrollment testing schedule information. You should make sure that you have the necessary skills for each class taken—in order to succeed and/or progress in your chosen major.

Chemistry Sequence
CHEM 101 Introductory Chemistry or high school chemistry (to) CHEM 155 General Chemistry I (to) CHEM 156 General Chemistry II.

Physics Sequence
PHYS 102 Introductory Physics For Science Majors or high school physics with trigonometry (to) PHYS 121 Mechanics Of Solids And Fluids (to) PHYS 122 Electricity and Magnetism or PHYS 123 Heat, Light and Modern Physics (to) PHYS 123 Heat, Light and Modern Physics or PHYS 122 Electricity and Magnetism. Note:
PHYS 123 Heat, Light and Modern Physics may be taken before PHYS 122 Electricity and Magnetism. PHYS 102 Introductory Physics For Science Majors and PHYS 121 Mechanics Of Solids And Fluids are offered every semester, but PHYS 122 Electricity and Magnetism and PHYS 123 Heat, Light and Modern Physics are only offered once a year.

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, departmental adviser and www.assist.org (http://www.assist.org) before planning an academic program for transfer.

Honors and Awards
Outstanding Student Award
The Physics Department selects one student each year as Outstanding Student. The selection is made by faculty in the department. Selections are based solely on academic excellence and no applications by students are required.

Joseph P. Cosand Award
The Joseph P. Cosand Award is granted to a student who has demonstrated excellence in at least two of the Physical Sciences and in Mathematics. Annually, the Physics, Chemistry and Geology faculty nominate outstanding candidates for this prestigious award. Selection is determined by a consensus of the three physical science departments, with the concurrence of the Mathematics Department.

Programs of Study
Credit Programs
• Physics, Associate in Arts (AA) (p. 320)
• Physics, Associate in Science (AS) (p. 321)
• Physics, Associate in Science for Transfer (AS-T) (p. 321)

Physics, Associate in Arts (AA)
Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus 1</td>
<td>4</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Linear Algebra 1</td>
<td>4</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Differential Equations 1</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 123</td>
<td>Heat, Light and Modern Physics</td>
<td>5</td>
</tr>
<tr>
<td>CS 105</td>
<td>Theory and Practice I</td>
<td></td>
</tr>
<tr>
<td>CS 107</td>
<td>Computer Architecture and Organization</td>
<td></td>
</tr>
<tr>
<td>CS 137</td>
<td>C Programming</td>
<td></td>
</tr>
<tr>
<td>CS 140</td>
<td>Object-Oriented Programming Using C ++</td>
<td></td>
</tr>
</tbody>
</table>

Select one course from the following: 3-4

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.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

**Physics, Associate in Science (AS) Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Department Requirements</strong></td>
<td></td>
</tr>
<tr>
<td>CHEM 155</td>
<td>General Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 156</td>
<td>General Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I</td>
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</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus ¹</td>
<td>4</td>
</tr>
<tr>
<td>MATH 210</td>
<td>Linear Algebra ¹</td>
<td>4</td>
</tr>
<tr>
<td>MATH 220</td>
<td>Differential Equations ¹</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 123</td>
<td>Heat, Light and Modern Physics</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Select one course from the following:</strong></td>
<td>3-4</td>
</tr>
<tr>
<td>CS 105</td>
<td>Theory and Practice I</td>
<td></td>
</tr>
<tr>
<td>CS 107</td>
<td>Computer Architecture and Organization</td>
<td></td>
</tr>
<tr>
<td>CS 137</td>
<td>C Programming</td>
<td></td>
</tr>
<tr>
<td>CS 140</td>
<td>Object-Oriented Programming Using C++</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>50.00-51.00</td>
</tr>
</tbody>
</table>

¹ MATH 250 and MATH 260 will also satisfy MATH 200 Multivariable Calculus and MATH 210 Linear Algebra and MATH 220 Differential Equations requirements.

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**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.

**Physics, Associate in Science for Transfer (AS-T) Requirements**

Physics 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 Physics 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 Science Degree in Physics for Transfer will provide the foundational knowledge to students who want to earn a Baccalaureate Degree in Physics at any of the CSU campuses (see [www.assist.org](http://www.assist.org) for transfer to UC/CSU).

**Degree Requirements**

Complete 60 CSU-transferable units including general education, major requirements and CSU-transferable electives as follows:

**General Education**

*Complete the following pattern*

- Intersegmental General Education Transfer Curriculum “IGETC” for CSU (37 semester units)

**Major**

Complete 29 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill general education areas on the IGETC.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I ¹</td>
<td>5</td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II ¹</td>
<td>5</td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus ¹</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 121</td>
<td>Mechanics Of Solids And Fluids</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 122</td>
<td>Electricity and Magnetism</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 123</td>
<td>Heat, Light and Modern Physics</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td><strong>Total Units</strong></td>
<td>29.00</td>
</tr>
</tbody>
</table>

¹ These courses fulfill an IGETC requirement. Visit [www.assist.org](http://www.assist.org) or [http://articulation.sbcc.edu](http://articulation.sbcc.edu) for a complete list of IGETC requirements.
CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

Additional Graduation Requirements for AS-T in Physics
• Maintain a cumulative CSU-transferable GPA of 2.0.
• Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
POLITICAL SCIENCE AND ECONOMICS

Program Descriptions

The study of politics is the study of how people are governed and how they govern themselves, and this process involves, among other things, the decision to allocate scarce resources to an expanding population with ever-increasing demands.

As a discipline, in the West, political science originates with the Greeks. Following their lead, as part of our major and our discipline of political science, we examine the views of political philosophers from Plato and Aristotle to the present on the question of which type of government is most conducive to human fulfillment and why.

Given that we are a department of political science at an American institution of higher learning, we therefore study the American political experience as a unique experiment in “self-government,” but we also go 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. We examine these differences in our 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.

In addition to the two Political Science Associate Degrees available, our department also offers several additional degree emphases, such as the Associate Degrees in Economics, Global Studies, Law and Society and Middle East Studies, in order to allow students to focus more specifically on areas of interest, both nationally and internationally.

For more information on the department, visit http://www.sbcc.edu/politicalscience/

Economics Program

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.

Global Studies Program

Enables 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;
- 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; and
- 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.

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.

Middle East Studies

Involves the study of the history, politics, cultures, religions and languages of one of the most complex and critical regions of the world. 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.

Political Science

Political Science courses help prepare students for specific careers. For example, Political Science is often used as a pre-law major or for other related professions, such as careers in government at the federal, state or local levels. Our discipline is also appropriate 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, and our faculty invite your questions about such opportunities.

Planning a Program of Study

As a general rule, students should begin their study of Political Science with POLS 101 American Government And Politics because many of the basic concepts of the discipline are introduced here within the familiar context of American Politics.

Upon completion of POLS 101 American Government And Politics, 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. Virtually all college and university political science departments require a course in Comparative Politics, which can be satisfied by taking POLS 131 Comparative Politics. This course is offered during both the Fall and Spring semesters.

Students transferring to UCSB should also take POLS 132 Political Thinking and POLS 121 International Politics, offered in both Spring and Fall semesters. Students with an interest in law are encouraged to take POLS 151 Law And Society, which is offered during the Spring semester.
Those contemplating a career in communications should take POLS 110 Politics, Society And The Mass Media.

The Political Science Department also encourages students to participate in the Internship Program (POLS 295 Internship In Political Science, which can be taken for 2-4 units) in order to gain practical experience and possible insight and direction as to future professional/vocational plans.

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, at ext. 2285.

Honors and Awards
The Political Science faculty selects one student each year to be honored as “Outstanding Student.” Students are nominated by members of the faculty, and selection is made on the basis of academic scholarship and the student’s contribution to our community’s understanding of political events. Students are also nominated for one or more of several prestigious scholarships available in Political Science, Global Studies, and Middle East Studies. (For details on how to qualify and apply for these scholarships, please see the relevant sections on these majors in this Catalog or contact the Financial Aid Office at ext. 2716.)

Honors Courses
POLS 134H Political Violence, Honors is an interdisciplinary honors course organized as a seminar with extensive readings and requiring a major research paper. See Dr. M. M. Eskandari-Qajar (IDC-352, ext. 2435) for further information.

POLS 106H The Presidency And American Institutions, Honors presents the American Presidency as the linchpin of the American constitutional system. Emphasis is on the relationship among the President, Congress, courts, the federal system, political parties, interest groups and the bureaucracy. Contact Dr. John Kay, professor emeritus, at kay@sbcc.edu for further information.

Work-Study Programs and Simulations
The Political Science Department offers three courses which involve field work in Sacramento, Washington, D.C. and at selected campuses, including our own, hosting Model United Nations conferences. POLS 107 California State And Local Politics takes students to Sacramento to view California’s political process and POLS 295 Internship In Political Science accomplishes the same thing for Sacramento and Washington, D.C., when combined with the Washington D.C. Internship and Study Program (SB/DC) or the Sacramento Internship and Study Program (SB/Sac). Contact the Study Abroad Office at ext. 2494 for the latest information on the next program to Washington, D.C. or contact Dr. M. M. Eskandari-Qajar, chair of Political Science at ext. 2435. Lastly, POLS 122 International Organizations: Global and Regional Governance and POLS 123 involve participation in a regional simulation of the Model United Nations. For more information on the Model UN and participation in it, contact Dr. Andrea B. Haupt at ext. 3735, or Mr. David Morris, Dept. of History, at ext. 5145.

Internships
Our department also places students as interns with local attorneys’ offices, public officials, or with other professionals engaged in the discipline of political science. Interested students should contact Dr. M. M. Eskandari-Qajar at ext. 2435, Dr. Andrea Haupt at ext. 3735, or Mr. Joseph Martorana at ext. 4277.

Tutorial Assistance
The faculty of the Political Science Department encourages students who might be interested in a career in teaching and who have taken our basic course, POLS 101 American Government And Politics, to inquire about opportunities to serve as tutors for other students. Several of our Political Science courses, such as POLS 101 American Government And Politics are offered as Gateway courses and have regular tutorials as well as discussion sections attached to them. For more information on the Gateway Program and the Gateway Center, please contact Ms. Sheila Wiley, Director, ext. 5156. Regular tutorials in Political Science (various classes) are also available at the Tutoring Center in the Learning Resources Center on campus. For more information on tutorials, contact Jason Levy at ext. 2667.

Departmental Advising
Our faculty is eager to provide counseling to students seeking to explore career opportunities which relate to the Political Science major or who simply need further information about any of our course offerings. Contact the chair of the department, Dr. M. M. Eskandari-Qajar at ext. 2435, for an appointment to explore the varieties of options available to students. Additionally, students should seek out the Career Center at SBCC for information on jobs in the field, at ext. 2331.

Student Participation
We invite student input at any time about needed changes in curriculum or additions to our program. Our course offerings are constantly under review and we welcome student perspective. The Political Science Department also coordinates three student clubs affiliated with the various majors under Political Science:

- The Political Science Club (PSC) is a student organization which plans regular programs designed to involve the student community in the political issues of relevance to the major. For further information, contact Mr. Joseph Martorana, IDC-349, ext. 4277.
- The International Studies Association (ISA) is a student organization which plans regular programs designed to involve the larger student community in the issues of our contemporary world. For further information, contact Dr. Andrea Haupt, IDC-357, ext. 3735.
- The Middle East Studies Club (MESC) is a student organization which meets regularly during the semester and plans programs designed to involve the student community in political and cultural issues dealing with the Middle East. For further information, contact Dr. M. M. Eskandari-Qajar, IDC-352, ext. 2435.

Economics Program
Program Description
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.

Introduction to Economics (ECON 108 Fundamentals Of Economics) is a survey course intended for non-majors.

Planning a Program of Study
In order to plan the best possible program of study to meet individual needs, students are strongly encouraged to contact the Political Science/Economics Department Chairperson or the counselor assigned to the Social Sciences Division. These individuals are eager to assist students, and they welcome the opportunity to be helpful.

Preparation for Transfer
Fulfilling only the Degree Requirements for the AA in Economics is insufficient preparation to transfer to a four-year university. 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 sheets for majors, outlining transfer requirements, are available in the Counseling Center and Transfer Center.

Global Studies
Program Description
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. 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; and
• 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.

Planning a Program of Study
As a general rule, students should begin their Global Studies major by taking GLST 101 Introduction to Global Studies and GLST 102 Global Problems in Fall and Spring respectively, and should follow up by taking POLS 121 International Politics and POLS 131 Comparative Politics in the subsequent semesters. Students should also simultaneously take one class from the selected areas A through F over the course of four semesters at SBCC.

Students seeking to transfer to UCSB must also complete their one year language requirement at SBCC before transferring. (See this Catalog, School of Modern Languages, for languages available to satisfy this requirement.)

AA Degree Requirements
An AA Degree in Global Studies can be obtained by satisfying the department requirements in Global Studies and the General Education and institutional requirements for the Associate in Arts Degree. For complete information, see “Graduation Requirements” in the Catalog Index.

Preparation for Transfer
A number of colleges and universities have transfer programs in Global Studies; others have programs in International Studies or International Relations. Specific degree requirements differ. Information sheets for majors, outlining transfer information, are available at the Counseling Center, ext. 2285.

Honors and Awards
Each year, the faculty selects one student as the Global Studies Student of the Year on the basis of academic performance and contribution to our program. This student is recognized and honored at the Annual Awards Banquet. In addition, each Spring Semester, the Global Studies Program awards the "Peter O. Haslund Global Studies Scholarship", a permanent 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, in the amount of $1,000, given on the basis of both academic promise and financial need. This scholarship is administered by the SBCC Foundation. For more information, contact the Financial Aid Office at ext. 2716.

Study Abroad Programs
Students are encouraged to participate in any of our Study Abroad programs, which are intended to make use of an international setting as a global classroom. For more information, contact the Study Abroad Office at ext. 2494.

Student Participation
The International Studies Association (ISA) is a student organization which plans regular programs designed to involve the larger student community in the issues of our contemporary world. For further information, contact Dr. Andrea Haupt, Room IDC-351, ext. 3735

Law and Society
Program Description
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.

The Law and Society Program also offers an emphasis in criminal justice, stressing the study of criminal justice as a social science. This specialization is designed for students who are particularly interested in the area of law enforcement. The emphasis is not on technical training, but rather is designed to expose students to a variety of approaches to understanding the criminal justice system and, more generally, crime.

Career choices include urban planning, court management, probation, counseling, legal practice, federal, state and local government service. This major with a BA Degree can lead to advanced degree programs in judicial administration and the social sciences, paraprofessional legal training and law school.

**AA Degree Requirements**

An AA Degree in Law and Society or Law and Society (Criminal Justice emphasis) can be obtained by satisfying the degree requirements above and the General Education and institutional requirements for the Associate in Arts Degree. For complete information, see “Graduation Requirements” in the Catalog Index.

**Preparation for Transfer**

A number of colleges and universities have transfer programs in Law and Society. Specific degree requirements differ. Information sheets for majors, outlining transfer information, are available at the Counseling Center, Room SS-120.

**Special Programs**

Students are encouraged to participate in any of our Work-Study programs to Sacramento and Washington, D.C., which are intended to give students a hands-on experience in the areas relevant to the Law and Society major. For further information, contact Dr. M. M. Eskandari-Qajar, ext. 2435, or Joseph Martorana, ext. 4277.

**Middle East Studies**

**Program Description**

The Middle East Studies major involves the study of the history, politics, cultures, religions and languages of one of the most complex and critical regions of the world. 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.

Some of the questions 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 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, ideology and 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 in the life and culture and tradition and history of the Middle East.

Career choices include State Department 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 Political Science, Middle East Studies, International Relations, Comparative Politics and Global Studies.

**AA Degree Requirements**

An AA Degree in Middle East Studies 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. For complete information, see “Graduation Requirements” in the Catalog Index.

**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 Survey Of Islamic Art And Architecture, HIST 137 History Of Religions Of The Middle East or HIST 138 History Of The Modern Middle East, or POLS 136 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 Survey Of Islamic Art And Architecture, HIST 137 History Of Religions Of The Middle East or HIST 138 History Of The Modern Middle East, or POLS 136 Middle East Government And Politics and ARBC 101 Beginning Modern Standard Arabic I sequence at SBCC.

**Honors and Awards**

Each Spring Semester, one outstanding student in Middle East Studies is chosen by the Director of the program and recognized at the Outstanding Students Awards Banquet as the “Outstanding Student in Middle East Studies.” This student will also be given the “Margareta Jamner Middle East Studies Student of the Year Award,” named in honor of Margareta Jamner, benefactor and first graduate of the Middle East Studies program at SBCC. This award was permanently endowed in 2008 by Mrs. Jamner to give students a $500 award for this achievement each year.

Each Spring Semester, students may also apply for one of three prestigious scholarships in Middle East Studies in the amount of $1,000 each: the “Manoutchehr M. Eskandari-Qajar Honorary Scholarship
in Middle East Studies,” made available in perpetuity to students in the Middle East Studies Program by a generous donation of Mr. and Mrs. Fred Jamner in honor of the Middle East Studies Program at SBCC, Dr. Manoutchehr Eskandari-Qajar; the “Gene Knudsen Hoffman Middle East Studies Scholarship,” made available through a permanent endowment by Mrs. Lessie Sinclair Nixon in honor of Gene Knudsen Hoffman; and the “Madeleine and Peter Jacobson Middle East Scholarship,” made available in perpetuity by a generous donation by Mr. and Mrs. Jacobson. Details on how to qualify and apply for these prestigious scholarships can be obtained at the Financial Aid Office in the Student Services Building (East Campus), or by calling ext. 2716.

Study Abroad Programs
Every two years, the Middle East Studies Program arranges a Study Abroad program to the Middle East through the SBCC Study Abroad Office. The inaugural Semester Abroad Program in Middle East Studies left in Spring of 2007 for Athens and Istanbul. Subsequent programs will be announced through the SBCC Study Abroad Office at regular intervals. All SBCC students in good standing qualify to apply. A number of scholarships in various amounts are available for this Study Abroad program. For details, contact the SBCC Study Abroad Office at ext. 2494 or 2243.

Transfer Opportunities
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. For transfer details consult with the Counseling Center in the Student Services Building, Room 120, ext. 2285.

Student Participation
The Middle East Studies Club (MESC) is a student organization which meets regularly during the semester and plans programs designed to involve the student community in political issues dealing with the Middle East. For further information, contact Dr. M. M. Eskandari-Qajar, ext. 2435.

Programs of Study

Credit Programs

- Economics, Associate in Arts (AA) (p. 327)
- Global Studies, Associate in Arts (AA) (p. 329)
- Law and Society, Associate in Arts (AA) (p. 330)
- Law and Society, Associate in Arts (AA): Criminal Justice Emphasis (p. 330)
- Middle East Studies, Associate in Arts (AA) (p. 331)
- Political Science, Associate in Arts (AA) (p. 331)
- Economics, Associate in Arts for Transfer (AA-T) (p. 327)
- Political Science, Associate in Arts for Transfer (AA-T) (p. 332)

Economics, Associate in Arts for Transfer (AA-T) Requirements
The Associate in Arts Degree in Economics for Transfer provides students with the foundational knowledge in Economics to make a successful transition into a Baccalaureate Degree in Economics at any of the CSU campuses.

Degree Requirements
Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

General Education
Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum “IGETC” for CSU (38 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major
Complete 21-25 units as outlined below with a “C” or better or Pass in each course. The courses completed for the major may also be used to fulfill general education areas on the IGETC or the CSU GE Breadth.
### Economics, Associate in Arts for Transfer (AA-T)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 101</td>
<td>Microeconomics ¹</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>Macroeconomics ¹</td>
<td>3</td>
</tr>
<tr>
<td>MATH 150</td>
<td>Calculus with Analytic Geometry I ¹</td>
<td>5</td>
</tr>
<tr>
<td>or MATH 130</td>
<td>Calculus for Biological Sciences, Social Sciences and Business I</td>
<td>5</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences ¹</td>
<td>4</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 117H</td>
<td>Elementary Statistics, Honors ¹</td>
<td></td>
</tr>
</tbody>
</table>

**List A**

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 110</td>
<td>Introduction to Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td></td>
</tr>
<tr>
<td>ACCT 240</td>
<td>Managerial Accounting</td>
<td></td>
</tr>
<tr>
<td>ARBC 101</td>
<td>Beginning Modern Standard Arabic I ¹</td>
<td></td>
</tr>
<tr>
<td>ARBC 102</td>
<td>Beginning Modern Standard Arabic II ¹</td>
<td></td>
</tr>
<tr>
<td>BLAW 101</td>
<td>Business Law</td>
<td></td>
</tr>
<tr>
<td>or BLAW 110</td>
<td>Legal Environment Of Business</td>
<td></td>
</tr>
<tr>
<td>CHIN 101</td>
<td>Beginning Chinese I ¹</td>
<td></td>
</tr>
<tr>
<td>CHIN 102</td>
<td>Beginning Chinese II ¹</td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td></td>
</tr>
<tr>
<td>CIS 209</td>
<td>Visual Basic .Net Programming</td>
<td></td>
</tr>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate ¹</td>
<td></td>
</tr>
<tr>
<td>COMP 109</td>
<td>Microsoft Excel</td>
<td></td>
</tr>
<tr>
<td>COMP 271</td>
<td>Business Communications</td>
<td></td>
</tr>
<tr>
<td>CS 101</td>
<td>Computer Concepts</td>
<td></td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature ¹</td>
<td></td>
</tr>
<tr>
<td>or ENG 111H</td>
<td>Critical Thinking And Composition Through Literature, Honors</td>
<td></td>
</tr>
<tr>
<td>MATH 120</td>
<td>College Algebra ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus For Biological Sciences, Social Sciences And Business II ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 137</td>
<td>Precalculus I - College Algebra And Functions ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 138</td>
<td>Precalculus II - College Algebra And Trigonometry ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 160</td>
<td>Calculus With Analytic Geometry II ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 200</td>
<td>Multivariable Calculus ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 210</td>
<td>Linear Algebra ¹</td>
<td></td>
</tr>
<tr>
<td>MATH 220</td>
<td>Differential Equations ¹</td>
<td></td>
</tr>
<tr>
<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy ¹</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology ¹</td>
<td></td>
</tr>
<tr>
<td>or SOC 101H</td>
<td>Introduction To Sociology, Honors</td>
<td></td>
</tr>
<tr>
<td>SPAN 101</td>
<td>Beginning Spanish I ¹</td>
<td></td>
</tr>
<tr>
<td>SPAN 102</td>
<td>Beginning Spanish II ¹</td>
<td></td>
</tr>
<tr>
<td>SPAN 103</td>
<td>Intermediate Spanish I ¹</td>
<td></td>
</tr>
<tr>
<td>SPAN 104</td>
<td>Intermediate Spanish II ¹</td>
<td></td>
</tr>
</tbody>
</table>

**List B**

Select one course from the following or any course not used in List A:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 106</td>
<td>International Economics ¹</td>
<td></td>
</tr>
</tbody>
</table>

Total Units: 21.00-25.00

All of these courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or www.sbcc.edu/transfercenter (http://www.sbcc.edu/transfercenter) for IGETC and CSU GE Breadth requirements.

### CSU-Transferable Electives

Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

### Additional Graduation Requirements for AA-T in Economics

- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

### Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### 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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.
## Global Studies, Associate in Arts (AA) Requirements

### Core Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLST 101</td>
<td>Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>GLST 102</td>
<td>Global Problems</td>
<td>3</td>
</tr>
<tr>
<td>POLS 121</td>
<td>International Politics</td>
<td>3-4</td>
</tr>
<tr>
<td>or POLS 121H</td>
<td>International Politics, Honors</td>
<td></td>
</tr>
<tr>
<td>or POLS 131</td>
<td>Comparative Politics</td>
<td></td>
</tr>
</tbody>
</table>

### Foreign Language Requirement

A one-year sequence in a foreign language at the college level is recommended.  

Total Units: 18.00 - 21.00
Law and Society, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 205</td>
<td>Introduction To Logic</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American Government And Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 151</td>
<td>Law And Society</td>
<td>3-4</td>
</tr>
<tr>
<td>or POLS 151H</td>
<td>Law And Society, Honors</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Option 3: Introduction to Sociology, Honors

Select three courses from the following: 9-12

- ANT 103 | Introduction To Cultural Anthropology     |
- ECON 101 | Microeconomics                            |
- ECON 102 | Macroeconomics                            |
- 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 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: 21.00-26.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

Law and Society, Associate in Arts (AA): Criminal Justice Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 205</td>
<td>Introduction To Logic</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American Government And Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 151</td>
<td>Law And Society</td>
<td>3-4</td>
</tr>
<tr>
<td>or POLS 151H</td>
<td>Law And Society, Honors</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td>3-4</td>
</tr>
</tbody>
</table>

Option 1: Criminal Justice Emphasis

Select three courses from the following: 9-12

- 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 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: 21.00-26.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
AJ 101  Introduction To The Administration Of Justice  3
AJ 107  Concepts Of Criminal Law  3
ECON 101  Microeconomics  3
or ECON 102  Macroeconomics  
PHIL 205  Introduction To Logic  3
POLS 101  American Government And Politics  3
POLS 151  Law And Society  3-4
or POLS 151H  Law And Society, Honors  
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

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

Middle East Studies, Associate in Arts (AA)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 216</td>
<td>Survey Of Islamic Art And Architecture</td>
<td>3</td>
</tr>
<tr>
<td>HIST 137</td>
<td>History Of Religions Of The Middle East</td>
<td>3</td>
</tr>
<tr>
<td>or HIST 138</td>
<td>History Of The Modern Middle East</td>
<td></td>
</tr>
<tr>
<td>POLS 136</td>
<td>Middle East Government And Politics</td>
<td>3</td>
</tr>
<tr>
<td>Select 9 units from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTH 109</td>
<td>Comparative World Cultures</td>
<td></td>
</tr>
<tr>
<td>ARBC 101</td>
<td>Beginning Modern Standard Arabic I</td>
<td></td>
</tr>
<tr>
<td>ARBC 102</td>
<td>Beginning Modern Standard Arabic II</td>
<td></td>
</tr>
<tr>
<td>ENG 237</td>
<td>Sacred Literature, Western Texts</td>
<td></td>
</tr>
<tr>
<td>ETHS 122</td>
<td>Arab-American/Middle Eastern Women In The U.S.</td>
<td></td>
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<tr>
<td>GLST 101</td>
<td>Introduction to Global Studies</td>
<td></td>
</tr>
<tr>
<td>HEBR 101</td>
<td>Beginning Modern Hebrew I</td>
<td></td>
</tr>
<tr>
<td>HEBR 102</td>
<td>Beginning Modern Hebrew II</td>
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</tr>
<tr>
<td>HIST 137</td>
<td>History Of Religions Of The Middle East</td>
<td></td>
</tr>
<tr>
<td>HIST 138</td>
<td>History Of The Modern Middle East</td>
<td></td>
</tr>
</tbody>
</table>

Total Units  18.00

If not previously used to satisfy core requirement (listed above).

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 in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 101</td>
<td>American Government And Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 121</td>
<td>International Politics</td>
<td>3-4</td>
</tr>
<tr>
<td>or POLS 121H</td>
<td>International Politics, Honors</td>
<td></td>
</tr>
<tr>
<td>POLS 132</td>
<td>Political Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLS 122</td>
<td>International Organizations: Global and Regional Governance</td>
<td></td>
</tr>
<tr>
<td>POLS 126</td>
<td>The United States in World Affairs</td>
<td></td>
</tr>
<tr>
<td>POLS 131</td>
<td>Comparative Politics</td>
<td></td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>POLS 104</td>
<td>American Government: Policy Issues/ Process</td>
<td></td>
</tr>
<tr>
<td>POLS 106H</td>
<td>The Presidency And American Institutions, Honors</td>
<td></td>
</tr>
</tbody>
</table>
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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

Political Science, Associate in Arts for Transfer (AA-T)

Requirements

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 degree in Political Science for Transfer provides students with the foundational knowledge in Political Science to make a successful transition into a Baccalaureate Degree in Political Science at any of the CSU campuses.

Degree Requirements

Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns:

• Intersegmental General Education Transfer Curriculum “IGETC” for CSU (37 semester units)
• California State University General Education Breadth pattern (40 semester units)

Major

Complete 18-23 units as outlined below with a “C” or better or Pass in each course. The courses completed for the major may also be used to fulfill general education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>POLS 101</td>
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List A

Note: Courses particularly recommended for major.

<table>
<thead>
<tr>
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<tr>
<td>POLS 107</td>
<td>California State And Local Politics</td>
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<tr>
<td>POLS 110</td>
<td>Politics, Society And The Mass Media</td>
<td>3-4</td>
</tr>
<tr>
<td>POLS 111</td>
<td>Elements Of Government Finance</td>
<td>3-4</td>
</tr>
<tr>
<td>POLS 134H</td>
<td>Political Violence, Honors</td>
<td>3-4</td>
</tr>
<tr>
<td>POLS 141</td>
<td>Introduction To Public Administration</td>
<td>3-4</td>
</tr>
<tr>
<td>POLS 151</td>
<td>Law And Society</td>
<td>3-4</td>
</tr>
<tr>
<td>POLS 151H</td>
<td>Law And Society, Honors</td>
<td>3-4</td>
</tr>
<tr>
<td>POLS 295</td>
<td>Internship In Political Science</td>
<td>3-4</td>
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</table>

Select one course from the following:

HIST 101 History Of The U.S. To 1877
HIST 102 History Of The U.S. Since 1865
HIST 102H History Of The U.S. Since 1865, Honors
HIST 103 History Of Western Civilization
HIST 104 History Of Western Civilization
HIST 113H History Of Western Civilization: 1600 To Present, Honors
HIST 134 History Of Latin America: 1800’S To Modern Period
HIST 138 History Of The Modern Middle East

Select one course from the following:

ANTH 103 Introduction To Cultural Anthropology
ANTH 109 Comparative World Cultures
ERTH 142/ GEOG 105 Economic Geography
ECON 101 Microeconomics
ECON 102 Macroeconomics
GEOG 102 Human Geography
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
SOC 101 Introduction To Sociology
or SOC 101H Introduction to Sociology, Honors
SOC 104 Social Psychology

Total Units 21.00-25.00
Select three courses from the following: 9-11

<table>
<thead>
<tr>
<th>Course</th>
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<th>Hours</th>
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<td>POLS 121</td>
<td>International Politics</td>
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<tr>
<td>or POLS 121H</td>
<td>International Politics, Honors</td>
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<tr>
<td>POLS 131</td>
<td>Comparative Politics</td>
<td>1</td>
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<tr>
<td>POLS 132</td>
<td>Political Thinking</td>
<td>1</td>
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<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
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<tr>
<td>or MATH 117</td>
<td>Elementary Statistics</td>
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<tr>
<td>or MATH 117H</td>
<td>Elementary Statistics, Honors</td>
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List B
Select two courses from the following: 6-9
Any List A course not used above and/or

<table>
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<tr>
<th>Course</th>
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<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
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<tr>
<td>ANTH 102</td>
<td>Introduction To Archaeology</td>
<td>1</td>
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<tr>
<td>or ANTH 102H</td>
<td>Introduction to Archaeology, Honors</td>
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</tr>
<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
<td>1</td>
</tr>
<tr>
<td>ANTH 109</td>
<td>Comparative World Cultures</td>
<td>1</td>
</tr>
<tr>
<td>ANTH 113</td>
<td>Witchcraft, Magic, Science And Religion</td>
<td>1</td>
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<tr>
<td>ASAM 101</td>
<td>Comparative Asian-American History, 1849-1965</td>
<td>1</td>
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<td>ASAM 102</td>
<td>Contemporary Asian-American History</td>
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<td>BLST 101</td>
<td>The African-American In U.S. History To World War II</td>
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<td>BLST 102</td>
<td>The African-American In U.S. History, From Civil Rights Movement To Present</td>
<td>1</td>
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<td>BLST 102H</td>
<td>The African-American in U.S. History, from Civil Rights to Present, Honors</td>
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<td>BLST 103</td>
<td>African-American Culture</td>
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<td>BLAW 101</td>
<td>Business Law</td>
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<td>CHST 101</td>
<td>Mexican-American (Chicano) History In The U.S.</td>
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<td>CHST 102</td>
<td>The Chicano And Latino In U.S. History, From The 1960's To The Present</td>
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<tr>
<td>CHST 103</td>
<td>Mexican-American (Chicano) Culture</td>
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<tr>
<td>CHST 121</td>
<td>The Chicana And Other Latina Women</td>
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<td>COMM 101</td>
<td>Introduction to Communication</td>
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<td>COMM 151</td>
<td>Intercultural Communication</td>
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<td>COMM 171</td>
<td>Mass Media And Society</td>
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<td>ERTH 142</td>
<td>Economic Geography</td>
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<td>ECON 101</td>
<td>Microeconomics</td>
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<td>ECON 102</td>
<td>Macroeconomics</td>
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<td>ECON 106</td>
<td>International Economics</td>
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<td>ENV 112</td>
<td>American Environmental History</td>
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<td>ETHS 101</td>
<td>The Immigrant Experience in the U.S.</td>
<td>1</td>
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<tr>
<td>ETHS 101H</td>
<td>The Immigrant Experience in the U.S., Honors</td>
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<tr>
<td>ETHS 107</td>
<td>Racism In America</td>
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<tr>
<td>ETHS 121</td>
<td>Women Of Color In The U.S.</td>
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<td>ETHS 122</td>
<td>Arab-American/Middle Eastern Women In The U.S.</td>
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<tr>
<td>GEOG 102</td>
<td>Human Geography</td>
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<td>GEOG 104</td>
<td>World Regional Geography</td>
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<tr>
<td>GEOG 105</td>
<td>Economic Geography</td>
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<td>GLST 101</td>
<td>Introduction to Global Studies</td>
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<tr>
<td>GLST 102</td>
<td>Global Problems</td>
<td>1</td>
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<tr>
<td>HIST 101</td>
<td>History Of The U.S. To 1877</td>
<td>1</td>
</tr>
<tr>
<td>HIST 102</td>
<td>History Of The U.S. Since 1865</td>
<td>1</td>
</tr>
<tr>
<td>HIST 102H</td>
<td>History Of The U.S. Since 1865, Honors</td>
<td>1</td>
</tr>
<tr>
<td>HIST 103</td>
<td>History Of Western Civilization</td>
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<tr>
<td>HIST 104</td>
<td>History Of Western Civilization</td>
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<td>HIST 107</td>
<td>World Civilization, Beginnings To 1550</td>
<td>1</td>
</tr>
<tr>
<td>HIST 108</td>
<td>World Civilization, 1550 To Present</td>
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</tr>
<tr>
<td>HIST 112</td>
<td>American Environmental History</td>
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<tr>
<td>HIST 113H</td>
<td>History Of Western Civilization: 1600 To Present, Honors</td>
<td>1</td>
</tr>
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<td>HIST 114</td>
<td>The Immigrant Experience In The U.S.</td>
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<tr>
<td>HIST 114H</td>
<td>The Immigrant Experience In The U.S., Honors</td>
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<td>HIST 120</td>
<td>Modern Europe</td>
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<td>HIST 121</td>
<td>History Of Great Britain</td>
<td>1</td>
</tr>
<tr>
<td>HIST 122</td>
<td>History Of Great Britain</td>
<td>1</td>
</tr>
<tr>
<td>HIST 127</td>
<td>History Of Russia</td>
<td>1</td>
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<tr>
<td>HIST 134</td>
<td>History Of Latin America: 1800'S To Modern Period</td>
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</tr>
<tr>
<td>HIST 135</td>
<td>History Of Mexico</td>
<td>1</td>
</tr>
<tr>
<td>HIST 137</td>
<td>History Of Religions Of The Middle East</td>
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<td>HIST 138</td>
<td>History Of The Modern Middle East</td>
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<tr>
<td>NATA 101</td>
<td>American Indian: Past And Present</td>
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<td>NATA 102</td>
<td>The Native American In 20th Century Society</td>
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<td>Native American Cultural Heritage</td>
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<td>NATA 104</td>
<td>California Indians</td>
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<td>POLS 104</td>
<td>American Government: Policy Issues/Process</td>
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<td>POLS 106H</td>
<td>The Presidency And American Institutions, Honors</td>
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<td>POLS 110</td>
<td>Politics, Society And The Mass Media</td>
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<td>International Organizations: Global and Regional Governance</td>
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<td>POLS 123</td>
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<td>POLS 124</td>
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<tr>
<td>POLS 134H</td>
<td>Political Violence, Honors</td>
<td>1</td>
</tr>
<tr>
<td>POLS 136</td>
<td>Middle East Government And Politics</td>
<td>1</td>
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<tr>
<td>POLS 141</td>
<td>Introduction To Public Administration</td>
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</tr>
<tr>
<td>POLS 151</td>
<td>Law And Society</td>
<td>1</td>
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</tbody>
</table>
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.

PSY 100 General Psychology
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
SOC 101H Introduction to Sociology, Honors
SOC 103 Marriage, Family and Intimacy
SOC 104 Social Psychology
SOC 106 Sociology of Deviance
SOC 107 Racism in America
SOC 109 Social Problems
SOC 113 Sociology Of Sex and Gender

Total Units 18.00-23.00

1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU GE Breadth requirements.

CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

Additional Graduation Requirements for AA-T in Political Science

• Maintain a cumulative CSU-transferable GPA of 2.0.
• Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.
PROFESSIONAL DEVELOPMENT STUDIES

Program Description
Today’s worker is faced not only with ever-increasing technological challenges, but also with the need for applied instruction in a variety of skills, ranging from customer service to personal success issues such as time management. The Professional Development Studies Department houses short, topic-and performance-based workplace learning courses designed to help employers and employees succeed.

Programs of Study

Noncredit Programs
- Customer Relations, Certificate of Completion (p. 335)
- Enterprise Communication, Certificate of Completion (p. 335)
- Enterprise Communication 2, Certificate of Completion (p. 335)
- High Performance Teams, Certificate of Completion (p. 335)
- Management Toolbox, Certificate of Completion (p. 336)
- Managing to Maximize Performance, Certificate of Completion (p. 336)
- Sales Techniques, Certificate of Completion (p. 336)
- Workplace Essentials, Certificate of Completion (p. 336)

Enterprise Communication 2, Certificate of Completion

Requirements

<table>
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<tr>
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<th>Title</th>
<th>Units</th>
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<td>PRO NC013</td>
<td>Emotional Intelligence in the Workplace</td>
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</tr>
<tr>
<td>PRO NC025</td>
<td>Resolving Differences in the Workplace</td>
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<td>PRO NC035</td>
<td>Workplace Politics</td>
<td>0</td>
</tr>
<tr>
<td>PRO NC044</td>
<td>Assertive Communication</td>
<td>0</td>
</tr>
</tbody>
</table>

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

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<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<td>PRO NC002</td>
<td>Business Writing in a Technological World</td>
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</tr>
<tr>
<td>PRO NC004</td>
<td>Communication Strategies for the Workplace</td>
<td>0</td>
</tr>
<tr>
<td>PRO NC032</td>
<td>Difficult Conversations</td>
<td>0</td>
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</tbody>
</table>

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.

High Performance Teams, Certificate of Completion

Requirements

<table>
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<th>Code</th>
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<th>Units</th>
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</thead>
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<tr>
<td>PRO NC015</td>
<td>Building High Performance Teams</td>
<td>0</td>
</tr>
<tr>
<td>PRO NC017</td>
<td>Change is the new Constant</td>
<td>0</td>
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</table>
Learning Outcomes
1. Practice adapting one’s own personality style to each of 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.

Management Toolbox, Certificate of Completion

Requirements

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<th>Units</th>
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<tbody>
<tr>
<td>PRO NC04</td>
<td>Communication Strategies for the Workplace</td>
<td>0</td>
</tr>
<tr>
<td>PRO NC033</td>
<td>Successfully Managing and Developing People</td>
<td>0</td>
</tr>
</tbody>
</table>

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

<table>
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<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>PRO NC021</td>
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<tr>
<td>PRO NC032</td>
<td>Difficult Conversations</td>
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</tr>
<tr>
<td>PRO NC036</td>
<td>The Art of Negotiating and Collaborating</td>
<td>0</td>
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</table>

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.

Sales Techniques, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO NC056</td>
<td>Closing Techniques to Win the Sale</td>
<td>0</td>
</tr>
<tr>
<td>PRO NC057</td>
<td>Winning Sales Scripts</td>
<td>0</td>
</tr>
</tbody>
</table>

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’.

Workplace Essentials, Certificate of Completion

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRO NC002</td>
<td>Business Writing in a Technological World</td>
<td>0</td>
</tr>
<tr>
<td>PRO NC003</td>
<td>Time Management</td>
<td>0</td>
</tr>
<tr>
<td>PRO NC005</td>
<td>Critical Thinking, Problem Solving and Decision Making</td>
<td>0</td>
</tr>
</tbody>
</table>

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.
PSYCHOLOGY

Program Description
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.

The Psychology curriculum at Santa Barbara City College is designed to provide students with courses needed to prepare for transfer as a Psychology major, to offer courses which are a valuable part of general education, to provide support and ancillary skills for many professions that deal with humans, and to offer studies which are meant to be applied to practical everyday living experiences.

Students who complete the Psychology major enter a variety of career fields and/or graduate programs, including business administration, law, recreation, social work, education, counseling, clinical psychology, industrial/organizational psychology, neuroscience, forensic science, communications, health psychology, management, personnel, sports psychology, sales, advertising, marketing and many others. It is important to keep in mind that many of these professional careers require training beyond the undergraduate level. Students with such interests should discuss their plans with a counselor or department adviser as early as possible.

The Psychology Department at Santa Barbara City College offers an AA Degree in Psychology which provides students with the foundational knowledge in psychology theory, research and statistical methods and prepares them to make a successful transition into a Baccalaureate Degree in Psychology at any four-year institution.

In addition, the Psychology Department offers an AA-T Degree in Psychology for Transfer. This degree will provide the foundational knowledge in Psychology to students who want to earn a Baccalaureate Degree in Psychology. This degree is in compliance with the 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 newly established 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. For the latest information about transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

For more information on the department, visit http://www.sbcc.edu/psychology/

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.

Association for Psychology Students
The Psychology Department sponsors a student organization, the Association for Psychology Students (A.P.S.), whose purpose is to encourage students' intellectual, social and professional development in psychology and to educate them on practical applications in the field. Any currently enrolled Santa Barbara City College student interested in advancing the goals of the organization is qualified to be a member. The group sponsors lectures, films, field trips, conferences and social activities aimed at advancing students' success in the field of psychology.

Internship Program
The Psychology Department has an Internship program whereby students gain work experience in community settings and/or research laboratories while receiving academic credit. Satisfactory completion of specific job-oriented and educational learning objectives and class attendance are essential requirements of the program.

Tutorial Opportunities
Each semester, the department hires student tutors to assist other students in their psychology coursework. Students who have strong academic performance and an interest in teaching are selected to serve as tutors.

Honors and Awards
The Psychology Department selects one student majoring in Psychology to be the Outstanding Student in Psychology for the year. Selection is made by the faculty based on a student’s academic excellence and contributions to the college and/or community. The Outstanding Student in Psychology is honored at an annual Awards Banquet hosted by the college.

Programs of Study
Credit Programs
- Psychology, Associate in Arts (AA) (p. 337)
- Psychology, Associate in Arts for Transfer (AA-T) (p. 339)

Psychology, Associate in Arts (AA) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td>or PSY 100H</td>
<td>General Psychology, Honors</td>
<td></td>
</tr>
<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
<td>4</td>
</tr>
<tr>
<td>PSY 200</td>
<td>Research Methods and Experimental Design in Psychology</td>
<td>4</td>
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Social Science Electives
Select Option A or Option B

| Total Units | 20.00-21.00 |

Santa Barbara City College
Option A

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 110</td>
<td>Introduction to Physiological Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 125</td>
<td>Psychology Of Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>PSY 130</td>
<td>Personality Dynamics And Effective Behavior</td>
<td></td>
</tr>
<tr>
<td>PSY 140</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>PSY 145</td>
<td>Human Development</td>
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</tr>
<tr>
<td>PSY 170</td>
<td>Abnormal Psychology</td>
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</tr>
<tr>
<td>PSY 175</td>
<td>Social Psychology: Psychological Perspective</td>
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</tbody>
</table>

Total Units 9.00

Option B

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>PSY 110</td>
<td>Introduction to Physiological Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 125</td>
<td>Psychology Of Human Sexuality</td>
<td></td>
</tr>
<tr>
<td>PSY 130</td>
<td>Personality Dynamics And Effective Behavior</td>
<td></td>
</tr>
<tr>
<td>PSY 140</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>PSY 145</td>
<td>Human Development</td>
<td></td>
</tr>
<tr>
<td>PSY 170</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>PSY 175</td>
<td>Social Psychology: Psychological Perspective</td>
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</table>

Total Units 9.00

Social/Behavioral Sciences Electives

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ANTH 101</td>
<td>Physical Anthropology 1  or ANTH 101H Physical Anthropology, Honors</td>
<td></td>
</tr>
<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology or COMM 101 Introduction to Communication</td>
<td></td>
</tr>
<tr>
<td>PHIL 100</td>
<td>Introduction To Philosophy or PHIL 100H Introduction to Philosophy, Honors</td>
<td></td>
</tr>
<tr>
<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy or SOC 101 Introduction To Sociology or SOC 101H Introduction To Sociology, Honors</td>
<td></td>
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</tbody>
</table>

Total Units 9.00

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

For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.
Psychology, Associate in Arts for Transfer (AA-T)

Requirements
The Associate in Arts Degree in Psychology for Transfer provides students with the foundational knowledge in Psychology to make a successful transition into a Baccalaureate Degree in Psychology at any of the CSU campuses.

Degree Requirements
Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

General Education
Complete one of the following patterns

- Intersegmental General Education Transfer Curriculum “IGETC” for CSU (38 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major
Complete 20-25 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td>or PSY 100H</td>
<td>General Psychology, Honors</td>
<td></td>
</tr>
<tr>
<td>Select one course from the following:</td>
<td>4</td>
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</tr>
<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
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</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics</td>
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<tr>
<td>MATH 117H</td>
<td>Elementary Statistics, Honors</td>
<td></td>
</tr>
<tr>
<td>PSY 200</td>
<td>Research Methods and Experimental Design in Psychology</td>
<td>4</td>
</tr>
</tbody>
</table>

Electives List A
Select one course from the following: 3-4

- BIOL 100 Concepts Of Biology
- BIOL 140 Principles Of Biology
- PSY 110 Introduction to Physiological Psychology

Electives List B
Select 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>ECE 120</td>
<td>Child Growth and Development/Educators</td>
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</tr>
<tr>
<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy</td>
<td></td>
</tr>
<tr>
<td>PSY 140</td>
<td>Child Development</td>
<td></td>
</tr>
<tr>
<td>PSY 145</td>
<td>Human Development</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td></td>
</tr>
<tr>
<td>or SOC 101H</td>
<td>Introduction to Sociology, Honors</td>
<td></td>
</tr>
<tr>
<td>SOC 104</td>
<td>Social Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 109</td>
<td>Social Problems</td>
<td></td>
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</tbody>
</table>

Electives List C
Select one course from the following: 3-5

- Any course not taken in List A or List B
- 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
- ANTH 101 Physical Anthropology
- or ANTH 101H Physical Anthropology, Honors
- ANTH 103 Introduction To Cultural Anthropology
- BIOL 110 Natural Science
- or BIOL 110H Natural Science, Honors
- 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
- ECON 108 Fundamentals Of Economics
- ERTH 101 Introductory Astronomy
- or ERTH 101H Introductory Astronomy, Honors
- GEOG 101 Physical Geography
- or 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
- or 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
ZOOB 122  Animal Diversity

Total Units 20.00-25.00

CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to the CSU, visit www.assist.org (http://www.assist.org)).

Additional Graduation Requirements for AA-T in Psychology
- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department (major) requirements in residence at SBCC.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
SCHOOL OF JUSTICE STUDIES

Program Description

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.

The School of Justice Studies at Santa Barbara City College currently offers three AS degrees. The AS Degree in Administration of Justice: Criminology Emphasis is designed to prepare students for a career in a law enforcement-related field (i.e., police officer, deputy sheriff, probation/parole officer) and/or to transfer to Bachelor’s degree programs in Criminal Justice, Criminal Justice, or related fields. The AS Degree in Administration of Justice: Law Enforcement Emphasis is designed to prepare students for entry-level positions in municipal 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, Homeland Security, etc.). The AS Degree in Administration of Justice: Legal Studies Emphasis 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.

In addition, the School of Justice Studies offers an AS-T Degree in Administration of Justice for Transfer. This degree will provide the foundational knowledge in Administration of Justice to students who want to earn a Baccalaureate Degree in Administration of Justice. This degree is in compliance 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) 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. Upon completion of the transfer associate degree, the student is eligible for transfer with junior standing to 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. For the latest information about transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

For more information on the department, visit http://www.sbcc.edu/justicestudies/

Mission Statement

The School of Justice Studies 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.

Preparation for Transfer

For assistance with courses required for transfer to four-year institutions, students are encouraged to contact the Transfer Center (ext. 2547), or the Academic Counseling Center (ext. 2285).

Work Experience

A work/volunteer experience program, in cooperation with various criminal justice agencies, offers you an opportunity to gain first-hand knowledge in the field. You will be applying what you learn in classes in an on-the-job environment, making you more valuable to your future employer—and your college experience more meaningful to you.

Advising

In addition to the college counselor for the School of Justice Studies and the Career Center, the School of Justice Studies adviser is available to students who are planning academic programs and investigating career goals. For further information on the School of Justice Studies, contact Anne Redding, Room ECOC2-9, (805) 965-0581, ext. 3071.

Program Cost and Outcome

For planning purposes, the following webpages provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Administration of Justice: Criminology Emphasis
www.sbcc.edu/financialaid/gainfulemployment/Administration%20of%20Justice%20Criminology%20Emphasis.htm (http://www.sbcc.edu/financialaid/gainfulemployment/Administration%20of%20Justice%20Criminology%20Emphasis.htm)

Administration of Justice: Law Enforcement Emphasis

Administration of Justice: Legal Studies Emphasis

Programs of Study

Credit Programs

- Administration of Justice, Associate in Arts (AA): Law Enforcement Emphasis (p. 342)
- Administration of Justice, Associate in Science (AS): Criminology Emphasis (p. 342)
- Administration of Justice, Associate in Science (AS): Law Enforcement Emphasis (p. 343)
• Administration of Justice, Associate in Science (AS): Legal Studies Emphasis (p. 344)
• Administration of Justice, Associate in Science for Transfer (AS-T) (p. 344)
• Administration of Justice, Certificate of Achievement (C): Criminology Emphasis (p. 345)
• Administration of Justice, Certificate of Achievement (C): Law Enforcement Emphasis (p. 346)
• Administration of Justice, Certificate of Achievement (C): Legal Studies Emphasis (p. 347)

Administration of Justice, Associate in Arts (AA): Law Enforcement Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction To The Administration Of Justice</td>
<td>3</td>
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<tr>
<td>AJ 102</td>
<td>Ethics In The Criminal Justice System</td>
<td>3</td>
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<tr>
<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
<td>3</td>
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<tr>
<td>AJ 107</td>
<td>Concepts Of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 111</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 113</td>
<td>Community Relations (Department)</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 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 115 | Juvenile Procedures
AJ 125 | Introduction To Criminology
AJ 245 | Constitutional Law
AJ 250 | The Study Of Murder
AJ 255 | Terrorism And The Criminal Justice System
AJ 260 | Women's Issues In The Criminal Justice System
AJ 265 | Crime and Human Behavior
AJ 271 | The Study of Evil

Total Units 24.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program.
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
6. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.

Administration of Justice, Associate in Science (AS): Criminology Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction To The Administration Of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 102</td>
<td>Ethics In The Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 125</td>
<td>Introduction To Criminology</td>
<td>3</td>
</tr>
<tr>
<td>AJ 250</td>
<td>The Study Of Murder</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td>or PSY 100H</td>
<td>General Psychology, Honors</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td>3-4</td>
</tr>
<tr>
<td>or SOC 101H</td>
<td>Introduction to Sociology, Honors</td>
<td></td>
</tr>
</tbody>
</table>

Select two courses from the following: 6-8

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
### Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### 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.


6. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.
Administration of Justice, Associate in Science (AS): Legal Studies Emphasis

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction To The Administration Of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 102</td>
<td>Ethics In The Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 103</td>
<td>Legal Aspects Of Evidence and Procedure</td>
<td>3</td>
</tr>
<tr>
<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 107</td>
<td>Concepts Of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 245</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two courses from the following: 6-8 units

AJ 104  Introduction to Corrections
AJ 110  Introduction To Forensics
AJ 111  Criminal Investigation
AJ 113  Community Relations
AJ 115  Juvenile Procedures
AJ 250  The Study Of Murder
AJ 255  Terrorism And The Criminal Justice System
AJ 260  Women's Issues In 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
or POLS 151H Law And Society, Honors

Total Units 24.00-26.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
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.

Administration of Justice, Associate in Science for Transfer (AS-T)

Requirements

The Associate in Science Degree in Administration of Justice for Transfer provides students with the foundational knowledge in Administration of Justice to make a successful transition into a Baccalaureate Degree in Criminal Justice at any of the CSU campuses. To earn this degree, students must meet the following requirements:

Degree Requirements

Complete 60 CSU-transferable units, including General Education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major

Complete 18-21 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction To The Administration Of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 107</td>
<td>Concepts Of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>List A</td>
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</tr>
<tr>
<td>AJ 103</td>
<td>Legal Aspects Of Evidence and Procedure</td>
<td>1</td>
</tr>
<tr>
<td>AJ 104</td>
<td>Introduction to Corrections</td>
<td>1</td>
</tr>
<tr>
<td>AJ 110</td>
<td>Introduction To Forensics</td>
<td>1</td>
</tr>
<tr>
<td>AJ 111</td>
<td>Criminal Investigation</td>
<td>1</td>
</tr>
<tr>
<td>AJ 113</td>
<td>Community Relations</td>
<td>1</td>
</tr>
</tbody>
</table>
AJ 115  Juvenile Procedures

**List B**
Select 6-9 units from the following:  

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AJ 102</td>
<td>Ethics In The Criminal Justice System</td>
<td>1</td>
</tr>
<tr>
<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
<td>1</td>
</tr>
<tr>
<td>AJ 125</td>
<td>Introduction To Criminology</td>
<td>1</td>
</tr>
<tr>
<td>AJ 245</td>
<td>Constitutional Law</td>
<td>1</td>
</tr>
<tr>
<td>AJ 250</td>
<td>The Study Of Murder</td>
<td>1</td>
</tr>
<tr>
<td>AJ 255</td>
<td>Terrorism And The Criminal Justice System</td>
<td>1</td>
</tr>
<tr>
<td>AJ 260</td>
<td>Women's Issues In The Criminal Justice System</td>
<td>1</td>
</tr>
<tr>
<td>AJ 265</td>
<td>Crime and Human Behavior</td>
<td>1</td>
</tr>
<tr>
<td>AJ 271</td>
<td>The Study of Evil</td>
<td>1</td>
</tr>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td></td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td></td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
<td>1</td>
</tr>
<tr>
<td>or ENG 111H</td>
<td>Critical Thinking And Composition Through Literature, Honors</td>
<td></td>
</tr>
<tr>
<td>ERTH 141 &amp; 141L</td>
<td>Physical Geography and Physical Geography Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>GEOG 101 &amp; 101L</td>
<td>Physical Geography and Physical Geography Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>ERTH 171 &amp; ERTH 172</td>
<td>Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications</td>
<td></td>
</tr>
<tr>
<td>GEOG 171 &amp; GEOG 172</td>
<td>Introduction To Geographic Information Systems And Maps and Geographic Information Systems: Software Applications</td>
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<tr>
<td>GEOG 102</td>
<td>Human Geography</td>
<td>1</td>
</tr>
<tr>
<td>MATH 114</td>
<td>Mathematics for Liberal Arts Majors</td>
<td>1</td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics</td>
<td>1</td>
</tr>
<tr>
<td>or MATH 117H</td>
<td>Elementary Statistics, Honors</td>
<td></td>
</tr>
<tr>
<td>or PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
<td></td>
</tr>
<tr>
<td>MATH 120</td>
<td>College Algebra</td>
<td>1</td>
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<tr>
<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy</td>
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<tr>
<td>PHIL 205</td>
<td>Introduction To Logic</td>
<td>1</td>
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<tr>
<td>POLS 101</td>
<td>American Government And Politics</td>
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<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>1</td>
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<tr>
<td>or PSY 100H</td>
<td>General Psychology, Honors</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td>1</td>
</tr>
<tr>
<td>or SOC 101H</td>
<td>Introduction to Sociology, Honors</td>
<td></td>
</tr>
<tr>
<td>SOC 109</td>
<td>Social Problems</td>
<td>1</td>
</tr>
<tr>
<td>SOC 115</td>
<td>Introduction To Social Research</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Units 18.00-21.00

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1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for IGETC and CSU GE Breadth requirements.

### CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC transferable courses to CSU, visit www.assist.org).

### Additional Graduation Requirements for AS-T in Administration of Justice:
- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

### Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### 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.
   
   Assessment: Not required at this time.
2. Analyze legal concepts and demonstrate knowledge of legal definitions and concepts of evidentiary law.
   
   Assessment: Not required at this time.
3. Demonstrate critical thinking and analytical skills acquired in the social/behavioral sciences in preparation for continuance of college-level education.

### Administration of Justice, Certificate of Achievement (C): Criminology Emphasis

#### Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
</table>

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Department Requirements
**Administration of Justice, Certificate of Achievement (C): Law Enforcement Emphasis**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AJ 101</td>
<td>Introduction To The Administration Of Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 102</td>
<td>Ethics In The Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 125</td>
<td>Introduction To Criminology</td>
<td>3</td>
</tr>
<tr>
<td>AJ 250</td>
<td>The Study Of Murder</td>
<td>3</td>
</tr>
<tr>
<td>PSY 100</td>
<td>General Psychology</td>
<td>3-4</td>
</tr>
<tr>
<td>or PSY 100H</td>
<td>General Psychology, Honors</td>
<td></td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td>3-4</td>
</tr>
<tr>
<td>or SOC 101H</td>
<td>Introduction to Sociology, Honors</td>
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</table>

Select two courses from the following: 6-8

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>AJ 103</td>
<td>Legal Aspects Of Evidence and Procedure</td>
<td></td>
</tr>
<tr>
<td>AJ 104</td>
<td>Introduction to Corrections</td>
<td></td>
</tr>
<tr>
<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
<td></td>
</tr>
<tr>
<td>AJ 107</td>
<td>Concepts Of Criminal Law</td>
<td></td>
</tr>
<tr>
<td>AJ 111</td>
<td>Criminal Investigation</td>
<td></td>
</tr>
<tr>
<td>AJ 113</td>
<td>Community Relations</td>
<td></td>
</tr>
<tr>
<td>AJ 115</td>
<td>Juvenile Procedures</td>
<td></td>
</tr>
<tr>
<td>AJ 245</td>
<td>Constitutional Law</td>
<td></td>
</tr>
<tr>
<td>AJ 255</td>
<td>Terrorism And The Criminal Justice System</td>
<td></td>
</tr>
<tr>
<td>AJ 260</td>
<td>Women’s Issues In The Criminal Justice System</td>
<td></td>
</tr>
<tr>
<td>AJ 265</td>
<td>Crime and Human Behavior</td>
<td></td>
</tr>
<tr>
<td>AJ 271</td>
<td>The Study of Evil</td>
<td></td>
</tr>
<tr>
<td>PSY 170</td>
<td>Abnormal Psychology</td>
<td></td>
</tr>
<tr>
<td>SOC 104</td>
<td>Social Psychology</td>
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</tr>
<tr>
<td>or PSY 175</td>
<td>Social Psychology: Psychological Perspective</td>
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</tr>
<tr>
<td>SOC 106</td>
<td>Sociology of Deviance</td>
<td></td>
</tr>
<tr>
<td>SOC 109</td>
<td>Social Problems</td>
<td></td>
</tr>
<tr>
<td>SOC 115</td>
<td>Introduction To Social Research</td>
<td></td>
</tr>
<tr>
<td>or PSY 200</td>
<td>Research Methods and Experimental Design in Psychology</td>
<td></td>
</tr>
</tbody>
</table>

**Total Units** 24.00-28.00

Students must complete all department requirements for the certificate with a cumulative 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.

**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.

**Administration of Justice, Certificate of Achievement (C): Law Enforcement Emphasis**

**Requirements**

<table>
<thead>
<tr>
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<th>Title</th>
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</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>AJ 102</td>
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<td>3</td>
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<tr>
<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 107</td>
<td>Concepts Of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 111</td>
<td>Criminal Investigation</td>
<td>3</td>
</tr>
<tr>
<td>AJ 113</td>
<td>Community Relations</td>
<td>3</td>
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</table>

Select two courses from the following: 6

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AJ 103</td>
<td>Legal Aspects Of Evidence and Procedure</td>
<td></td>
</tr>
<tr>
<td>AJ 104</td>
<td>Introduction to Corrections</td>
<td></td>
</tr>
<tr>
<td>AJ 110</td>
<td>Introduction To Forensics</td>
<td></td>
</tr>
<tr>
<td>AJ 115</td>
<td>Juvenile Procedures</td>
<td></td>
</tr>
<tr>
<td>AJ 245</td>
<td>Constitutional Law</td>
<td></td>
</tr>
<tr>
<td>AJ 250</td>
<td>The Study Of Murder</td>
<td></td>
</tr>
<tr>
<td>AJ 255</td>
<td>Terrorism And The Criminal Justice System</td>
<td></td>
</tr>
<tr>
<td>AJ 260</td>
<td>Women’s Issues In The Criminal Justice System</td>
<td></td>
</tr>
<tr>
<td>AJ 265</td>
<td>Crime and Human Behavior</td>
<td></td>
</tr>
<tr>
<td>AJ 271</td>
<td>The Study of Evil</td>
<td></td>
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</tbody>
</table>

**Total Units** 24.00

Students must complete all department requirements for the certificate with a cumulative 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.

**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.

6. Demonstrate critical thinking and analytical skills acquired in the social sciences in preparation for continuance of college-level education.

**Administration of Justice, Certificate of Achievement (C): Legal Studies Emphasis**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
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<td>AJ 101</td>
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<td>3</td>
</tr>
<tr>
<td>AJ 102</td>
<td>Ethics In The Criminal Justice System</td>
<td>3</td>
</tr>
<tr>
<td>AJ 103</td>
<td>Legal Aspects Of Evidence and Procedure</td>
<td>3</td>
</tr>
<tr>
<td>AJ 105</td>
<td>Diversity, Law and Justice</td>
<td>3</td>
</tr>
<tr>
<td>AJ 107</td>
<td>Concepts Of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>AJ 245</td>
<td>Constitutional Law</td>
<td>3</td>
</tr>
</tbody>
</table>

Select two courses from the following: 6-8

- AJ 104 Introduction to Corrections
- AJ 110 Introduction To Forensics
- AJ 111 Criminal Investigation
- AJ 115 Juvenile Procedures
- AJ 250 The Study Of Murder
- AJ 255 Terrorism And The Criminal Justice System
- AJ 260 Women's Issues In 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
  - or POLS 151H Law And Society, Honors

**Total Units** 24.00-26.00

*Students must complete all department requirements for the certificate with a cumulative GPA of 2.0 or better.*
SCHOOL OF MODERN LANGUAGES
(Formerly Foreign Languages)

Program Description
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 language 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 you an edge to compete in the global economy.

For more information on the department, visit http://www.sbcc.edu/modernlanguages/

Honors and Awards

Outstanding Students
Each Spring Semester at the Outstanding Students Awards Banquet, two students are celebrated as distinguished Modern Languages students. Selections are made on the basis of academic excellence and linguistic achievement.

Claire Brossoit Hoffner Scholarship for Study of the French Language
Claire Hoffner, a dedicated French instructor at SBCC from 1967 to 1991, has established this scholarship to provide support and encouragement to motivated students who are studying the French language. It is available to students studying French in SBCC’s School of Modern Languages. Applicants must carry nine (9) or more units and be enrolled in at least one (1) French language course each semester. They must maintain a minimum overall GPA of 3.0 and be U.S. citizens. They may be entering, continuing, re-entering, or transferring students. Recipients may use the award for tuition, fees, books, and/or expenses of living, childcare, transportation, and/or travel costs. Applications are available in the Financial Aid Office (SS-217).

Luria Japanese Language Scholarships
Awarded to students enrolled in Japanese language classes with financial need. Applicants do not need to be full-time students. Preference is given to non-native Japanese students. There is no minimum GPA requirement. Three awards each semester are $100 each. Applications are available in the Financial Aid Office (SS-217).

Francisco Moreno Santacruz Memorial Scholarship
This scholarship is available to transfer students who intend to study Spanish at a four-year college or university immediately following graduation from SBCC, with the goal of either a major or a minor in Spanish language studies. Applicants must carry at least twelve (12) units and maintain a minimum overall GPA of 3.0 and a minimum GPA of 3.5 in their Spanish language studies. Applicants may be U.S. citizens, international students, or have permanent resident status. Recipients must use the award for tuition, fees, books, and/or expenses of living, childcare, transportation, and/or travel related to the Spanish language. Selection shall include review of a standard scholarship application and personal essay. Award of this scholarship is based solely on academic achievement. Applications are available in the Financial Aid Office (SS-217).

The Rotary Club of Montecito Foundation Scholarship for the Study of Chinese Language
This scholarship is intended to provide support and encouragement to students who demonstrate an ability and enthusiasm to learn Chinese (Mandarin). Preference given to students with financial need in the broadest terms. Minimum GPA required: 2.5. Two awards each semester. Applications are available in the Financial Aid Office (SS-217).

American Sign Language Courses

ASL Program Coordinator
Ignacio Ponce (H-318, ext. 3575, ponce@sbcc.edu)

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.

Planning a Program of Study
Since students majoring in American Sign Language do so with a variety of objectives, a program of study should be planned with the help of the college counselor for the School of Modern Languages and the chairperson of the department. Transfer students are urged to consult the current catalog of the institution they plan to attend.

Sample Program
For a sample program, consult the catalog of the transfer institution of your choice.

Preparation for Transfer
Course requirements for transfer vary depending upon the college or university a student wishes to attend. Therefore, it is 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.

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.

**French Program Coordinator**
Laura Gardinali (H-316, ext. 3458)

**Planning a Program of Study**
Since students majoring in American Sign Language do so with a variety of objectives, a program of study should be planned with the help of the college counselor for the School of Modern Languages and the chairperson of the department. Transfer students are urged to consult the current catalog of the institution they plan to attend.

**Sample Program**
For a sample program, consult the catalog of the transfer institution of your choice.

**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.

**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.

The curriculum of Santa Barbara City College’s Spanish Program provides instruction in aural comprehension, speaking, reading and writing, from beginning to third-year levels. SPAN 101 Beginning Spanish I and SPAN 102 Beginning Spanish II introduce the student to basic grammar, vocabulary, communicative functions, with an introduction to the culture of Spanish speakers. SPAN 103 Intermediate Spanish I and SPAN 104 Intermediate Spanish II expand the grammatical base established in the beginning levels, and includes extensive readings to increase vocabulary and phraseology of idiomatic expressions. SPAN 115 Intermediate Occupational Spanish, SPAN 132 Introduction to Literary Analysis, and SPAN 135 Latin American Culture respond to special needs and the growing demand for knowledge of Hispanic cultures and literature.

SPAN 146 Intermediate Spanish for Native Speakers I and SPAN 147 Intermediate Spanish for Native Speakers II are designed to reinforce the Spanish language skills of native speakers. SPAN 150 Advanced Spanish and SPAN 160 Advanced Spanish concentrate on refining the knowledge and use of the language. The conversation courses (SPAN 120 Beginning Spanish Conversation, SPAN 130 Intermediate Spanish Conversation I, SPAN 140 Intermediate Spanish Conversation II) emphasize oral self-expression.

The Spanish Program also has Study Abroad programs in Mexico, Costa Rica, South America and Spain. Interested students should contact the Study Abroad Office, ext. 2494.

The department offers an AA-T Degree in Spanish for Transfer. This degree provides the foundational knowledge in Spanish to students who want to earn a Baccalaureate Degree in Spanish. This degree is in compliance 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) 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. 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. For more information on transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

**Planning a Program of Study**
In planning a program, students should be sure of placement at the proper level. Many students have had some Spanish before, but if considerable time has elapsed and they have had no contact with the language, it is best that they start at the beginning course level. Students who speak Spanish at home, but who have had no formal instruction in the language, should consult the department’s faculty adviser before selecting a course.

**Sample Program**
For a sample program, consult the catalog of the transfer institution of your choice.

**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.

**Programs of Study**

**Credit Programs**
- American Sign Language, Associate in Arts (AA) (p. 349)
- French, Associate in Arts (AA) (p. 350)
- Spanish, Associate in Arts (AA) (p. 350)
- Spanish, Associate in Arts for Transfer (AA-T) (p. 351)

**American Sign Language, Associate in Arts (AA)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 101</td>
<td>Beginning American Sign Language I</td>
<td>5</td>
</tr>
<tr>
<td>ASL 102</td>
<td>Beginning American Sign Language II</td>
<td>5</td>
</tr>
</tbody>
</table>
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

French, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR 101</td>
<td>Beginning French I</td>
<td>5</td>
</tr>
<tr>
<td>FR 102</td>
<td>Beginning French II</td>
<td>5</td>
</tr>
<tr>
<td>FR 103</td>
<td>Intermediate French I</td>
<td>5</td>
</tr>
<tr>
<td>FR 104</td>
<td>Intermediate French II</td>
<td>5</td>
</tr>
<tr>
<td>FR 130</td>
<td>Intermediate Conversation</td>
<td>2</td>
</tr>
<tr>
<td>or FR 140</td>
<td>Intermediate Conversation</td>
<td>2</td>
</tr>
</tbody>
</table>

Select a one semester course from the following or 4 units of another foreign language:

Select a one semester course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASL 103</td>
<td>Intermediate American Sign Language</td>
<td>5</td>
</tr>
<tr>
<td>ASL 104</td>
<td>Intermediate American Sign Language</td>
<td>5</td>
</tr>
<tr>
<td>ASL 125</td>
<td>American Deaf Culture and History</td>
<td>4</td>
</tr>
<tr>
<td>ASL 130</td>
<td>Intermediate ASL Conversation I</td>
<td>2</td>
</tr>
</tbody>
</table>

Total Units: 28.00

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Spanish, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 103</td>
<td>Intermediate Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 104</td>
<td>Intermediate Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 150</td>
<td>Advanced Spanish</td>
<td>4</td>
</tr>
<tr>
<td>SPAN 160</td>
<td>Advanced Spanish</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 132</td>
<td>Introduction to Literary Analysis</td>
<td></td>
</tr>
<tr>
<td>SPAN 133</td>
<td>Survey of Spanish Literature</td>
<td></td>
</tr>
<tr>
<td>SPAN 134</td>
<td>Survey of Latin American Literature</td>
<td></td>
</tr>
<tr>
<td>SPAN 135</td>
<td>Latin American Culture</td>
<td></td>
</tr>
<tr>
<td>SPAN 136</td>
<td>Contemporary Cultures Of Central America</td>
<td></td>
</tr>
</tbody>
</table>

Select a one semester course from the following or 4 units of another foreign language:
### Spanish, Associate in Arts for Transfer (AA-T)

#### Requirements

Spanish 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 Spanish 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 Degree in Spanish for Transfer will provide the foundational knowledge to students who want to earn a Baccalaureate Degree in Spanish at any of the CSU campuses.

#### Degree Requirements

Complete 60 CSU-transferable units including General Education, major requirements and, CSU-transferable electives as follows:

**General Education**

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (38 semester units)
- California State University General Education Breadth pattern (40 semester units)

**Major**

Complete 23-25 units as outlined below with a "C" or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 101</td>
<td>Beginning Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 102</td>
<td>Beginning Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>SPAN 103</td>
<td>Intermediate Spanish I</td>
<td>5</td>
</tr>
<tr>
<td>or SPAN 146</td>
<td>Intermediate Spanish for Native Speakers I</td>
<td></td>
</tr>
<tr>
<td>SPAN 104</td>
<td>Intermediate Spanish II</td>
<td>5</td>
</tr>
<tr>
<td>or SPAN 147</td>
<td>Intermediate Spanish for Native Speakers II</td>
<td></td>
</tr>
</tbody>
</table>

#### List A

Select at least 3-5 units from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 230</td>
<td>Financial Accounting</td>
<td></td>
</tr>
<tr>
<td>CHST 115</td>
<td>Introduction To Mexican Literature</td>
<td>2</td>
</tr>
<tr>
<td>CIS 101</td>
<td>Introduction To Computers And Information Systems</td>
<td></td>
</tr>
<tr>
<td>COMM 101</td>
<td>Introduction to Communication</td>
<td>2</td>
</tr>
<tr>
<td>COMM 121</td>
<td>Interpersonal Communication</td>
<td>2</td>
</tr>
<tr>
<td>or COMM 121H</td>
<td>Interpersonal Communication, Honors</td>
<td></td>
</tr>
<tr>
<td>COMM 235</td>
<td>Argumentation And Debate</td>
<td>2</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
<td>2</td>
</tr>
</tbody>
</table>

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### Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program.
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

### 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.
or ENG 111H Critical Thinking and Composition Through Literature, Honors

ENG 232 World Literature 2
HIST 134 History Of Latin America: 1800’S To Modern Period 2
PHIL 111 Critical Thinking And Writing In Philosophy 2
SPAN 120 Beginning Spanish Conversation
SPAN 130 Intermediate Spanish Conversation I
SPAN 132 Introduction to Literary Analysis 2
SPAN 133 Survey of Spanish Literature 2
SPAN 134 Survey of Latin American Literature 2
SPAN 135 Latin American Culture 2
SPAN 136 Contemporary Cultures Of Central America 2
SPAN 138 Contemporary Culture Of South America 2
SPAN 139 Contemporary Cultures Of Spain 2
SPAN 140 Intermediate Spanish Conversation II
SPAN 150 Advanced Spanish 2
SPAN 160 Advanced Spanish 2

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).
2 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU GE Breadth requirements.

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 104</td>
<td>Language and Culture</td>
<td>1</td>
</tr>
<tr>
<td>CHST 101</td>
<td>Mexican-American (Chicano) History</td>
<td>3</td>
</tr>
<tr>
<td>CHST 102</td>
<td>The Chicano And Latino In U.S. History, From The 1960’s To The Present</td>
<td>3</td>
</tr>
<tr>
<td>CHST 103</td>
<td>Mexican-American (Chicano) Culture</td>
<td>1</td>
</tr>
<tr>
<td>CHST 113</td>
<td>Introduction To Chicano/Mexican-American Literature</td>
<td>3</td>
</tr>
<tr>
<td>CHST 114</td>
<td>Borderlands Literature: U.S.-Mexico</td>
<td>1</td>
</tr>
<tr>
<td>COMM 151</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ETHS 101</td>
<td>The Immigrant Experience in The U.S.</td>
<td>3</td>
</tr>
<tr>
<td>or ETHS 101H</td>
<td>The Immigrant Experience in The U.S., Honors</td>
<td>1</td>
</tr>
<tr>
<td>HIST 114</td>
<td>The Immigrant Experience In The U.S., Honors</td>
<td>1</td>
</tr>
</tbody>
</table>

or HIST 114H The Immigrant Experience In The U.S., Honors
ETHS 107 Racism In America 1
SOC 107 Racism in America 1
GEOG 102 Human Geography 1
HIST 135 History Of Mexico 1
SOC 101 Introduction To Sociology 1
or SOC 101H Introduction to Sociology, Honors
SOC 113 Sociology Of Sex and Gender 1

1 These courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for a complete list of IGETC and CSU GE Breadth requirements.

CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC- transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

Additional Graduation Requirements for AA-T in Spanish
- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.
SCHOOL OF NURSING

Program Descriptions

The School of Nursing prepares students for Registered Nurse (RN) licensure, Vocational Nurse (VN) licensure and Certified Nursing Assistant (CNA) certification.

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 accredited by the Accreditation Commission for Education in Nursing. Graduation from Santa Barbara City College with an Associate Degree and a major in nursing qualifies graduates to take the state board examination for licensure as a registered nurse.

The Vocational Nursing program is a three-semester program designed to prepare qualified men and women applicants to function as Licensed Vocational Nurses. LVNs provide skilled nursing care in various healthcare settings: hospitals, Skilled Nursing Facilities, home health agencies, school districts, jails, clinics, and physician’s offices. The vocational nurse works under the direction of a licensed registered nurse or a physician. The program is approved by the Board of Vocational Nursing and Psychiatric Technicians. Upon successful completion of the program, graduates receive the Santa Barbara City College Certificate of Achievement, and are eligible to apply to take the examination for licensure to practice as a Licensed Vocational Nurse.

The Certified Nursing Assistant (CNA) and Home Health Aide (HHA) programs prepare 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 experience. This program meets the requirements for the California Certified Nursing Assistant, and graduates are qualified to take the State Certification Exam.

In addition to the policies and standards of Santa Barbara City College, Health Technologies programs have policies and requirements based on the professional standards and guidelines of their individual regulating state and national accrediting boards. These additional policies and requirements are described in the handbook for each individual program.

Note: For information on other Health Technologies programs, refer to the Catalog sections on Allied Health, Health Information Technology and Cancer Management, Medical Coding Specialist, Medical Reimbursement Specialist and Radiographic/Imaging Science.

For more information on the department, visit http://www.sbcc.edu/nursing/

Admission to the Programs

Candidates accepted into the ADN, VN and CNA programs must be admitted to Santa Barbara City College, as well as to the specific program. Applications to the ADN, VN and CNA programs must be submitted to the Health Technologies Office (A-218). Applications are available online at www.sbcc.edu/nursing (http://www.sbcc.edu/nursing). Applications to the college must be submitted to the Admissions Office. Refer to specific program application and admission requirements in the following pages of this Catalog or our website at www.sbcc.edu/nursing (http://www.sbcc.edu/nursing).

Registered Nursing Program Description

Graduation from Santa Barbara City College with an Associate Degree and a major in Nursing qualifies graduates to take the state board examination for licensure as a registered nurse. Nursing theory offered in campus classes is integrated with clinical nursing practice in local hospitals and health agencies. The SBCC ADN Program is approved by the California State Board of Registered Nursing (BRN) and accredited by the Accreditation Commission for Education in Nursing. For accreditation questions or comments, both agencies can be contacted at the following addresses:

Board of Registered Nursing (BRN)
P.O. Box 944210
Sacramento, CA 94244-2100
(916) 322-3350 • www.rn.ca.gov (http://www.rn.ca.gov)

Accreditation Commission for Education in Nursing, Inc.
3343 Peachtree Road NE, Suite 850
Atlanta, GA 30326
(404) 975-5000 • Fax: (404) 975-5020
www.acenursing.org (http://www.acenursing.org)

Mission Statement

The mission of the SBCC ADN Program is in accord with the Mission Statement and Core Principles of Santa Barbara City College. It supports the tenets of the American Nurses Association, the National League for Nursing, and the California Board of Registered Nursing. The primary aim of the program is to prepare entry-level registered nurses as providers of care across the health/illness continuum and as members of the profession. The program is responsive to the changing needs of the community, state and nation.

The curriculum provides a positive, innovative learning framework that fosters the development of critical thinking and problem solving skills so that graduate nurses are equipped to deliver care to a culturally diverse population in a variety of healthcare settings. Graduates will collaborate with other members of the healthcare team, be effective communicators, be politically aware, and demonstrate a commitment to lifelong learning.

ADN Philosophy

The faculty believes that teaching/learning is a continuous and interactive process, with students and faculty sharing joint responsibility. Faculty members provide information, resources, and guidance to facilitate learning; however, students must assume primary responsibility for their own learning. The faculty acknowledges that students are adults with prior knowledge and experiences and they differ in learning styles and needs; therefore, a variety of instructional strategies and support services are used to promote student achievement and success.

The faculty believes that nursing is an art and applied science based on a unique body of knowledge derived from the biological, physical, and behavioral sciences. As an art, nursing embodies learned therapeutic and caring behaviors and the creative use of skills and expertise essential to promote, maintain, and restore the person to an optimal level of health. As a science, nursing integrates concepts from the humanities and natural and behavioral sciences to develop a body of knowledge that supports the delivery of evidence-based care. It is recognized that nursing is a complex multifaceted profession directed towards promoting each client’s optimal level of health. This involves utilization of the nursing process, application of critical thinking and the transfer of theory...
into clinical practice. Nursing encompasses the roles of provider of care, manager of care, and member of the profession.

The SBCC ADN curriculum is based on the principles of Jean Watson’s theory, The Caring Science. Inherent in this curriculum model is a commitment to and a compassion for care of the whole person. Caring involves learning about and understanding human needs and human responses in varying states of health. It also involves understanding and valuing human individuality and diversity. By extending a human presence, nurses promote human dignity, reinforce self-esteem, enhance spirituality, nurture strengths, and facilitate healing. The Watson theory also recognizes that both the person cared for and the caregiver are affected by every interaction; therefore it is imperative that nurses take care of themselves in order to effectively care for others. Caring concepts are included in the program’s Conceptual Framework, Basic Standards for Safe Nursing Practice, and Educational Outcomes.

**ADN Program Benchmarks**

1. Ninety percent (90%) of graduating students responding to the Program Survey and Evaluation Form will report the SBCC ADN Program as satisfactory in all of the following areas: adequacy of curriculum to meet community needs; quality of instruction; learning environment; learning resources; and college support systems.
2. Seventy-five percent (75%) of students entering will successfully complete the program.
3. Eighty-five percent (85%) of graduates will pass NCLEX-RN on the first attempt.
4. Seventy-five percent (75%) of responding graduates will be employed within 6 months of taking the NCLEX-RN exam, as measured by the Graduate Questionnaire.
5. Eighty percent (80%) of graduates responding to the Graduate Questionnaire will evaluate themselves as average or above average as Providers of Care, Managers of Care and Members of the Profession.
6. Employers responding on the Employer Evaluation of ADN Graduates form will rate 90% of SBCC graduates as adequate or better, overall.

**Program Student Learning Outcomes (PSLO)**

1. The student will demonstrate through clinical observation the establishment of a therapeutic environment and appropriate communication with patient, family members, and team members.
2. The student will employ evidence based practice by utilizing information technology to implement plan of care and document patient outcomes.
3. The student will verbalize and demonstrate elements of critical thinking by prioritizing patient care to maintain SBCC ADN Basic Standards of Practice.
4. The student will demonstrate integrity, accountability, and respect for diverse populations in both theory and clinical.

**Terminal Objectives**

*The graduate nurse will demonstrate the following:*

1. Assist Individuals to achieve optimal health utilizing the knowledge gained from biological, social, and The Watson’s Caring Science.
2. Formulate a comprehensive plan of care using all components of the nursing process.
3. Safely perform basic psychomotor skills in the delivery of care as a technically competent clinician.
4. Integrate the role of the professional nurse into clinical practice.

5. Utilize information technology to research and communicate to identify problems, initiate actions and evaluate outcomes for health promotion and maintenance.
6. Apply psychological, social, and cultural knowledge to the nursing role.
7. Support physiological well-being of individuals and families in the health care environment.
8. Assume the role of advocate to improve health care delivery by communicating and acting according to the expressed needs of the individual.
9. Manage the clinical environment through assessment, planning, intervention and evaluation.
10. Apply critical thinking skills to male judgments based on evidence (fact) rather than conjecture.
11. Organize individuals or groups toward goal-setting and goal achievement.
12. Implement a comprehensive teaching plan to help individuals and families achieve optimal health.
13. Take and pass the NCLEX-RN Examination.
14. Understand that the culmination of the ADN program prepares for entry into practice and that continuing education and lifelong learning is imperative.

**Program Information**

When accepted into the Nursing Program, each student will be assigned a Nursing Faculty Adviser. Progression through and completion of this program requires the attainment of a minimum grade of “C” in each required course in the ADN Program and any courses noted with (*) identified in ADN Department Requirements. Program logistics, as well as special rules and limitations related to the curriculum, are described in the ADN Program Handbook, available in the Campus Bookstore and online at www.sbcc.edu/nursing (http://www.sbcc.edu/nursing). Weekend, day and evening clinical hours are required.

The Board of Registered Nursing states that students impaired by alcoholism, drug abuse, or emotional illness may be prevented from obtaining a California license to practice nursing. Any SBCC ADN student whose function is impaired by alcoholism or drug abuse may be withdrawn from the Nursing major. The Board of Registered Nursing may deny licensure to a person who has been convicted of a crime. Nursing students are required to complete a criminal background check prior to placement in clinical area.

If, at any time, the student’s conduct or physical or emotional health is such that s/he is a potential threat to the well-being of patients, the student will be withdrawn from the Nursing program.

**Admission to the Program**

Applications are available from the School of Nursing website, www.sbcc.edu/nursing (http://www.sbcc.edu/nursing). Candidates for acceptance into the ADN Program at Santa Barbara City College must be admitted to Santa Barbara City College, as well as to the ADN Program.

Applications are accepted during specified periods only. These application acceptance periods will be listed on the nursing website. When applicant has completed all program prerequisites, submit completed application to: SBCC Health Technologies Office, 721 Cliff Dr., Santa Barbara, CA 93109-2394. It is the applicant’s responsibility to follow up with the Health Technologies Office to ensure that all materials have been received: (805) 965-0581, ext. 2366. Submit official high school and college transcripts from all other colleges attended to: SBCC
Admissions and Records, 721 Cliff Dr., Santa Barbara, CA 93109-2394. Incomplete applications will not be accepted. ALL of the following must be in for a student to apply:

1. ADN application sent to the Health Technologies Office
2. Official high school transcript or GED equivalent are required of all applicants, unless the student has an AA/AS or BA/BS from a regionally accredited US institution sent to SBCC Admissions & Records Office
3. Official transcripts from all colleges attended sent to the SBCC Admissions & Records Office. Failure to submit all college transcripts may disqualify an application. The following course must be completed with a “C” or better prior to submitting an application for admission:
   a. Math: Intermediate Algebra (SBCC MATH 104 or MATH 107 Intermediate Algebra or MATH 111 or SBCC math Assessment result showing eligibility for a class higher than MATH 104 or MATH 107 Intermediate Algebra or MATH 111)
   b. English (SBCC ENG 110 Composition and Reading or ENG 110H Composition And Reading, Honors Composition and Reading)
   c. Anatomy with lab (SBCC BMS 107 Human Anatomy)
   d. Physiology with lab (SBCC BMS 108 Human Physiology)
   e. Microbiology with lab (SBCC BMS 127 Medical Microbiology or BMS 157 General Microbiology)

Attendance at the Mandatory Program Orientation Meeting is by invitation only, the semester prior to entry.

A satisfactory physical examination, using the SBCC form, with all immunizations up to date and a TB clearance are required prior to student’s first semester in the program. Students must clear a criminal background clearance prior to attending clinical in any hospital or healthcare agency.

Applicants must also be assessed with a Chancellor’s Office approved standardized assessment (Test of Essential Academic Skills) and must meet Chancellor’s Office approved standards. Applicants must meet the state-identified composite score on this assessment to enter the Nursing Program. Those applicants not meeting the approved standard will be offered a plan for remediation, which must be completed within a year before retesting. Meeting the approved standards is required for entrance into the ADN Program.

*NOTE: Starting in February 2016, the program will utilize a multicriteria application process. See website for more detail.

Attendance at an ADN Information Session is recommended prior to application. Sessions are held once a month in Health Technologies (A-218) during the Spring and Fall semesters, except holidays and summer. See the nursing website for dates and times.

Expenses

Approximate total cost of the ADN Program is $6,500. This covers the cost of tuition, uniforms, nursing shoes, watch with second hand, stethoscope, bandage scissors; required textbooks background check, physical exam, CPR certification, and transportation to and from clinical agencies and the college.

Grades

Each required department course must be completed with a grade of “C” or higher. Pass/No Pass grading is not permitted in a department requirement course.

*Courses required by the Board of Registered Nursing must have a minimum grade of “C.”

Advanced Standing

Course Challenge

Any nursing course may be challenged by an enrolled nursing student who feels she/he has previously mastered the course and clinical content in an educational or occupational setting. The procedure for challenging courses is explained in the ADN Program Handbook and is consistent with the college protocol for challenging courses.

Transfer Students

Students previously enrolled in another state accredited registered nursing program within the past year and who were in good standing may transfer into the SBCC ADN Program on a space available basis. The application process entails meeting the SBCC ADN admission requirements and applying to both the college and the program. Entry is based on space available at the time of application.

High School Articulation

Interested high school students are encouraged to prepare for nursing by completing the four-year high school pre-nursing curriculum at the San Marcos High School Health Academy. High school counselors have the list of specific high school courses, which will prepare a student to enter nursing.

LVN Advance Placement

LVNs currently licensed in California are admitted into the ADN Program in one of two tracks: (1) LVN to RN or (2) 30-unit option. LVN students are entered one time per school year in the Fall Semester. LVN to RN applicants must meet the same application and program requirements.

Diploma Nurses

College credit toward a BSN for Diploma Nurses may be awarded; evaluation of a student’s transcript may allow 30 units of nursing credit for transfer to a BSN Program. Call the director of the ADN Program for more information, ext. 2368.

Planning a Program of Study

The sequence of the following courses and other required courses will be determined in conjunction with the student’s ADN faculty adviser. All courses are CSU-transferable, with the exception of NURS 195 Success Strategies For Associate Degree Nursing Students, NURS 197 and NURS 282 NCLEX Success.

Program Cost and Outcome

For planning purposes, the following webpage provides information on the cost of attendance, program length (assuming a student attends full time), financing options and historical student completion rates:

www.sbcc.edu/financialaid/gainfulemployment/Nursing-Vocational
%20Nursing.htm (http://www.sbcc.edu/financialaid/gainfulemployment/
Nursing-Vocational%20Nursing.htm)
Vocational Nursing (LVN)

Program Description

The Certificate of Achievement: Vocational Nursing (LVN) is a three-semester program designed to prepare qualified men and women applicants to function as Licensed Vocational Nurses (LVNs). LVNs provide skilled nursing care in various healthcare settings: hospitals, skilled nursing facilities, home health agencies, school districts, jails, clinics, and physician’s offices. The vocational nurse works under the direction of a licensed registered nurse or a physician. The program is accredited by the Board of Vocational Nursing and Psychiatric Technicians. Upon successful completion of the program, graduates receive the Santa Barbara City College Certificate of Achievement, and are eligible to apply to take the examination for licensure to practice as a licensed vocational nurse. Students may earn the Associate in Science: Vocational Nursing (LVN) by completing the Certificate of Achievement: Vocational Nursing (LVN), as well as college requirements which include at least 18 units of General Education coursework.

Vocational Nursing

1. Take and pass the licensure exam.
2. Function within the scope of practice of LVN, as outlined by the California Board of Vocational Nurses.
3. Practice within professional and legal standards, ethical principles and demonstrate sensitivity to the cultural differences of patients.
4. Apply the nursing process by collaboratively assessing, planning, implementing and evaluating nursing care and teaching maintenance of health and prevention of disease.
5. Apply principles of oral, written and verbal communication to convey relevant, accurate and complete information.
6. Provide compassionate holistic nursing care by maintaining patients’ psychological safety and acting as a patient advocate.

Program Information

Brochures, information sheets and applications for the program may be obtained from the Health Technologies Office (Room A-218). Applications to the program are available on an ongoing basis. Contact the office for any change in the process.

Transcripts must be on file and all other requirements and qualifications met before any applicant will be considered for acceptance to the program. Any conflicting information should be clarified with the Health Technologies Office.

Candidates for acceptance into the LVN Program must be admitted to Santa Barbara City College, as well as to the program. Applications to the college must be submitted to the Admissions Office after acceptance into Santa Barbara City College, as well as to the program. Applications to the program are available on an ongoing basis. Contact the office for any change in the process.

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 regulating state and national accrediting boards. These additional policies and requirements are in the handbooks for the individual programs.

Any student who plans to request transfer into, recognition of credit, or apply for readmission into Health Technologies programs is required to meet with the Director of the LVN Program before beginning a course of study toward a degree or certificate. The policy and procedures will be explained at that time.

Theory and laboratory practice on campus is correlated with clinical experience in cooperating community hospitals and agencies. Students must provide their own transportation to all facilities.

If, at any time, the student’s conduct or physical or emotional health is such that he/she is a potential threat to the well-being of patients, the student will be withdrawn from the Nursing major.

Admission to the Program

Applications are accepted on a year-round basis. Admission prerequisites are:
1. Proof of high school graduation, or be 18 years of age, with equivalency certificate. “Official” transcripts (in a sealed envelope) are required.
2. A minimum grade of “C” in COMM 121 Interpersonal Communication or COMM 121H Interpersonal Communication, Honors, or COMM 131 Fundamentals Of Public Speaking or COMM 131H Fundamentals Of Public Speaking, Honors or equivalent.
3. Eligibility for MATH 095 Elementary Algebra, and ENG 098 Fundamentals Of Composition and ENG 103 Improvement Of College Reading And Study Skills, as verified by assessment through the Santa Barbara City College Assessment Office or evidence of comparable course work. (Obtain information sheet in Health Technologies, Room A-218, and/or the Assessment Office, Room SS-251. A minimum grade of “C” in BMS 100 The Human Body or BMS 107 Human Anatomy or BMS 109 or an equivalent course. Course must be taken within 5 years of entering the program.
4. CNA certification—current CNA license, or if expired, recent CNA experience (see prerequisite to VN 131 Foundation For Nursing Practice on next page).
5. Must be eligible for admission to Santa Barbara City College.
6. Once accepted, students must:
   • Complete the SBCC School of Nursing physical examination form, including providing proof of updated immunization within the past 19 months of program entry.
   • Complete MATH 103 Nursing and Allied Health Math with a “C” or successful assessment of MATH 103 Nursing and Allied Health Math competencies, or eligibility for MATH 107 Intermediate Algebra or higher based on SBCC assessment score. MATH 103 Nursing and Allied Health Math is now part of the VN curriculum and must be taken before VN 131 Foundation For Nursing Practice.
   • Complete VN 160 Reading and Literacy Strategies for Nursing/ENG 160 with a “C” or successful assessment of VN 160 Reading and Literacy Strategies for Nursing/ENG 160 competencies. VN 160 Reading and Literacy Strategies for Nursing/ENG 160 is now part of the VN curriculum and must be taken before VN 131 Foundation For Nursing Practice.
   • Obtain a CPR card, which must be kept current throughout the program.
   • Attend program orientation meeting.
   • Pay program malpractice insurance fee.

Special Note: HE 201 Introduction to Healthy Aging and (CNA 101 Certified Nursing Assistant or CNA 105 The Art of Caring for the Person with Dementia-Memory Care Basics and CNA 106 Compassionate Communication for Caregivers: The Art of Connecting in a Caregiving Relationship) are prerequisites to VN 131 Foundation For Nursing Practice, which is required in the first semester of the program.
**Department Recommendations**

These courses are not required but may aid in preparing a student for the program:

Medical terminology: AH 120 Medical Terminology or HIT 135 Basic Medical Terminology

Philosophy

**Expenses**

Students must purchase uniforms, watch with second hand, stethoscope, bandage, scissors, all VN syllabi and required textbooks. Approximate total cost is $4,000.00. Students are responsible for transportation to and from clinical agencies and the college. The following required one-time fees are paid at registration:

**Grades**

Courses in the LVN Department requirements must be completed with a minimum grade of “C”, except for Pass/No Pass graded courses, which must be completed, with a “P” grade.

**Advanced Standing**

Any student who plans to request transfer into the program, receive recognition of prior credit, or apply for readmission into Health Technologies programs is required to meet with the Director/Coordinator of the LVN Program before beginning a course of study toward a degree.

**Planning a Program of Study**

Students should meet with the LVN Academic Adviser and an Academic Counselor from the Health Technologies cluster to plan an appropriate program of study.

Theory and laboratory practice on campus is correlated with clinical experience at various health care facilities in the Santa Barbara, Santa Maria, and Lompoc area. Students must provide their own transportation to all facilities. The three-semester, 50.75-unit curriculum consists of 15 short courses, which must be taken in designated sequence as follows:

**Certified Nursing Assistant (CNA)/Home Health Aide (HHA)**

**Program Description**

The Dorothy D. Rupe CNA/HHA Program prepares men and women to give basic nursing care. 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 Certified Nursing Assistant, 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.

**Admission to the Program**

Application Procedures (consult CNA website: sbcc.edu/nursing/cna (http://www.sbcc.edu/nursing/cna) for current information)

1. Submit a CNA/HHA application to the Health Technologies Office. Applications are available from the Health Technologies Office, A-218. All forms can be found on the website.

2. (Optional) information meetings are held to assist with the application process. These open information meetings will be held at 4 p.m. in room A-214 the first Thursday of each month during the academic year. Contact the Health Technologies Office (A-218), (805) 965-0581, ext. 2366, or consult the website for additional information.

3. File an SBCC general application with the Admissions and Records Office.

4. Submit verification of eligibility for ENG 070 Effective Reading And Study Skills Techniques and ENG 080 Effective Writing Techniques to the Health Technologies Office. Eligibility is shown by submission of SBCC Assessment results or submission of SBCC or other college transcripts showing completion of the required English courses.

5. The prerequisite for the HHA course is satisfactory completion of the CNA course, and/or previous certification as a CNA.

If there are more applicants than can be accepted, admission will be based on earliest date of completion and submission of application and required materials. Applicants who do not get into the class will need to reapply.

**Acceptance Procedures**

After acceptance and before enrolling in the CNA/HHA Program students are required to:

1. Submit the required physical examination (on the SBCC form) with all up to date immunizations to the Health Technologies Office.

2. Submit current CPR card for Health Care Provider or Professional Rescuer certification.

3. Provide Social Security card, a requirement of the California Department of Social Services. A copy will be made by a Health Technologies Department staff member.

**Expenses**

Currently, required SBCC fees, fingerprinting fees, textbooks, uniform and California State Certification Exam fees are being paid through the generous gift of a donor. Tuition for out-of-state and international students is not covered.

**Grades**

Each required department course must be completed with a grade of “C” or higher. Pass/No Pass grading is not permitted in a department requirement course.

**Programs of Study**

**Credit Programs**

- Nursing (ADN), Associate in Science (AS) (p. 358)
- Vocational Nursing (VN), Associate in Science (AS) (p. 360)
- Vocational Nursing (LVN), Certificate of Achievement (C) (p. 359)
- Acute Care (CNA), Skills Competency Award (SCA) (p. 358)
- Certified Nursing Assistant (CNA), Skills Competency Award (SCA) (p. 358)
- Home Health Aide, Skills Competency Award (SCA) (p. 358)
Acute Care (CNA), Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNA 103</td>
<td>Acute Care Skills For The CNA</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Total Units 1.50

Successful completion of CNA requirements and current CNA certification required.

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

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)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNA 101</td>
<td>Certified Nursing Assistant</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Units 6.00

Home Health Aide, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNA 102</td>
<td>Home Health Aide</td>
<td>1.8</td>
</tr>
</tbody>
</table>

Total Units 1.80

Successful completion of CNA requirements and current CNA certification required.

Students must complete the above courses with a grade of "C" or higher or credit in all courses.

Learning Outcomes
1. Communicate clearly with other staff members and patients
2. Work effectively with families.
3. Follow nursing and physician care directions.
5. Identify health and safety issues and report to nursing supervisor.

Nursing (ADN), Associate in Science (AS)

Requirements

An Associate Degree will be awarded upon completion of both department and college requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMS 107</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BMS 108</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BMS 127</td>
<td>Medical Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>or BMS 157</td>
<td>General Microbiology</td>
<td></td>
</tr>
</tbody>
</table>

Select one from the following:
MATH 104
MATH 107 Intermediate Algebra
MATH 111

Select one course from the following:
COMM 121 Interpersonal Communication
COMM 121H Interpersonal Communication, Honors
COMM 131 Fundamentals Of Public Speaking
COMM 131H Fundamentals Of Public Speaking, Honors

ENG 110 Composition and Reading
or ENG 110H Composition And Reading, Honors

PSY 100 General Psychology
or PSY 100H General Psychology, Honors

Select one course from the following:
SOC 101 Introduction To Sociology
SOC 101H Introduction to Sociology, Honors
SOC 113 Sociology Of Sex and Gender

Select two of the following:
American Institutions Requirement (See GE Requirement List)
PE/Health Education (See GE Requirement List)
Multicultural/Gender Studies (See GE Requirement List)

ENG 120 College Research Skills
or LIBR 101 Information Literacy

Total Units 37.00-42.00

1 These courses must be completed with a "C" or better to graduate and to qualify to take the California State Board Exam for RN (NCLEX). Select two out of the following three: American Institutions Requirement (See GE Requirement List), PE/Health Education (See GE Requirement List), Multicultural/Gender Studies (See GE Requirement List), ENG 120 College Research Skills or LIBR 101 Information Literacy.

2 A college Chemistry Class with a lab (CHEM 101 Introductory Chemistry or CHEM 104 Fundamentals Of General, Organic And Biological Chemistry at SBCC) is a prerequisite to BMS 127 Medical Microbiology or BMS 157 General Microbiology.
3 Or SBCC assessment showing eligibility for a class higher than MATH 104 or MATH 107 Intermediate Algebra or MATH 111.

4 For transfer to a BSN Program, the following advanced courses are recommended: COMM 131 Fundamentals Of Public Speaking or COMM 131H Fundamentals Of Public Speaking, Honors and SOC 101 Introduction To Sociology or SOC 101H Introduction to Sociology, Honors.

5 Students who earned a Bachelor’s Degree from a regionally-accredited institution are exempt from these requirements.

The following advanced courses are recommended for students interested in pursuing a Bachelor of Science in Nursing:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 111</td>
<td>Critical Thinking And Composition Through Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111H</td>
<td>Critical Thinking And Composition Through Literature, Honors</td>
<td></td>
</tr>
<tr>
<td>ENG 111HG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHIL 111</td>
<td>Critical Thinking And Writing In Philosophy</td>
<td></td>
</tr>
<tr>
<td>MATH 117</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
<tr>
<td>MATH 117H</td>
<td>Elementary Statistics, Honors</td>
<td></td>
</tr>
<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences</td>
<td></td>
</tr>
</tbody>
</table>

**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.

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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program.

3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**Recommended Sequence**

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fall Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NURS 160</td>
<td>Foundations of Nursing</td>
<td>4</td>
</tr>
<tr>
<td>NURS 161</td>
<td>Pharmacology Nursing</td>
<td>1.5</td>
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<tr>
<td>NURS 162</td>
<td>Introduction to Medical-Surgical Nursing I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>9.50</td>
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</table>

Spring Semester|                                                                      |       |
| NURS 163    | Beginning Medical Surgical II                                         | 5.5   |

**Second Year**

**Fall Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>NURS 165</td>
<td>Mental Health Nursing</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>8</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>NURS 119</td>
<td>Introduction to RN for the LVN (LVNs only)</td>
<td>3</td>
</tr>
<tr>
<td>NURS 164</td>
<td>Nursing Care of Childbearing and Families</td>
<td>2.5</td>
</tr>
<tr>
<td>NURS 166</td>
<td>Intermediate Medical-Surgical Nursing III</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>Select one of the following:</td>
<td>1.5-2.5</td>
</tr>
<tr>
<td>NURS 167</td>
<td>Nursing Care of Children and Families-Pediatrics</td>
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<tr>
<td>NURS 167VN</td>
<td>Nursing Care of Children and Families for the LVN (LVNs only)</td>
<td>12-13</td>
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<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>NURS 168</td>
<td>Advanced Medical-Surgical Nursing IV</td>
<td>6.5</td>
</tr>
<tr>
<td>NURS 169</td>
<td>Gerontology-Community Nursing</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>8.50</td>
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</table>

**Spring Semester**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>NURS 168</td>
<td>Advanced Medical-Surgical Nursing IV</td>
<td>6.5</td>
</tr>
<tr>
<td>NURS 169</td>
<td>Gerontology-Community Nursing</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Units</td>
<td>8.50</td>
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</tbody>
</table>

Total Units: 38-39

1 Indicates courses required of LVNs

**Optional Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>NURS 190</td>
<td>Assessment Of Clinical Competence</td>
<td>0.5-2</td>
</tr>
<tr>
<td>NURS 194</td>
<td>Review And Update Of Nursing Skills</td>
<td>0.5</td>
</tr>
<tr>
<td>NURS 195</td>
<td>Success Strategies For Associate Degree Nursing Students</td>
<td>0.5</td>
</tr>
<tr>
<td>NURS 198</td>
<td>Diploma Nursing Credit</td>
<td>30</td>
</tr>
<tr>
<td>NURS 282</td>
<td>NCLEX Success</td>
<td>1</td>
</tr>
<tr>
<td>NURS 290</td>
<td>Work Experience-Associate Degree Nursing</td>
<td>1-4</td>
</tr>
<tr>
<td>NURS 295</td>
<td>Internship In Nursing</td>
<td>2-4</td>
</tr>
<tr>
<td>NURS 299</td>
<td>Independent Study In Nursing</td>
<td>1</td>
</tr>
</tbody>
</table>

1 See Department Chair for information

**Vocational Nursing (LVN), Certificate of Achievement (C)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>AH 120</td>
<td>Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>ECE 120</td>
<td>Child Growth and Development/ Educators</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>or PSY 140 Child Development</td>
<td></td>
</tr>
</tbody>
</table>

See Department Chair for information
Students who are not strong academically, have not been in the academic setting recently, have poor study skills, have a learning disability, or are ESL students would profit from enrolling in ENG 103 and a study skills course in addition to the courses listed above. Students are advised to update skills in mathematics and English by taking courses within one year of admission to the program.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>VN 160</td>
<td>Reading and Literacy Strategies for Nursing 1</td>
<td>3</td>
</tr>
<tr>
<td>or ENG 160</td>
<td>Reading and Literacy Strategies for Nursing</td>
<td></td>
</tr>
<tr>
<td>MATH 093</td>
<td>Nursing and Allied Health Math 2</td>
<td>1</td>
</tr>
<tr>
<td>BMS 100</td>
<td>The Human Body</td>
<td>4.8</td>
</tr>
<tr>
<td>or BMS 107 &amp; BMS 108</td>
<td>Human Anatomy and Human Physiology</td>
<td></td>
</tr>
</tbody>
</table>

First Semester

Special Note: CNA 101 (Certified Nursing Assistant) is a prerequisite to VN 131 which is required in the first semester of the program. Students may substitute the new Memory Care Program classes (CNA 105 and CNA 106) instead of CNA 101 as a prerequisite to VN 131. HE 201 is also a prerequisite for VN 131.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>VN 131</td>
<td>Foundation For Nursing Practice</td>
<td>5</td>
</tr>
<tr>
<td>VN 132</td>
<td>Principles of Nutrition and Care of Patient with Gastrointestinal Problems</td>
<td>3</td>
</tr>
<tr>
<td>VN 133</td>
<td>Foundation for Nursing Practice Lab</td>
<td>5.5</td>
</tr>
<tr>
<td>VN 134</td>
<td>Principles Of Administration Of Therapeutic Agents</td>
<td>2</td>
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</table>

Second Semester

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>VN 135</td>
<td>Understanding Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>VN 136</td>
<td>Genitourinary, Integumentary and Endocrine Disorders</td>
<td>3.5</td>
</tr>
<tr>
<td>VN 137</td>
<td>Basic Medical-Surgical Nursing Lab</td>
<td>4.6</td>
</tr>
<tr>
<td>VN 138</td>
<td>Nursing Process Applied to Childbearing Family</td>
<td>1.5</td>
</tr>
<tr>
<td>VN 139</td>
<td>Nursing Process Applied To Care Of Children</td>
<td>2</td>
</tr>
<tr>
<td>VN 140</td>
<td>Maternal and Child Nursing Lab</td>
<td>1.9</td>
</tr>
</tbody>
</table>

Third Semester

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>VN 141</td>
<td>Cardiovascular and Respiratory Problems</td>
<td>3.5</td>
</tr>
<tr>
<td>VN 142</td>
<td>Perception And Mobility Problems</td>
<td>4</td>
</tr>
<tr>
<td>VN 144</td>
<td>Preparation For Vocational Nursing Practice</td>
<td>1.5</td>
</tr>
<tr>
<td>VN 145</td>
<td>Integrated Medical-Surgical Nursing Lab</td>
<td>5.75</td>
</tr>
<tr>
<td>VN 146</td>
<td>Introduction to Mental Health Nursing</td>
<td>1</td>
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</table>

Total Units: 54.75-58.75

Complete each nursing theory course with a minimum grade of "C" and a "Pass" grade in clinical courses. Candidates for a Certificate of Achievement are required to complete at least 35% of the department requirements through SBCC.

Learning Outcomes

1. Take and pass the licensure exam function within the scope of practice of LVN as outlined by the Californian Board of Vocational Nurses.
2. Practice within professional and legal standards, ethical principles and demonstrate sensitivity to the cultural differences of patients
3. Apply the nursing process by collaboratively assessing, planning, implementing and evaluating nursing care and teaching maintenance of health and prevention of disease apply principles of oral, written and verbal communication to convey relevant, accurate and complete information.
4. Provide compassionate holistic nursing care by maintaining patients’ psychological safety and acting as a patient advocate

Vocational Nursing (VN), Associate in Science (AS)

Requirements

The Associate Degree will be awarded upon completion of department and college requirements.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>VN/ENG 160</td>
<td>Reading and Literacy Strategies for Nursing 1</td>
<td>3</td>
</tr>
<tr>
<td>MATH 093</td>
<td>Nursing and Allied Health Math 2</td>
<td>1</td>
</tr>
<tr>
<td>BMS 100</td>
<td>The Human Body</td>
<td>4.8</td>
</tr>
<tr>
<td>or BMS 107 &amp; BMS 108</td>
<td>Human Anatomy and Human Physiology</td>
<td></td>
</tr>
<tr>
<td>VN 131</td>
<td>Foundation For Nursing Practice</td>
<td>5</td>
</tr>
<tr>
<td>VN 132</td>
<td>Principles of Nutrition and Care of Patient with Gastrointestinal Problems</td>
<td>3</td>
</tr>
<tr>
<td>VN 133</td>
<td>Foundation for Nursing Practice Lab</td>
<td>5.5</td>
</tr>
<tr>
<td>VN 134</td>
<td>Principles Of Administration Of Therapeutic Agents</td>
<td>2</td>
</tr>
<tr>
<td>VN 135</td>
<td>Understanding Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>VN 136</td>
<td>Genitourinary, Integumentary and Endocrine Disorders</td>
<td>3.5</td>
</tr>
<tr>
<td>VN 137</td>
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<tr>
<td>VN 138</td>
<td>Nursing Process Applied to Childbearing Family</td>
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<tr>
<td>VN 139</td>
<td>Nursing Process Applied To Care Of Children</td>
<td>2</td>
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<td>VN 140</td>
<td>Maternal and Child Nursing Lab</td>
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</tr>
<tr>
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<td>VN 142</td>
<td>Perception And Mobility Problems</td>
<td>4</td>
</tr>
<tr>
<td>VN 144</td>
<td>Preparation For Vocational Nursing Practice</td>
<td>1.5</td>
</tr>
</tbody>
</table>

1 A qualifying score on SBCC math placement test (placement into MATH 107 or higher) will also satisfy this requirement.
2 A qualifying score on the TEAS reading exam will also satisfy this requirement.
**Graduation Requirements**

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 [http://www.sbcc.edu/apply/degrees_certificates.php](http://www.sbcc.edu/apply/degrees_certificates.php) for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

**Learning Outcomes**

1. Take and pass the licensure exam function within the scope of practice of LVN as outlined by the Californian Board of Vocational Nurses.
2. Practice within professional and legal standards, ethical principles and demonstrate sensitivity to the cultural differences of patients.
3. Apply the nursing process by collaboratively assessing, planning, implementing and evaluating nursing care and teaching maintenance of health and prevention of disease apply principles of oral, written and verbal communication to convey relevant, accurate and complete information.
4. Provide compassionate holistic nursing care by maintaining patients’ psychological safety and acting as a patient advocate.

**Recommended Sequence**

*For your individualized student education plan, please see an academic counselor. More information on the Support Services (p. 31) page.*

These courses are not required but may aid in preparing a student for the program:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>AH 120</td>
<td>Medical Terminology</td>
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<tr>
<td>PSY 140</td>
<td>Child Development</td>
<td>3</td>
</tr>
<tr>
<td>or ECE 120</td>
<td>Child Growth and Development/Educators</td>
<td></td>
</tr>
</tbody>
</table>

Students who are not strong academically, have not been in the academic setting recently, have poor study skills, have a learning disability, or are ESL students would profit from enrolling in ENG 103 and a study skills course in addition to the courses listed above. Students are advised to update skills in mathematics and English by taking courses within one year of admission to the program.
SOCIOLOGY

Program Description
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. Few disciplines are as broad in scope and relevance as is sociology. 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 goal of the Sociology Program at Santa Barbara City College is to prepare students to deal with their own everyday life, as well as to meet the greater challenges of membership in the larger society. Sociology can contribute to the personal development of students, while also encouraging active and informed participation in the social and cultural life of their communities. Students can learn to transcend limited, culturally bound understandings to arrive at deeper insights into themselves and others, and to create positive change in the world in which they live. Sociology is oriented toward stimulating the curiosity and intellects of those interested in academic fields, as well as toward building the skills and understandings necessary for success in a wide range of professional fields. Students majoring in sociology have established careers in such areas as law and government, urban planning, business administration, social welfare, health and education, counseling and human resources, advertising and marketing, public relations and the media, and the nonprofit sector.

The Sociology Department at Santa Barbara City College currently offers an AA Degree in Sociology which provides students with the foundational knowledge in sociological theory, research and methods and prepares them to make a successful transition into a baccalaureate degree in sociology at any four-year institution. In addition, the Sociology Department offers an AA-T Degree in Sociology for Transfer. This degree will provide the foundational knowledge in sociology to students who want to earn a baccalaureate degree in sociology. This degree is in compliance 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) 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. 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. For the latest information about transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

For more information on the department, visit http://www.sbcc.edu/sociology/

Planning a Program of Study
As a general rule it is recommended that students begin their study of sociology by taking Introduction to Sociology (SOC 101 Introduction To Sociology or SOC 101H Introduction to Sociology, Honors), though the required courses for the major may be taken in any order. A student planning to major in Sociology should take the two core classes (SOC 101 Introduction To Sociology and SOC 104 Social Psychology) and at least three of the more specialized courses in the discipline (SOC 103 Marriage, Family and Intimacy, SOC 105 Sociology of Deviance, SOC 109 Social Problems, SOC 113 Sociology Of Sex and Gender, SOC 115 Introduction To Social Research or SOC 118 Media, Culture and Society). In addition, they are required to take one course in Anthropology (ANTH 103 Introduction To Cultural Anthropology) and one in Philosophy (PHIL 100 Introduction To Philosophy). Students in the major are also encouraged to become familiar with other related behavioral and social science disciplines.

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 sheets for majors, outlining transfer requirements, are available in the Counseling and Transfer Centers.

Honors and Awards
The Sociology Department selects one student majoring in the discipline as the Outstanding Student in Sociology for the year, to be honored at the annual Santa Barbara City College Award Banquet. Selection is made by the faculty, based on academic excellence in sociology and contribution to the department, college and/or community.

Programs of Study
Credit Programs
- Sociology, Associate in Arts (AA) (p. 362)
- Sociology, Associate in Arts for Transfer (AA-T) (p. 363)

Sociology, Associate in Arts (AA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101</td>
<td>Introduction To Sociology</td>
<td>3-4</td>
</tr>
<tr>
<td>or SOC 101H</td>
<td>Introduction to Sociology, Honors</td>
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</tr>
<tr>
<td>SOC 104</td>
<td>Social Psychology</td>
<td>3</td>
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<tr>
<td>Select three courses from the following:</td>
<td></td>
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</tr>
<tr>
<td>SOC 103</td>
<td>Marriage, Family and Intimacy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 106</td>
<td>Sociology of Deviance</td>
<td></td>
</tr>
<tr>
<td>SOC 109</td>
<td>Social Problems</td>
<td></td>
</tr>
</tbody>
</table>
Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Sociology, Associate in Arts for Transfer (AA-T)

Requirements

The Associate in Arts degree in Sociology for Transfer provides students with the foundational knowledge in Sociology to make a successful transition into a Baccalaureate Degree in Sociology at any of the CSU campuses.

Degree Requirements

Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns

- Intersegmental General Education Transfer Curriculum “IGETC” for CSU (37 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major

Complete 18-23 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student’s major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
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<th>Code</th>
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<tr>
<td>SOC 101</td>
<td>Introduction To Sociology 1</td>
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<td>Introduction to Sociology, Honors</td>
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<tr>
<td>List A</td>
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<tr>
<td>PSY 150</td>
<td>Statistics for the Behavioral Sciences 1</td>
<td>6-7</td>
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<tr>
<td>or MATH 117</td>
<td>Elementary Statistics</td>
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<tr>
<td>or MATH 117H</td>
<td>Elementary Statistics, Honors</td>
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<tr>
<td>SOC 109</td>
<td>Social Problems 1</td>
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<tr>
<td>SOC 115</td>
<td>Introduction To Social Research 1</td>
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<td>List B</td>
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<tr>
<td>Any List A course not used above and/or</td>
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<tr>
<td>ETHS 101</td>
<td>The Immigrant Experience in the U.S. 1</td>
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<td>or ETHS 101H</td>
<td>The Immigrant Experience in the U.S., Honors 1</td>
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<tr>
<td>or HIST 114</td>
<td>The Immigrant Experience In The U.S. 1</td>
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<tr>
<td>or HIST 114H</td>
<td>The Immigrant Experience In The U.S., Honors 1</td>
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<td>ETHS 107</td>
<td>Racism In America 1</td>
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<tr>
<td>or SOC 107</td>
<td>Racism in America</td>
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</tr>
<tr>
<td>SOC 103</td>
<td>Marriage, Family and Intimacy 1</td>
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<tr>
<td>SOC 104</td>
<td>Social Psychology 1</td>
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<tr>
<td>or PSY 175</td>
<td>Social Psychology: Psychological Perspective</td>
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<tr>
<td>SOC 106</td>
<td>Sociology of Deviance 1</td>
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<tr>
<td>SOC 113</td>
<td>Sociology Of Sex and Gender 1</td>
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<td>List C</td>
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<td>Select one course from the following: 3-4</td>
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<td>Any List A or List B course not used above or:</td>
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<tr>
<td>AJ 101</td>
<td>Introduction To The Administration Of Justice 1</td>
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<tr>
<td>AJ 125</td>
<td>Introduction To Criminology 1</td>
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<tr>
<td>ANTH 103</td>
<td>Introduction To Cultural Anthropology 1</td>
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<tr>
<td>ANTH 109</td>
<td>Comparative World Cultures 1</td>
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<tr>
<td>ASAM 101</td>
<td>Comparative Asian-American History, 1849-1965 1</td>
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<tr>
<td>ASAM 102</td>
<td>Contemporary Asian-American History 1</td>
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<tr>
<td>BLST 101</td>
<td>The African-American In U.S. History To World War II 1</td>
<td></td>
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<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
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<tr>
<td>BLST 102</td>
<td>The African-American In U.S. History, From Civil Rights Movement To Present</td>
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<td>or BLST 102H</td>
<td>The African-American in U.S. History, from Civil Rights To Present, Honors</td>
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<tr>
<td>BLST 103</td>
<td>African-American Culture</td>
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<td>CHST 101</td>
<td>Mexican-American (Chicano) History In The U.S.</td>
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<tr>
<td>CHST 102</td>
<td>The Chicano And Latino In U.S. History, From The 1960’s To The Present</td>
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<tr>
<td>CHST 103</td>
<td>Mexican-American (Chicano) Culture</td>
<td>1</td>
</tr>
<tr>
<td>CHST 121</td>
<td>The Chicana And Other Latina Women</td>
<td>1</td>
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<tr>
<td>ECON 102</td>
<td>Macroeconomics</td>
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<tr>
<td>ERTH 142</td>
<td>Economic Geography</td>
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<td>or GEOG 105</td>
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<td>ETHS 121</td>
<td>Women Of Color In The U.S.</td>
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<td>GEOG 102</td>
<td>Human Geography</td>
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<td>HIST 102</td>
<td>History Of The U.S. Since 1865</td>
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<td>History Of The U.S. Since 1865, Honors</td>
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<td>HIST 104</td>
<td>History Of Western Civilization</td>
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<td>or HIST 113H</td>
<td>History Of Western Civilization: 1600 To Present, Honors</td>
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<td>HIST 108</td>
<td>World Civilization, 1550 To Present</td>
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<td>NATA 101</td>
<td>American Indian: Past And Present</td>
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<td>NATA 103</td>
<td>Native American Cultural Heritage</td>
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<tr>
<td>POLS 101</td>
<td>American Government And Politics</td>
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<td>POLS 121</td>
<td>International Politics</td>
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<td>or POLS 121H</td>
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<td>POLS 131</td>
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<td>POLS 132</td>
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<td>PSY 100</td>
<td>General Psychology</td>
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<td>PSY 120</td>
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<tr>
<td>SOC 118</td>
<td>Media, Culture and Society</td>
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</tr>
<tr>
<td>SOC 120</td>
<td>Introduction to Social Work</td>
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**Total Units**: 18.00-23.00

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## CSU-Transferable Electives

These courses fulfill an IGETC and/or CSU GE Breadth pattern requirement. Visit www.assist.org or http://articulation.sbcc.edu for a complete list of IGETC and CSU GE Breadth requirements.

Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to the CSU, visit www.assist.org (http://www.assist.org)).

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## Additional Graduation Requirements for AA-T in Sociology

- **Maintain a cumulative CSU-transferable GPA of 2.0.**
- **Residency Requirements**: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department (major) requirements in residence at SBCC.

## Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

## 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.
THEATRE ARTS

Program Description
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.

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 and are encouraged to take on increasing levels of responsibility. By the time they complete their Associate in Arts degrees, many of our students have appeared in roles in student showcases and/or Santa Barbara City College Theatre Group productions, served as crew heads and stage managers on specific productions, and designed or directed showcase performances. These experiences, combined with intensive classes in the various theatre arts disciplines, have contributed greatly to the success of those who have chosen to continue in theatre or related pursuits beyond City College—either through further study or by entering the job market directly.

For the liberal arts student, ample opportunities to participate in productions, either by performing or working behind-the-scenes, combined with the freedom to select courses in areas of interest, provide an exciting and enriching addition to their other studies.

The unique combination of state-of-the-art facilities, professional faculty and staff, and an active, respected production program make theatre studies at Santa Barbara City College worthy of any student’s consideration.

The department offers an AA-T Degree in Theatre Arts for Transfer. This degree provides the foundational knowledge in Theatre Arts to students who want to earn a Baccalaureate Degree in Theatre Arts. This degree is in compliance 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) 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.

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. For more information on transfer degrees, visit www.sb1440.org (http://www.sb1440.org).

For more information on the department, visit http://www.sbcc.edu/theatrearts/

**AA Degree Requirements**
The Theatre Arts Department encourages both part-time and full-time students to pursue one of the Associate in Arts degrees that are offered. Both full- and part-time students are strongly urged to consult with department faculty to plan the course sequence for their desired program, as some classes are not offered every semester.

**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, departmental adviser, and/or Theatre Arts faculty member before planning an academic program for transfer. Information sheets for majors, outlining transfer requirements, are available in the Counseling Center.

**Facilities and Staff**
Santa Barbara City College's programs are produced in the state-of-the-art Garvin Theatre and Jurkowitz Theatre, located on SBCC’s West Campus. Productions are constructed in well-equipped scene and costume studios located adjacent to the theatres. All production work is performed by students under the guidance of professional staff. Students are offered a variety of opportunities and practical experiences in all areas of theatre production.

**Special Offerings**
**The Theatre Group at SBCC**
The Theatre Group at SBCC is the production arm of the SBCC Theatre Arts Department. It seeks to further student education by providing a practical performance experience and by integrating full-time students, community talent and professional guest artist teachers into a productive family for mutual growth and professional and educational enrichment.

Contact the department faculty directly for information on upcoming events and/or contact the Theatre Department production office, (805) 965-0581, ext. 2376, to be added to our mailing list for upcoming performance opportunities.

Students involved in productions are required to commit themselves to a four- to six-week rehearsal and performance period.

Student actors/actresses enroll in the Santa Barbara City College Theatre Group production program, TA Workshop 141-144, by auditions for the individual performance/workshop activities. (Contact R. Michael Gros and/or Katie Laris.)

Technical Theatre students enroll by interview in TA 151 Theatre Production - TA 154 Theatre Production, Theatre Production. (Contact Ben Crop for the Scenic/Lighting Studio, and/or Clarice Hillebrand for the Costume/Make-up Studio.) Upon acceptance, students may enroll in from 0.5 to 2.0 units for each production assignment. No prior experience is required.

**Student Production Program**
All department production and performance activities are designed for student participation as actors, crew members, stage managers, assistant directors, etc.

Each Spring Semester, students in TA 215 Fundamentals Of Directing - Directing stage the Festival of One-Act Plays: six nights of student-directed, student-acted works.

Theatre students who have completed the bulk of their theatre studies at Santa Barbara City College and who have demonstrated superior commitment and accomplishment in their work are encouraged to propose independent production projects for departmental support. Upon approval by the departmental faculty and staff, such students may be given the opportunity to assume principal responsibility for the production and direction of a showcase production in the Jurkowitz...
Theatre and/or principal design responsibility for a Theatre Group production, showcase, or dance production. For more information, contact the Department Production Chair.

**Honors and Awards**

Each year, one student who has excelled both in academics and in his/her participation in the theatre production program, is selected by the theatre faculty and staff as the department’s “Outstanding Student of the Year” and is honored at a campus-wide event. Additional students are selected for honors in acting, theatre production, scenic production and costume. The names of all students so honored are permanently displayed in the Garvin Theatre lobby.

**Scholarships**

Numerous scholarships are available for new, continuing and completing theatre students. For specific information and application forms, contact the Financial Aid Office (SS-210).

**Programs of Study**

**Credit Programs**

- Theatre Arts, Associate in Arts (AA): General (p. 369)
- Theatre Arts, Associate in Arts (AA): Acting/Directing (p. 367)
- Theatre Arts, Associate in Arts (AA): Design/Lighting and/or Costuming/Makeup (p. 368)
- Theatre Arts, Associate in Arts for Transfer (AA-T) (p. 370)
- Acting, Level I, Skills Competency Award (SCA) (p. 366)
- Acting, Level II, Skills Competency Award (SCA) (p. 366)
- Introductory Costume Crafts and Design, Skills Competency Award (SCA) (p. 367)
- Technical Production, Skills Competency Award (SCA) (p. 367)
- Theatre Arts, Department Award (D) (p. 371)

**Acting, Level I, Skills Competency Award (SCA)**

**Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 111</td>
<td>Beginning Acting</td>
<td>3</td>
</tr>
<tr>
<td>TA 112</td>
<td>Intermediate Acting A</td>
<td>3</td>
</tr>
<tr>
<td>TA 136</td>
<td>Theatrical Makeup Techniques</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select a minimum of one unit from the following:</td>
<td>1</td>
</tr>
<tr>
<td>TA 141</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 142</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 143</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 144</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 256A</td>
<td>Contemporary Comedy in Performance</td>
<td></td>
</tr>
<tr>
<td>TA 256B</td>
<td>Contemporary Comedy in Performance</td>
<td></td>
</tr>
<tr>
<td>TA 256C</td>
<td>Contemporary Comedy in Performance</td>
<td></td>
</tr>
<tr>
<td>TA 256D</td>
<td>Contemporary Comedy in Performance</td>
<td></td>
</tr>
</tbody>
</table>

**Acting, Level II, Skills Competency Award (SCA)**

**Requirements**

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<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Select one course from the following:</td>
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<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
<td></td>
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<tr>
<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
<td></td>
</tr>
<tr>
<td>TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td></td>
</tr>
<tr>
<td>TA 114</td>
<td>Voice And Diction</td>
<td>3</td>
</tr>
<tr>
<td>TA 213</td>
<td>Intermediate Acting B</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Select a minimum of one unit from the following:</td>
<td>1</td>
</tr>
<tr>
<td>TA 141</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 142</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 143</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 144</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 256A</td>
<td>Contemporary Comedy in Performance</td>
<td></td>
</tr>
<tr>
<td>TA 256B</td>
<td>Contemporary Comedy in Performance</td>
<td></td>
</tr>
<tr>
<td>TA 256C</td>
<td>Contemporary Comedy in Performance</td>
<td></td>
</tr>
</tbody>
</table>

*Students must complete above courses with a grade of “C” or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.*

**Learning Outcomes**

1. 2. Analyze a play text in terms of dramatic structure, production and performance.

3. 2. Effectively use vocabulary, techniques and processes to act in or direct an affective public performance of a play.

4. 3. Effectively use basic technical theatre vocabulary and apply foundational theatre craft skills.

5. 4. The students will demonstrate at a beginning level of mastery the skills necessary to successfully compete in actor auditions.
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 299  Independent Study In Theatre Arts

Total Units  10.00

Students must complete above courses with a grade of "C" or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes
1. The students will demonstrate at an intermediate level of mastery the skills necessary to successfully compete in actor auditions.

Introductory Costume Crafts and Design, Skills Competency Award (SCA)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 120</td>
<td>Understanding Scenography</td>
<td>3</td>
</tr>
<tr>
<td>TA 131</td>
<td>Introduction To Costume Crafts</td>
<td>3</td>
</tr>
<tr>
<td>TA 134</td>
<td>Introduction To Costume Design</td>
<td>3</td>
</tr>
<tr>
<td>TA 136</td>
<td>Theatrical Makeup Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a minimum of one unit from the following: 1-2

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>TA 151</td>
<td>Theatre Production</td>
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</tr>
<tr>
<td>TA 152</td>
<td>Theatre Production</td>
<td></td>
</tr>
<tr>
<td>TA 153</td>
<td>Theatre Production</td>
<td></td>
</tr>
<tr>
<td>TA 154</td>
<td>Theatre Production</td>
<td></td>
</tr>
<tr>
<td>TA 145A</td>
<td>Stage Electrician</td>
<td></td>
</tr>
<tr>
<td>TA 146A</td>
<td>Theatrical Stage Carpentry Deck Crew</td>
<td></td>
</tr>
<tr>
<td>TA 149A</td>
<td>Production Assistant</td>
<td></td>
</tr>
<tr>
<td>TA 150A</td>
<td>Audio Technician in Production</td>
<td></td>
</tr>
</tbody>
</table>

Total Units  10.00-11.00

Students must complete above courses with a grade of "C" or higher or pass in all courses. Candidates for a Skills Competency Award are required to complete at least 20% of the department requirements through SBCC.

Learning Outcomes
The students will demonstrate at a beginning level of mastery the skills necessary to successfully enter the technical production fields in theater and related entertainment industries.

Theatre Arts, Associate in Arts (AA): Acting/Directing

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
<td></td>
</tr>
<tr>
<td>or TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td></td>
</tr>
<tr>
<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
<td></td>
</tr>
<tr>
<td>TA 111</td>
<td>Beginning Acting</td>
<td>3</td>
</tr>
<tr>
<td>TA 112</td>
<td>Intermediate Acting A</td>
<td>3</td>
</tr>
<tr>
<td>TA 114</td>
<td>Voice And Diction</td>
<td>3</td>
</tr>
<tr>
<td>TA 123</td>
<td>Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>TA 134</td>
<td>Introduction To Costume Design</td>
<td>3</td>
</tr>
<tr>
<td>TA 136</td>
<td>Theatrical Makeup Techniques</td>
<td>3</td>
</tr>
</tbody>
</table>

Select one course from the following: 0.5-2

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>TA 141</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 142</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 143</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 144</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 151</td>
<td>Theatre Production</td>
<td></td>
</tr>
</tbody>
</table>
Theatre Arts, Associate in Arts (AA): Design/Lighting and/or Costuming/Makeup

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Theatre Arts, Associate in Arts (AA): Design/Lighting and/or Costuming/Makeup

Requirements

Controlled Electives

Select 6 units from the following—not including courses taken to satisfy requirements above:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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</thead>
<tbody>
<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>or TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td></td>
</tr>
<tr>
<td>TA 116</td>
<td>Page to Performance: Readers’ Theatre</td>
<td></td>
</tr>
<tr>
<td>TA 120</td>
<td>Understanding Scenography</td>
<td></td>
</tr>
<tr>
<td>TA 121</td>
<td>Introduction To Stagecraft</td>
<td></td>
</tr>
<tr>
<td>TA 123</td>
<td>Stage Lighting</td>
<td></td>
</tr>
<tr>
<td>or TA 134</td>
<td>Introduction To Costume Design</td>
<td></td>
</tr>
<tr>
<td>TA 131</td>
<td>Introduction To Costume Crafts</td>
<td></td>
</tr>
<tr>
<td>TA 175</td>
<td>Summer Theatre Workshop (^1)</td>
<td></td>
</tr>
<tr>
<td>TA 213</td>
<td>Intermediate Acting B</td>
<td></td>
</tr>
<tr>
<td>TA 214</td>
<td>Advanced Acting</td>
<td></td>
</tr>
<tr>
<td>TA 215</td>
<td>Fundamentals Of Directing</td>
<td></td>
</tr>
<tr>
<td>TA 218</td>
<td>Acting for the Camera</td>
<td></td>
</tr>
<tr>
<td>TA 267A</td>
<td>Acting Styles: Shakespeare</td>
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<td></td>
<td><strong>Total Units</strong></td>
<td><strong>30.50-32.00</strong></td>
</tr>
</tbody>
</table>

\(^1\) A maximum of 3 units from TA 175 Summer Theatre Workshop may be applied toward AA Degree.

Department Requirements

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>TA 103</td>
<td>Theatre Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
<td></td>
</tr>
<tr>
<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
<td></td>
</tr>
<tr>
<td>TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td></td>
</tr>
<tr>
<td>TA 111</td>
<td>Beginning Acting</td>
<td>3</td>
</tr>
<tr>
<td>TA 120</td>
<td>Understanding Scenography</td>
<td>3</td>
</tr>
<tr>
<td>TA 121</td>
<td>Introduction To Stagecraft</td>
<td></td>
</tr>
<tr>
<td>TA 131</td>
<td>Introduction To Costume Crafts</td>
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</tr>
<tr>
<td>TA 136</td>
<td>Theatrical Makeup Techniques</td>
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Select one from the following:

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
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</thead>
<tbody>
<tr>
<td>TA 151</td>
<td>Theatre Production</td>
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<tr>
<td>TA 153</td>
<td>Theatre Production</td>
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</tr>
<tr>
<td>TA 154</td>
<td>Theatre Production</td>
<td></td>
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Area A

Select a minimum of 1 unit from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>TA 145A</td>
<td>Stage Electrician</td>
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</tr>
<tr>
<td>TA 146A</td>
<td>Theatrical Stage Carpentry Deck Crew</td>
<td></td>
</tr>
<tr>
<td>TA 149A</td>
<td>Production Assistant</td>
<td></td>
</tr>
</tbody>
</table>
TA 150A Audio Technician in Production
TA 151 Theatre Production
TA 152 Theatre Production
TA 153 Theatre Production
TA 154 Theatre Production
TA 155A Costume Dresser In Production
TA 156A Production Make-up Assistant

Area B
Select 6 units from the following - not including courses taken to satisfy requirements above:

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<tr>
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<tbody>
<tr>
<td>ART 120</td>
<td>Fundamentals Of Drawing</td>
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<tr>
<td>ART 122</td>
<td>Advanced Drawing</td>
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<tr>
<td>ENG 242</td>
<td>Contemporary Dramatic Literature</td>
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<tr>
<td>TA 103</td>
<td>Theatre Appreciation</td>
</tr>
<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
</tr>
<tr>
<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
</tr>
<tr>
<td>TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
</tr>
<tr>
<td>TA 112</td>
<td>Intermediate Acting A</td>
</tr>
<tr>
<td>TA 114</td>
<td>Voice And Diction</td>
</tr>
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<td>TA 121</td>
<td>Introduction To Stagecraft</td>
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<tr>
<td>TA 123</td>
<td>Stage Lighting</td>
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<td>TA 124</td>
<td>Advanced Acting</td>
</tr>
<tr>
<td>TA 127</td>
<td>Scenic Design</td>
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<td>TA 134</td>
<td>Introduction To Costume Design</td>
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<tr>
<td>TA 160</td>
<td>Chicano Theatre</td>
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<tr>
<td>or CHST 160</td>
<td>Chicano Theatre</td>
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<tr>
<td>TA 175</td>
<td>Summer Theatre Workshop ¹</td>
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<tr>
<td>TA 213</td>
<td>Intermediate Acting B</td>
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<tr>
<td>TA 214</td>
<td>Advanced Acting</td>
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<td>TA 215</td>
<td>Fundamentals Of Directing</td>
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<tr>
<td>TA 227</td>
<td>Stage Electrician</td>
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</table>

Total Units 25.50-28.00

¹ A maximum of 3 units from TA 175 Summer Theatre Workshop may be applied toward AA Degree.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Theatre Arts, Associate in Arts (AA): General

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department Requirements</td>
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</tr>
<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>or TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>TA 111</td>
<td>Beginning Acting</td>
<td>3</td>
</tr>
<tr>
<td>TA 112</td>
<td>Intermediate Acting A</td>
<td>3</td>
</tr>
<tr>
<td>TA 120</td>
<td>Understanding Scenography</td>
<td>3</td>
</tr>
<tr>
<td>TA 121</td>
<td>Introduction To Stagecraft</td>
<td>3</td>
</tr>
<tr>
<td>or TA 131</td>
<td>Introduction To Costume Crafts</td>
<td></td>
</tr>
<tr>
<td>Controlled Electives</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select 6 units from the following—not including courses taken to satisfy requirements above:</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>ENG 242</td>
<td>Contemporary Dramatic Literature</td>
<td></td>
</tr>
<tr>
<td>or ENG 262</td>
<td>Shakespeare</td>
<td></td>
</tr>
<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
<td></td>
</tr>
<tr>
<td>or TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td></td>
</tr>
<tr>
<td>TA 114</td>
<td>Voice And Diction</td>
<td></td>
</tr>
<tr>
<td>TA 116</td>
<td>Page to Performance: Readers’ Theatre</td>
<td></td>
</tr>
<tr>
<td>TA 121</td>
<td>Introduction To Stagecraft</td>
<td></td>
</tr>
<tr>
<td>TA 123</td>
<td>Stage Lighting</td>
<td></td>
</tr>
<tr>
<td>TA 131</td>
<td>Introduction To Costume Crafts</td>
<td></td>
</tr>
<tr>
<td>TA 136</td>
<td>Theatrical Makeup Techniques</td>
<td></td>
</tr>
<tr>
<td>TA 160</td>
<td>Chicano Theatre</td>
<td></td>
</tr>
<tr>
<td>or CHST 160</td>
<td>Chicano Theatre</td>
<td></td>
</tr>
<tr>
<td>TA 175</td>
<td>Summer Theatre Workshop ¹</td>
<td></td>
</tr>
<tr>
<td>TA 213</td>
<td>Intermediate Acting B</td>
<td></td>
</tr>
<tr>
<td>TA 214</td>
<td>Advanced Acting</td>
<td></td>
</tr>
<tr>
<td>or TA 215</td>
<td>Fundamentals Of Directing</td>
<td></td>
</tr>
<tr>
<td>Select a minimum of 1 unit from the following:</td>
<td>1-2</td>
<td></td>
</tr>
<tr>
<td>TA 141</td>
<td>Theatre Workshop</td>
<td></td>
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<tr>
<td>TA 142</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 143</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 144</td>
<td>Theatre Workshop</td>
<td></td>
</tr>
<tr>
<td>TA 145A</td>
<td>Stage Electrician</td>
<td></td>
</tr>
<tr>
<td>TA 146A</td>
<td>Theatrical Stage Carpentry Deck Crew</td>
<td></td>
</tr>
<tr>
<td>TA 149A</td>
<td>Production Assistant</td>
<td></td>
</tr>
<tr>
<td>TA 150A</td>
<td>Audio Technician in Production</td>
<td></td>
</tr>
</tbody>
</table>

¹ A maximum of 3 units from TA 175 Summer Theatre Workshop may be applied toward AA Degree.
Theatre Production

TA 151  
TA 152  
TA 153  
TA 154  
TA 175  
TA 256A  
TA 256B  
TA 256C  
TA 256D  

Total Units  25.00-26.00

1  A maximum of 3 units from TA 175 Summer Theatre Workshop may be applied toward AA Degree.

Graduation Requirements

The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Theatre Arts, Associate in Arts for Transfer (AA-T)

Requirements

Theatre Arts 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 Theatre 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 Degree in Theatre Arts for Transfer will provide the foundational knowledge to students who want to earn a Baccalaureate Degree in Theatre Arts at any of the CSU campuses.

Degree Requirements

Complete 60 CSU-transferable units including General Education, major requirements and CSU-transferable electives as follows:

General Education

Complete one of the following patterns:

- Intersegmental General Education Transfer Curriculum "IGETC" for CSU (38 semester units)
- California State University General Education Breadth pattern (40 semester units)

Major

Complete 18 units as outlined below with a “C” or better in each course. Pass/No Pass grading is not permitted in a course within a student's major area of study. The courses completed for the major may also be used to fulfill General Education areas on the IGETC or the CSU GE Breadth.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 103</td>
<td>Theatre Appreciation ¹</td>
<td>3</td>
</tr>
<tr>
<td>or TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
<td></td>
</tr>
<tr>
<td>TA 111</td>
<td>Beginning Acting ¹</td>
<td>3</td>
</tr>
</tbody>
</table>

Rehearsal and Performance Production or Technical Theatre in Production

Select 3 units from the following: 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 141</td>
<td>Theatre Workshop</td>
</tr>
<tr>
<td>TA 142</td>
<td>Theatre Workshop</td>
</tr>
<tr>
<td>TA 143</td>
<td>Theatre Workshop</td>
</tr>
<tr>
<td>TA 144</td>
<td>Theatre Workshop</td>
</tr>
<tr>
<td>TA 145A</td>
<td>Stage Electrician</td>
</tr>
<tr>
<td>TA 146A</td>
<td>Theatrical Stage Carpenter Deck Crew</td>
</tr>
<tr>
<td>TA 149A</td>
<td>Production Assistant</td>
</tr>
<tr>
<td>TA 150A</td>
<td>Audio Technician in Production</td>
</tr>
<tr>
<td>TA 151</td>
<td>Theatre Production</td>
</tr>
<tr>
<td>TA 152</td>
<td>Theatre Production</td>
</tr>
<tr>
<td>TA 153</td>
<td>Theatre Production</td>
</tr>
<tr>
<td>TA 154</td>
<td>Theatre Production</td>
</tr>
<tr>
<td>TA 155A</td>
<td>Costume Dresser In Production</td>
</tr>
<tr>
<td>TA 156A</td>
<td>Production Make-up Assistant</td>
</tr>
<tr>
<td>TA 256A</td>
<td>Contemporary Comedy in Performance</td>
</tr>
<tr>
<td>TA 256B</td>
<td>Contemporary Comedy in Performance</td>
</tr>
</tbody>
</table>
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
Select 6-9 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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 112</td>
<td>Intermediate Acting A</td>
<td>3</td>
</tr>
<tr>
<td>TA 120</td>
<td>Understanding Scenography 1</td>
<td>3</td>
</tr>
<tr>
<td>TA 121</td>
<td>Introduction To Stagecraft 1</td>
<td>3</td>
</tr>
<tr>
<td>TA 123</td>
<td>Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>TA 134</td>
<td>Introduction To Costume Design 1</td>
<td>3</td>
</tr>
<tr>
<td>TA 136</td>
<td>Theatrical Makeup Techniques 1</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 18.00

1 All of these courses fulfill an IGETC and/or a CSU GE Breadth pattern requirement. Visit www.assist.org (http://www.assist.org) or http://articulation.sbcc.edu for IGETC and CSU GE Breadth requirements.

CSU-Transferable Electives
Complete as many units as needed to reach a total of 60 CSU-transferable units (for a list of SBCC-transferable courses to CSU, visit www.assist.org (http://www.assist.org)).

Additional Graduation Requirements for AA-T in Theatre Arts
- Maintain a cumulative CSU-transferable GPA of 2.0.
- Residency Requirements: Candidates for an Associate Degree are expected to complete 15 semester units in residence at SBCC. Candidates for an Associate Degree are also expected to complete at least 20% of the department major requirements in residence at SBCC.

Graduation Requirements
The Associate Degree will be awarded upon completion of both department and college requirements. These include:

1. Complete all department requirements 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.
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 http://www.sbcc.edu/apply/degrees_certificates.php for a list of General Education options for each SBCC Associate Degree program;
3. Other graduation requirements as outlined on the Graduation Requirements (p. 72) page.

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.

Theatre Arts, Department Award (D) Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>TA 106</td>
<td>Development of Drama - Musical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>TA 108</td>
<td>Development Of Drama II: Restoration To Contemporary</td>
<td>3</td>
</tr>
<tr>
<td>TA 107</td>
<td>Development Of Drama: Greek To Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>TA 111</td>
<td>Beginning Acting</td>
<td>3</td>
</tr>
<tr>
<td>TA 112</td>
<td>Intermediate Acting A</td>
<td>3</td>
</tr>
<tr>
<td>TA 114</td>
<td>Voice And Diction</td>
<td>3</td>
</tr>
<tr>
<td>TA 120</td>
<td>Understanding Scenography 1</td>
<td>3</td>
</tr>
<tr>
<td>TA 121</td>
<td>Introduction To Stagecraft 1</td>
<td>3</td>
</tr>
<tr>
<td>TA 122</td>
<td>Theatre Graphics</td>
<td>3</td>
</tr>
<tr>
<td>TA 123</td>
<td>Stage Lighting</td>
<td>3</td>
</tr>
<tr>
<td>TA 134</td>
<td>Introduction To Costume Design 1</td>
<td>3</td>
</tr>
<tr>
<td>TA 136</td>
<td>Theatrical Makeup Techniques 1</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Units 24.00

Students must complete all department requirements for the award with a grade of “C” or better in each course.

Note: TA 107 Development Of Drama: Greek To Renaissance is offered in Fall Semester only; TA 106 Development of Drama - Musical Theatre
and TA 108 Development Of Drama II: Restoration To Contemporary are offered in alternating Spring Semesters only; TA 120 Understanding Scenography is offered in Fall Semester only; TA 123 Stage Lighting is offered usually in Spring Semester, alternate years; TA 214 Advanced Acting and TA 215 Fundamentals Of Directing are only offered in Spring Semester.

**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.
WATER SCIENCE

Program Description
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.

For more information on the department, visit http://www.sbcc.edu/waterscience/

Program Options
• Wastewater Technology Education
• Water Technology Education

Certificate Program
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.

Program Cost and Outcome
For planning purposes, the following webpages provide information on the cost of attendance, program length (assuming a student attends full-time), financing options and historical student completion rates:

Wastewater Collection Option
http://www.sbcc.edu/financialaid/gainfulemployment/Water%20Science%20Wastewater%20Collection%20Option.htm

Water Distribution Option
www.sbcc.edu/financialaid/gainfulemployment/Water%20Science%20WaterDistribution%20Option.htm

Wastewater Treatment Option
http://www.sbcc.edu/financialaid/gainfulemployment/Water%20Science%20Wastewater%20Treatment%20Option.htm

Water Technology Option
http://www.sbcc.edu/financialaid/gainfulemployment/Water%20Science%20WaterTechnology%20Option.htm

Programs of Study

Credit Programs
• Water Technology Education, Certificate of Achievement (C) (p. 373)
• Wastewater Technology Education, Certificate of Achievement (C) (p. 373)

Wastewater Technology Education, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
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<tbody>
<tr>
<td>WTRS 100</td>
<td>Basic Wastewater Treatment</td>
<td>3</td>
</tr>
<tr>
<td>WTRS 103</td>
<td>Pumps And Motors; Operation And Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>WTRS 105</td>
<td>Water Science Chemistry And Bacteriology</td>
<td>3</td>
</tr>
<tr>
<td>WTRS 113</td>
<td>Water And Wastewater Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>WTRS 117</td>
<td>Water and Wastewater Calculations</td>
<td>3-5</td>
</tr>
<tr>
<td>or MATH 095</td>
<td>Elementary Algebra</td>
<td></td>
</tr>
<tr>
<td>ERT 171</td>
<td>Introduction To Geographic Information Systems And Maps</td>
<td></td>
</tr>
<tr>
<td>ERTH 171</td>
<td>Introduction To Geographic Information Systems And Maps</td>
<td></td>
</tr>
<tr>
<td>WTRS 102</td>
<td>Water Systems Instrumentation And Controls</td>
<td></td>
</tr>
<tr>
<td>WTRS 111</td>
<td>Wastewater Collection</td>
<td></td>
</tr>
<tr>
<td>WTRS 116</td>
<td>Water And Wastewater Management/ Supervision</td>
<td></td>
</tr>
</tbody>
</table>

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.

Water Technology Education, Certificate of Achievement (C)

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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</thead>
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<tr>
<td>COMP 101</td>
<td>Introduction to Computer Applications</td>
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<td>WTRS 101</td>
<td>Water Distribution Systems</td>
<td>3</td>
</tr>
<tr>
<td>or WTRS 110</td>
<td>Basic Water Treatment</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Units</td>
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<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>WTRS 103</td>
<td>Pumps And Motors; Operation And Maintenance</td>
<td>3</td>
</tr>
<tr>
<td>WTRS 105</td>
<td>Water Science Chemistry And Bacteriology</td>
<td>3</td>
</tr>
<tr>
<td>WTRS 113</td>
<td>Water And Wastewater Hydraulics</td>
<td>3</td>
</tr>
<tr>
<td>WTRS 117</td>
<td>Water and Wastewater Calculations</td>
<td>3-5</td>
</tr>
<tr>
<td>or MATH 095</td>
<td>Elementary Algebra</td>
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</tbody>
</table>

Select two courses from the following: 5-6

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERTH 171</td>
<td>Introduction To Geographic Information Systems And Maps</td>
</tr>
<tr>
<td>or GEOG 171</td>
<td>Introduction To Geographic Information Systems And Maps</td>
</tr>
<tr>
<td>WTRS 101</td>
<td>Water Distribution Systems</td>
</tr>
<tr>
<td>WTRS 102</td>
<td>Water Systems Instrumentation And Controls</td>
</tr>
<tr>
<td>WTRS 106</td>
<td>Groundwater Production And Protection</td>
</tr>
<tr>
<td>WTRS 110</td>
<td>Basic Water Treatment</td>
</tr>
<tr>
<td>WTRS 112</td>
<td>Water Quality Protection And Cross Connection Control</td>
</tr>
<tr>
<td>WTRS 114</td>
<td>Advanced Wastewater Treatment</td>
</tr>
<tr>
<td>WTRS 116</td>
<td>Water And Wastewater Management/Supervision</td>
</tr>
</tbody>
</table>

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.

Complete all department requirements for the certificate 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.

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.
WORK EXPERIENCE

Program Description
Santa Barbara City College offers three types of Work Experience:

• General Work Experience
• General Work Experience: International
• Occupational Work Experience

General Work Experience
General Work Experience 290 A, B and C assists students to acquire good work habits, attitudes and career awareness in actual job settings. Units are based on the number of hours worked throughout the semester: For paid work, 1 unit = 75 hours, 2 units = 150 hours, 3 units = 225 hours. For volunteer work, 1 unit = 60 hours, 2 units = 120 hours, 3 units = 180 hours.

Internships and Volunteer Experience
Internships and volunteer experience can be a powerful career development tool. By participating in an internship students gain practical hands-on job experience, learn industry standards, and evaluate actual work environments. For paid internships, 1 unit = 75 hours, 2 units = 150 hours, 3 units = 225 hours. For volunteer internships, 1 unit = 60 hours, 2 units = 120 hours, 3 units = 180 hours. Students desiring to receive academic credit for internships and volunteer experience should sign up for WEXP 290A General Work Experience: Career Planning Skills.

Refer to individual departments for department-based internship opportunities and course listings.

General Work Experience: International
International Work Experience assists students to acquire desirable work habits in foreign job settings and to develop an understanding of the role of international business, the foreign country’s work habits, economy, labor laws and cultural/political factors that affect employment.

By satisfactorily completing the International Work Experience course, a student may earn up to six units per semester. Units are based on the number of hours worked throughout the semester: For paid work, 1 unit = 75 hours, 2 units = 150 hours, 3 units = 225 hours. For volunteer work, 1 unit = 60 hours, 2 units = 120 hours, 3 units = 180 hours.

Program/Student Expectations
For each semester that a student is enrolled in Work Experience, it is required that the student provide evidence of new or expanded responsibilities or learning opportunities beyond those experienced during previous employment.

Satisfactory completion of specific job-oriented learning objectives is required for determining the student’s progress and improvement of performance on the job.

Occupational Work Experience
This type of work experience combines on-the-job training with classroom instruction, enabling the student to acquire knowledge, skills and attitudes necessary to enter and/or progress in a chosen occupation. Class attendance in a regularly scheduled weekly coordinating class is required by some SBCC departments.

By satisfactorily completing the Occupational Work Experience course, a student may earn one to four (1-4) college units. A maximum of sixteen (16) such units may be applied as electives toward the 60 units required for an Associate in Arts or Science Degree.

Occupational Work Experience Prerequisites
An Occupational Work Experience class must be directly related to the student’s stated major and the college program in which he/she is enrolled.

Participating Faculty
Contact the chairperson or faculty adviser of the respective department offering Occupational Work Experience, as listed in this Catalog.

Occupational Majors Offering Work Experience
For Occupational Work Experience information, the student should contact the department chairperson or faculty adviser for the major in which he/she is interested, including:

• Addictive Disorders Counseling
• Automotive Service and Technology
• Business Administration
• Computer Applications and Office Management
• Computer Information Systems
• Cosmetology
• Culinary Arts
• Diagnostic Medical Sonography
• Drafting/CAD
• Early Childhood Education
• English as a Second Language
• Environmental Horticulture
• Finance
• Graphic Design and Photography
• Hotel Management
• Interior Design
• Journalism
• Justice Studies
• Marine Diving Technologies
• Medical Imaging Sciences
• Multimedia Arts and Technologies
• Nursing (ADN)
• Physical Education
• Professional Development Studies
• Real Estate
• Spanish

Occupational Counseling/Guidance
It is most important for a student to consult with the respective occupational department chairperson, counselor, or adviser before planning a program of study. See the faculty/staff listings for the appropriate department, as listed earlier in this Catalog.
Job Referral Services

The Career Center receives numerous job, Internship and volunteer postings from employers and organizations in the community. The center can provide referrals for part-time and full-time jobs and internships. The center maintains an online job referral system and sponsors an annual Job Fair, held every spring, that invites local employers and allows students to learn about career opportunities and to apply for job openings. Additional information about job referral is available at the Career Center, Student Services Building, Room 282, or call (805) 965-0581, ext. 2331.
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**ACCOUNTING (ACCT)**

**Credit Courses**

**ACCT 110 Introduction to Accounting (4 Units)**  
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.  
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 130 Payroll Accounting (4 Units)**  
Prerequisites: ACCT 110 or ACCT 230.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.  
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.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
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.  
Skills Advisories: Proficiency in Math 95.  
Hours: 54 (54 lecture)  
Review and application of accounting principles using QuickBooks computer 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 170 Accounting With MS Dynamics (2.5 Units)**  
Prerequisites: ACCT 110 or ACCT 230.  
Corequisites: COMP 170.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 1 or MATH 41.  
Hours: 45 (45 lecture)  
Introduction to Microsoft Dynamics, a computerized accounting application, widely used by small, medium and large-sized businesses and accounting firms. Topics include general ledger and payroll accounting, accounting applications for accounts receivable, accounts payable, fixed assets, inventory, payroll, income tax preparation, and financial statements.  
Transfer Information: CSU Transferable

**ACCT 215 Fundamentals Of Income Tax (4 Units)**  
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.  
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.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.  
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  
C-ID: ACCT 110.

**ACCT 240 Managerial Accounting (4 Units)**  
Prerequisites: ACCT 230.  
Course Advisories: ACCT 110.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.  
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  
C-ID: ACCT 120.

**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

**Noncredit Courses**

**ACCT NC001 Setting up QuickBooks for Small Business (0 Units)**  
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
ACCT NC002 Monthly Procedures using QuickBooks (0 Units)
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

ACCT NC003 Year End Procedures (0 Units)
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
**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

ADC 117 Motivational Interviewing (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Explores motivation-enhancing techniques in working with clients’ natural ambivalence to change addictive behaviors and make changes to increase participation in recovery and positive treatment outcomes.
Transfer Information: CSU Transferable

ADC 118 Relationships in Recovery (1 Unit)
Skills Advisories: Eligibility for English 110 or 110H.
Hours: 18 (18 lecture)
Examines the social associations, connections or affiliations between two or more people in the recovery process from chemical dependency. Topics include personal relationships, intimate relationships and professional relationships.
Transfer Information: CSU Transferable

ADC 119 Finding Your Authentic Voice (1 Unit)
Skills Advisories: Eligibility for English 110 or 110H.
Hours: 18 (18 lecture)
Orients counselors to the paradoxical treatment found in 12-step programs, emphasizing the necessity to develop awareness of personal process and authentic self through supported risk-taking. Singing to an audience begins the transformation of self-consciousness to full authentic presence.
Transfer Information: CSU 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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 127 Complementary Treatment: Auricular Acupuncture, Nutrition and Amino Acid Therapy (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Introduces modalities of complementary medicine for addictive disorders, including auricular acupuncture, oriental medicine, nutrition and amino acid therapy and their applications as effective treatment, exploring their efficacy and how they integrate with other treatment modalities.
Transfer Information: CSU Transferable

ADC 128 Introduction to the Twelve Steps of Alcoholics Anonymous (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Introduces the twelve steps of Alcoholics Anonymous as a basis for treatment of and a model for recovery from chronic addictive disorders. Topics include a history of the development and efficacy of the twelve steps.
Transfer Information: CSU Transferable

ADC 129 Emotional Balance and Mindfulness in Recovery (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: CSU Transferable

ADC 130 Diversity and Cultural Issues In Counseling: Identity, Expression and Addiction (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: CSU Transferable

ADC 131 Attitudes, Motivation and Behavior Change (3 Units)
Prerequisites: ADC 120.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: CSU Transferable

ADC 134 Co-Occurring Disorders II: Management and Treatment (3 Units)
Prerequisites: ADC 125.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduces management and treatment of persons with co-existing psychiatric and substance abuse disorders within chemical dependency treatment modalities. Includes pain management, utilizing 12-step programs, conflicts with such programs, working with families, integration of treatment, and treatment modalities.
Transfer Information: CSU Transferable

ADC 135 Eating Disorders I (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Examines the nature and dynamics of major eating disorders, including diagnostic criteria, physical and behavioral symptoms, risk factors, adaptive functions and appropriate referrals for treatment.
Transfer Information: CSU Transferable

ADC 136 Conflict Resolution (1 Unit)
Skills Advisories: Eligibility for English 110 or 110H.
Hours: 18 (18 lecture)
Explores conflict resolution and the necessary skills to deal with situations and individuals in conflict. Presents effective methods to resolve conflicts and disputes.
Transfer Information: CSU Transferable
ADC 138 Multiple Sexual Addictions (1 Unit)
Skills Advisories: Eligibility for English 110 or 110H.
Hours: 18 (18 lecture)
Reviews the psychological and physiological aspects of addictive sexual attitudes and behaviors, the rapid expansion of pornography, the range of sexual activities available on the Internet and the potential adverse consequences for users and their partners. Explores how addictions, compulsions and deprivations combine in a complex systemic problem called Addiction Interaction Disorder (AID).
Transfer Information: CSU Transferable

ADC 139 Introduction to Process Addictions (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 141 Integral Treatment Modalities (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Introduces emerging cognitive/neurological approaches to the treatment of addictive behaviors, examining the dynamic interplay between the physiology of the brain and the structures of the psyche, as affected by trauma and addiction.
Transfer Information: CSU Transferable

ADC 145 Prenatal Effects of Drugs and Alcohol (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Provides the skills to identify prenatal effects of drugs and alcohol; to intervene with pregnant women who may be abusing substances; to implement strategies and interventions to help affected individuals and their families; and to provide this vital information to those at high risk who may become pregnant.
Transfer Information: CSU Transferable

ADC 146 Substance Abuse Prevention (3 Units)
Course Advisories: ADC 120 and ADC 121.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 152 Clinical Process (3 Units)
Prerequisites: ADC 126.
Corequisites: ADC 290.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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
ADULT BASIC EDUCATION (ABE)

High School Courses

ABE 001 Skills Development I (0 Units)
Hours: 60 (60 lecture)
Skills Development I offers individualized, small group, and one-on-one tutoring instruction in basic literacy, writing fluency, math, computer literacy and applied life skills. Students who test below a high school level in reading and writing can work to bring their skills up to higher levels. Students may also work to improve reading and writing skills for career or personal goals. Open enrollment. No prerequisites. Course restricted to 98 repetitions

ABE 002 Skills Development II (0 Units)
Hours: 60 (60 lecture)
Skills Development II builds on skills acquired in Skills Development I by offering individualized, small group, and one-on-one tutoring instruction in reading, writing, mathematics, computer, test-taking, and academic study skills. Students who test below a high school level in reading, writing, and/or math can work to bring skills up to higher levels. Students may also work to improve reading, writing and math skills for career or personal goals. Open enrollment. No prerequisites. Course restricted to 98 repetitions

ABE 034 Basic Skills Enrichment (0 Units)
In a friendly, non-pressure atmosphere, brush up on reading, writing, spelling, math and other subjects. Whatever your current level is now, you can work at your own pace to develop the skills you need to reach your goals — whether it be earning a diploma, studying for the GED, working toward a job promotion, going back to college, helping your children with schoolwork, or just improving your reading, writing and math skills for your own satisfaction. Course restricted to 98 repetitions
High School Courses

HSBI 010 Marine Biology (5 Units)
Hours: 72 (72 lecture)
This text-based course will teach students about marine organisms, marine habitats, and global marine issues. This course will teach students about the characteristics of marine organisms as well as their role in their unique environments. This course will utilize scientific resources structured to give students a hands-on experience without having to leave the classroom. This course will address state science standards, state environmental principles, and state writing standards. Evaluation takes the form of review questions, critical thinking essays and examinations. Course restricted to 98 repetitions
Transfer Information: AHS - Science

HSBI 020 Oceanography (5 Units)
Hours: 72 (72 lecture)
This course covers the basics of oceanography, beginning with oceans, marine geological formations, currents and waves. Animal and plant life in the ocean is also covered with a discussion of ecological concerns and pollution. Additionally, the student is expected to explore a current scientific issue related to the course. Evaluation takes the form of tests based on presented material. Course restricted to 98 repetitions
Transfer Information: AHS - Science

HSBI 030 Biology (10 Units)
Hours: 144 (144 lecture)
This competency-based survey course will introduce students to the basic concepts necessary to understand the diversity and complexity of life on earth. Topics covered include the scientific method, the chemistry of living things, cell structure and function, genetics and heredity, evolution and adaptation, unicellular and multicellular organisms, human biology, and ecology. Text books will be supplemented with interactive, multimedia and software assignments. Evaluation takes the form of regular student-instructor conferencing, quizzes and a final exam. Course restricted to 98 repetitions
Transfer Information: AHS - Science
**ADULT HIGH SCHOOL COMPUTER APPLICATIONS (HSCA)**

**High School Courses**

HSCA 010 Learning Skills: PowerPoint (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office PowerPoint. Topics covered include formatting and designing slides, creating and presenting slideshow presentations, and using templates, sound effects and images. Software based quizzes and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSCA 020 Learning Skills: Access (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Access. Topics covered include designing and managing databases, using macros and queries to manage data, designing forms and creating reports. Software based quizzes, instructor conferencing and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSCA 030 Learning Skills: Outlook (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Outlook. Topics covered include designing and managing personal calendars and schedules, using and maintaining inboxes and contacts, and scheduling tasks. Software based quizzes, instructor conferencing and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSCA 040 Learning Skills: Excel (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Excel. Topics covered include designing and managing spreadsheets, using spreadsheets to manage data, and creating charts, graphs, formulas and functions. Software based quizzes, instructor conferencing and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSCA 050 Learning Skills: Word Basics (2 Units)
Hours: 30 (30 lecture)
Using Professor Teaches Software Tutorials, this competency-based course promotes an understanding of the skills necessary to take full advantage of Microsoft Office Word. Topics covered include document formatting and editing, creating tables and templates and collaborating on the production of documents. Software based quizzes and individualized final projects will measure skill mastery. This course is offered under Individualized Instruction and is open only to those seeking to complete a high school diploma in the SBCC Adult High School (AHS) program. Course restricted to 98 repetitions
Transfer Information: AHS - Elective
ADULT HIGH SCHOOL EARTH (HSEA)

High School Courses
HSEA 010 Earth Science (10 Units)
Hours: 144 (144 lecture)
This competency-based survey course in Earth science systematically covers the study of the solid Earth, its waters, atmosphere, and Earth’s place in the solar system. In geology, students will study the origin, history and structure of Earth and the processes that shape its surface. In oceanography, students will learn about the characteristics and dynamics of the Earth’s oceans and other waters. The section on meteorology will cover the atmosphere and its changing conditions, including weather and climate. The astronomy section studies the motions of our planet and objects outside of Earth. In relation to the other branches of Earth science, students will also study ecology. Course restricted to 98 repetitions
Transfer Information: AHS - Science
High School Courses

HSEC 010 Economics (5 Units)

Hours: 72 (72 lecture)
This competency-based course stresses conceptual knowledge of capitalism and the free enterprise system. Brief comparisons are made to other economic systems. Topics also include banking, government, industry and trade. Unit quizzes provide the teacher and student feedback about the student’s progress. At the end of each unit, the student will also write a short essay on issues-oriented topics. Post-tests for the assessment of competency are required. Course restricted to 98 repetitions
Transfer Information: AHS - Economics

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
ADULT HIGH SCHOOL
ENGLISH (HSEN)

High School Courses
HSEN 001 Reading and Composition 1 (10 Units)
Hours: 144 (144 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 001A Reading and Composition 1A (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 001B Reading and Composition 1B (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, stressing self-editing and regular teacher conferencing. Evaluation takes the form of writing portfolio assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 002 Reading and Composition 2 (10 Units)
Hours: 144 (144 lecture)
This literature based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 002A Reading and Composition 2A (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to incorporate sentences and well-developed paragraphs into 3-paragraph essays by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model to inspire student writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, stressing self-editing and regular teacher conferencing. Evaluation takes the form of writing portfolio assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 002B Reading and Composition 2B (5 Units)
Hours: 72 (72 lecture)
This literature-based course will develop students' ability to incorporate sentences and well-developed paragraphs into 3-paragraph essays demonstrating critical thought and basic literary analysis. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course utilizes processes known to enhance writing success, stressing self-editing and regular teacher conferencing. Evaluation takes the form of writing portfolio assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 003 Reading and Composition 3 (10 Units)
Hours: 144 (144 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 003A Reading and Composition 3A (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to incorporate sentences and well-developed paragraphs into 3-paragraph essays using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

HSEN 003B Reading and Composition 3B (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and reviews based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English
HSEN 003B Reading and Composition 3B (5 Units)
Hours: 72 (72 lecture)
This literature-based course will teach students how to compose sentences and well-developed paragraphs by using the same writing tools as the renowned authors of the stories in the text. The introduction of literature will assist students in developing reading and critical thinking skills and serve as a model of good writing. The course includes a review of language mechanics and grammar. It utilizes processes known to enhance writing success, including self-editing and teacher conferencing. Evaluation takes the form of writing assessment by the instructor and tests based on material presented. Course restricted to 98 repetitions
Transfer Information: AHS - English

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

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

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

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

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

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 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

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

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

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
ADULT HIGH SCHOOL HEALTH EDUCATION (HSHE)

High School Courses

HSHE 010 Health (5 Units)
Hours: 72 (72 lecture)
This course covers the following topics: nutrition for health and weight control; the roles of sleep, rest, and exercise in health; first aid; abuse of licit and illicit drugs; diseases and their prevention; and pollution and health. Students are evaluated on the basis of their responses to unit quizzes and Internet search projects. Course restricted to 98 repetitions
Transfer Information: AHS - Health
ADULT HIGH SCHOOL HISTORY (HSHI)

High School Courses

HSHI 020 World History: Modern Regions (5 Units)
Hours: 72 (72 lecture)
This competency-based course begins with an introduction to the use of primary sources in history and to methods and theories in historiography. Students examine the roles of anthropology, epistemology and politics in the study of history. The developments of nationalism and state formation, liberalism and modern politics are contextualized by close readings of primary source documents on the cultures, economics and politics of the regions of Latin America, Asia, Israel and Palestine, and Africa. Course restricted to 98 repetitions
Transfer Information: AHS - Social Science

HSHI 030 American History: Part 1 (5 Units)
Hours: 72 (72 lecture)
This competency-based course is the first half of a comprehensive survey of United States history. The course covers the political, social, cultural, and economic history of the US. It begins with an overview of the history of the American indigenous population before the arrival of European explorers, continuing through the colonization period. Focus is placed on the development of democratic ideals and institutions. The course continues with a history of Africans in America, their culture and contributions. Issues and events leading to the American Revolution, the effects of the war itself, and the creation and the content of the Constitution are covered. The course then moves on to industrialism and territorial expansion, exploring the problems and promise of these changes. Finally, the causes and consequences of the Civil War and Reconstruction era are discussed. This course develops skills in written expression, analysis, interpretation of maps and graphs, and critical thinking. Post-tests for measurement of mastery are utilized. Course restricted to 98 repetitions
Transfer Information: AHS - US History

HSHI 040 American History: Part 2 (5 Units)
Hours: 72 (72 lecture)
Course restricted to 98 repetitions
Transfer Information: AHS - US History

HSHI NC030 American History: Part 1 (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

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
ADULT HIGH SCHOOL
INDIVIDUALIZED
INSTRUCTION (HSII)

High School Courses

HSII 001 Individualized Instruction: All Subjects (2-10 Units)
Hours: 144 (144 lecture)
Offers individualized instruction in all high school subjects: reading comprehension, spelling, vocabulary and grammar development, writing, mathematics and more. Prepare for the diploma-program competency tests in reading, writing and mathematics, as well as for the GED tests. Earn high school credit for successful completion of courses. Open enrollment. Course restricted to 98 repetitions
Transfer Information: AHS - Independent Study

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
ADULT HIGH SCHOOL MATHEMATICS (HSMA)

High School Courses

HSMA 001 Math 1 (0 Units)
Hours: 144 (144 lecture)
Skills Development I offers individualized, small group, and one-on-one tutoring instruction in basic literacy, writing fluency, math, computer literacy, and applied life skills. Students who test below a high school level in reading and writing can work to bring their skills up to higher levels. Students may also work to improve reading and writing skills for career or personal goals. Open enrollment. No prerequisites. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

HSMA 010 Mathematics A: Whole Number Arithmetic (5 Units)
Hours: 72 (72 lecture)
This competency-based course reviews arithmetic, beginning with basic number concepts, like place value, ordinal value and estimation. The course also reviews the four basic operations with whole numbers and introduces problem-solving strategies and life skills and workplace math. Pretests for accurate placement and prescription, and post-tests for measurement of mastery are utilized. When taken in sequence with Mathematics B and Algebra/Geometry, this course prepares students for success in high school mathematics and in applying math to everyday life and work problems. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

HSMA 020 Mathematics B: Fractions, Decimals, Percent (5 Units)
Hours: 72 (72 lecture)
This competency-based course review computation and problem solving skills with decimals, fractions, and percents. Geometry (perimeter, area, volume), estimation, problem-solving strategies, like skills and workplace math are included. Pretest for accurate placement and prescription, and post-tests for measurement of mastery are utilized. When taken in sequence with Mathematics A and Algebra or Geometry, this course prepares students for passing the Adult High School competency tests, the GED math test, and success in high school mathematics and in applying math to everyday life and work problems. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

HSMA 030 Mathematics C: Pre-Algebra (5 Units)
Hours: 72 (72 lecture)
This competency-based course teaches problem solving strategies and their application in percent, ratio, proportion, measurement, and the use of formulas and equations. Students will learn basic geometry, graphing, probability, squares and roots. Students will learn to solve monomial equations and how to apply them. In the areas of ratios, proportions and percent, students will learn to calculate interest, commissions, discounts, and rates of increase, as well as apply ratio and proportion strategy to solve common travel and finance questions. Students will also be able to interpret graphs, charts, tables and meters. Pre-tests for accurate placement and post-tests for measurement of mastery are used for assessment. Successful completion of this course prepares a student for a high school algebra course. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

HSMA 040 Integrated Mathematics 2: Algebra (10 Units)
Hours: 144 (144 lecture)
This competency-based course stresses the appropriate use of problem-solving strategies. It builds upon previous math courses and life experience with review and by addressing algebraic concepts and expressions. Life skills and workplace math are integrated into the course assignments. Pretests for accurate placement and prescription, and post-tests for measurement of mastery are utilized. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

HSMA 050 Integrated Mathematics 3: Geometry (10 Units)
Hours: 144 (144 lecture)
This competency-based course builds skills in basic geometry, the study of measurements and relationships of lines, angles, plane figures and solid figures. Topics include the study of angles and triangles and the study of distance, area and volume. Skills developed include estimation, mental math, and calculator use. The topics and skills that are emphasized in this course are useful in many occupations, real-life problem-solving, and educational and vocational tests. Course restricted to 98 repetitions
Transfer Information: AHS - Mathematics

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 - Mathematics

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 - Mathematics
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
High School Courses

HSPD 010 Learning Skills: Note-Taking Strategies (1 Unit)
Hours: 15 (15 lecture)
This course will expand student's knowledge of note-taking techniques and purposes. Topics covered include basic functions of note taking, pre-reading strategies, The Cornell Method, clustering, and outlining. Students may attend a note taking workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 020 Learning Skills: Time Management (1 Unit)
Hours: 15 (15 lecture)
This course will help students manage time effectively and create healthier lifestyle patterns. Topics covered include scheduling and how to avoid cramming. Students may take the time management workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 030 Learning Skills: Learning Styles (1 Unit)
Hours: 15 (15 lecture)
This course will teach students to identify their personal learning styles and how to adapt them to dominant teaching styles. Topics covered include the Learning Styles Questionnaire, the four learning styles, and matching your learning style and strategies. Students may take the Learning Styles workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 040 Learning Skills: Test-Taking Skills (1 Unit)
Hours: 15 (15 lecture)
This course will build student test taking confidence by examining academic and emotional management techniques. Topics covered include test anxiety, test preparation, and strategies to use during the test and before turning in the test. Students may take the Test Taking Skills workshop and complete the assignments or complete the independent study module in lieu of attending a workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

HSPD 050 Learning Skills: Writing Skills (1 Unit)
Hours: 15 (15 lecture)
This interactive course will allow students to examine strategies for revising their writing at different stages of the writing process. Topics covered include assignment analysis, self-editing strategies, organizing your paper, and developing your thesis. Students may take the workshop and complete the assignments or complete the independent study module in lieu of attending a writing skills workshop. Course restricted to 98 repetitions
Transfer Information: AHS - Elective

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
ADULT HIGH SCHOOL POLITICAL SCIENCE (HSPS)

High School Courses

HSPS 020 Survey of U.S. Government (5 Units)
Hours: 72 (72 lecture)
This survey course of United States Government covers the core areas of U.S. Democracy and Politics and contextualizes them in terms of current events. Students also receive instruction on college readiness skills, including pre-reading and note-taking strategies. Competency in the subject matter is evaluated throughout the course with chapter tests and a final exam. Course restricted to 98 repetitions
Transfer Information: AHS- US Government

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
ADULT HIGH SCHOOL VISUAL DESIGN (HSVA)

High School Courses

HSVA 010 Visual Arts and Media Techniques/Art Studio (10 Units)
Hours: 72 (72 lecture)
This competency-based course promotes an understanding of visual arts and media techniques and the skills associated with composition and design to help students create art. In order to receive 10 units for the class, students will be expected to simultaneously enroll in an art studio course and/or produce a portfolio of artwork demonstrating their understanding of visual literacy and compositional techniques. Pre-tests and instructor conferencing will be utilized for accurate placement and prescription, and portfolio analysis will help measure skill mastery. Course restricted to 98 repetitions
Transfer Information: AHS - Arts/Human/FL

HSVA 020 Visual Arts and Media Techniques/Art Studio 1 (5 Units)
Hours: 72 (72 lecture)
Adult High School Diploma Program course provides an introduction to the visual arts, media techniques, and design skills to help students create art. Students will simultaneously take art studio courses and produce a portfolio of artwork demonstrating their understanding of visual arts and media techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Arts/Human/FL

HSVA 030 Visual Arts and Media Techniques/Art Studio 2 (5 Units)
Hours: 72 (72 lecture)
Adult High School Diploma Program course provides an introduction to visual literacy, media and skills associated with design to help students interpret the meaning of art. Students will simultaneously take art studio courses and produce a portfolio of artwork demonstrating their understanding of visual literacy and composition techniques. Course restricted to 98 repetitions
Transfer Information: AHS - Arts/Human/FL
High School Courses

HSWH 010 World History: Early Civilization (5 Units)
Hours: 72 (72 lecture)
This competency-based course surveys ancient world history, examining human achievements in the Middle East, Mediterranean, Asian, African and Mesoamerican regions. The course closes with a focus on the conquest and colonization of Latin America to illustrate the ancient civilizations’ impact with modernity. Students are introduced to methods and theories in historiography before they are asked to critically read and write about primary sources pertinent to the histories of the civilizations in these regions. Course restricted to 98 repetitions
Transfer Information: AHS- World History

HSWH 020 World History: Modern Regions (5 Units)
Hours: 72 (72 lecture)
This competency-based course begins with an introduction to the use of primary sources in history and to methods and theories in historiography. Students examine the roles of anthropology, epistemology and politics in the study of history. The developments of nationalism and state formation, liberalism and modern politics are contextualized by close readings of primary source documents on the cultures, economics and politics of the regions of Latin America, Asia, Israel and Palestine, and Africa.
Transfer Information: AHS- World History
ALLIED HEALTH
(HEALTHCARE INTERPRETING
AND MEDICAL TERMINOLOGY)
(AH)

Credit Courses
AH 120 Medical Terminology (1 Unit)
Skills Advisories: Eligibility for ENG 103.
Hours: 18 (18 lecture)
Designed to provide 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

Noncredit Courses
AH NC005 Medical Assistant IA: Administrative and Clinical Skills Part One (0 Units)
Course Advisories: ENG 070.
Hours: 88 (88 lecture)
First of a two-part course 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 includes: infection control, vital signs, diagnostic tests, assisting with primary/family and specialties (surgery, OB/GYN, and pediatrics). English 70 recommended for success. Course restricted to 98 repetitions

AH NC006 Medical Assistant 1B: Administrative and Clinical Skills Part Two (0 Units)
Prerequisites: AH NC005.
Hours: 39 (39 lecture)
Second of a two-part course that prepares students to work as entry-level Medical Assistants. The Administrative (Front Office) component includes HIPAA and other legal regulations, medical records, patient reception, and appointment scheduling. Clinical (Back Office) instruction includes: infection control, vital signs, diagnostic tests, and assisting with primary/family and specialties (surgery, OB/GYN, and pediatrics). Course restricted to 98 repetitions

AH NC007 Medical Assistant II: Job Readiness & Field Work (0 Units)
Prerequisites: AH 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

AH 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

AH NC021 Personal Care Attendant II: Dementia and End-of-Life Care (0 Units)
Prerequisites: AH 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

AH NC030 Restorative Nurse Assistant Training - Introduction (0 Units)
Prerequisites: 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

AH NC031 Restorative Nurse Assistant Training - Advanced (0 Units)
Prerequisites: AH 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
American Ethnic Studies (ETHS)

Credit Courses

ETHS 101 The Immigrant Experience in the U.S. (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGETC Area 4C, IGETC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: ETHS 101/HIST 114 and ETHS 101H/HIST 114H combined: maximum credit, one course.
ETHS 101H The Immigrant Experience in the U.S., Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGETC Area 4C, IGETC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: ETHS 101/HIST 114 and ETHS 101H/HIST 114H combined: maximum credit, one course.
ETHS 102 The American Ethnic Cultural Experience (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Examine 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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable
ETHS 103 The American Ethnic Cultural Experience (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Examine 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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable
ETHS 104 Multicultural and Gender Studies (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable
ETHS 121 Women Of Color In The U.S. (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
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 122 Arab-American/Middle Eastern Women In The U.S. (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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, UC Transferable
UC Transfer Limit: ETHS 299 computed as Independent Studies, please see counselor.
AMERICAN SIGN LANGUAGE (ASL)

Credit Courses

ASL 101 Beginning American Sign Language I (5 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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.
Skills Advisories: Eligibility for English 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 145 Conversation Analysis: Independent Study (2 Units)
Prerequisites: ASL 103.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Students observe, analyze and discuss six specific aspects of ASL linguistics in natural use settings. Students rehearse and execute each linguistic aspect on video and analyze their work for linguistic and grammatical accuracy.
Transfer Information: CSU Transferable, UC Transferable

ASL 150 American Sign Language: Individual Skills Development (5 Units)
Corequisites: ASL 140.
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable
UC Transfer Limit: 101 and 101H combined: maximin credit, one course. C-ID: ANTH 110.

ANTH 101H Physical Anthropology, Honors (4 Units)
Limitations on Enrollment: Honors course.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable
UC Transfer Limit: 101 and 101H combined: maximin credit, one course. C-ID: ANTH 110.

ANTH 101L Physical Anthropology Laboratory (1 Unit)
Corequisites: ANTH 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
C-ID: ANTH 115L.

ANTH 102 Introduction To Archaeology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable
UC Transfer Limit: 102 and 102H combined: maximum credit, one course. C-ID: ANTH 150.

ANTH 102H Introduction to Archaeology, Honors (4 Units)
Limitations on Enrollment: Honors course.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable
UC Transfer Limit: 102 and 102H combined: maximum credit, one course. C-ID: ANTH 150.

ANTH 103 Introduction To Cultural Anthropology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable
UC Transfer Limit: ANTH 103, 121, 122, 123 combined: maximum credit, three units. C-ID: ANTH 120.

ANTH 104 Language and Culture (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable
C-ID: ANTH 130.

ANTH 109 Comparative World Cultures (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D1, IGETC Area 4A, CSU Transferable, UC Transferable
ANTH 110 Culture and Society Through Cartoons (3 Units)
Limitations on Enrollment: 12 units at SBCC with 2.5gpa, and 6 units in department with 3.0 gpa.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introductory course designed to examine belief systems of a wide variety of cultures around the world.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D0, IGETC Area 4A, CSU Transferable, UC Transferable

ANTH 121 Cultures Around The World: Asia and the Pacific (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Students study a variety of cultures from across Asia and the Pacific. Access course materials online, following study guides.
SBCC General Education: SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D1, CSU Transferable, UC Transferable
UC Transfer Limit: 103,121,122,123 combined: maximum credit 3 units.

ANTH 122 Cultures Around The World: The Americas (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Students study a variety of cultures from across the Americas. Access course materials online, following study guides.
SBCC General Education: SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D1, CSU Transferable, UC Transferable
UC Transfer Limit: 103,121,122,123 combined: maximum credit 3 units.

ANTH 123 Cultures Around The World: Africa and the Middle East (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Students study a variety of cultures from across Africa and the Middle East. Access course materials online, following study guides.
SBCC General Education: SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D1, CSU Transferable, UC Transferable
UC Transfer Limit: 103,121,122,123 combined: maximum credit 3 units.

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, UC Transferable
UC Transfer Limit: ANTH 299 computed as Independent Study; see counselor.
ARABIC (ARBC)

Credit Courses

ARBC 101 Beginning Modern Standard Arabic I (5 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable
ART (ART)

Credit Courses

ART 101 Visual Literacy (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGEC Area 3A, CSU Transferable, UC Transferable
C-ID: ARTH 100.

ART 102A Early Twentieth Century Art, 1900-1945 (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 102B Late Twentieth Century Art (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 103 History of Art, Prehistoric to Gothic (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
UC Transfer Limit: 103 and 103H combined: Maximum credit, one course.

ART 103H History of Art, Prehistoric to Gothic, Honors (3 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Survey of the history of Western art, its styles and cultural context, from the Renaissance 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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 104 History of American Art (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 104H History of American Art, Honors (3 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Introduction to the painting, 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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 105 History of Women in Art (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
ART 111 Survey Of Tribal Arts (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 112 Survey Of Pre-Columbian Art (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lecture)
Introduction to the art of Pre-Columbian Meso-America and Andean South America. Major monuments examined in their cultural contexts.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 113 Survey Of Architecture (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lecture)
Overview of architecture, structural systems and urban design, from ancient civilizations to the present day.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 114 History Of Photography (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 117 Career Practices in the Arts (3 Units)
Prerequisites: ART 120 and ART 140.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lecture)
Offers students the opportunity to gain knowledge of and practical experience in a variety of arts-related collegiate and work environments. Students will be able to build a portfolio and writing samples as well as seek advice from professionals working in field.
Transfer Information: 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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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, UC Transferable

ART 119 Investigating the Art World (2 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 72 (18 lecture, 54 lab)
Lecture, onsite and in-class investigation of the inner workings of museums, galleries, studios and other cultural institutions. Students will spend a concentrated amount of time in Los Angeles to gain insight into the inner workings of the contemporary art world.
Transfer Information: CSU Transferable

ART 120 Fundamentals Of Drawing (3 Units)
Hours: 90 (36 lecture, 54 lab)
Basic principles of drawing studied through the use of many media, with emphasis on dark and light, perspective and rendering.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

ART 121 Intermediate Drawing (3 Units)
Prerequisites: ART 120.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Study of formal and conceptual problems related to intermediate level drawing. Art criticism, theory, abstraction and contemporary concerns will be introduced. Primarily black and white media will be employed, with an introduction to color media.
Transfer Information: CSU Transferable, UC Transferable

ART 122 Advanced Drawing (3 Units)
Prerequisites: ART 120 and 121.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Basic course in drawing the figure, supported by study of artistic anatomy; emphasis on drawing as information-gathering; use of black and white media.
Transfer Information: CSU Transferable

ART 124A Classical Animation I (3 Units)
Course Advisories: ART 120 and ART 140.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
ART 124B Classical Animation II (3 Units)
Prerequisites: ART 124A.
Course Advisories: ART 120 and ART 140.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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

ART 127 Landscape Drawing (3 Units)
Prerequisites: ART 120.
Course Advisories: ART 101 and ART 140.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (54 lecture, 18 lab)
An in-depth study of drawing places and spaces. Students will work onsite in and around the Santa Barbara area as well as in the studio. Detailed studies will be achieved through various drawing exercises.
Transfer Information: CSU Transferable, UC Transferable

ART 130 Integrated Drawing and Painting (3.3 Units)
Prerequisites: ART 120 and ART 140 or ART 132.
Course Advisories: Art 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (54 lecture, 18 lab)
Studio course working with across the traditional borders of drawing and painting. Students will be given assignments focused on encouraging use of a variety of media, format and approach.
Transfer Information: CSUGE Area C1, CSU Transferable, UC Transferable

ART 131 Fundamentals Of Oil Painting (3 Units)
Prerequisites: ART 120 and ART 140.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Study of painting in the oil medium with additional emphasis on the painting process.
Transfer Information: CSU Transferable, UC Transferable

ART 132 Fundamentals Of Painting (3 Units)
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to the foundation elements of painting. Focus on developing bedrock craft, technical and theoretical skills.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Principles of more complex compositions using oil or acrylic medium, emphasizing the creative attitude and different techniques.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 135 Figure and Portrait Painting (3.3 Units)
Prerequisites: ART 132 or ART 140.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (54 lecture, 18 lab)
Painting course concentrating on the figure, portraiture and narrative painting incorporating the human form. Students will paint from a model, direct observation, drawing and photography.
Transfer Information: CSU Transferable, UC Transferable

ART 137 Advanced Painting (3 Units)
Prerequisites: ART 132.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 90 (36 lecture, 54 lab)
Exposes students to a variety of approaches and techniques of painting, while significantly increasing their exposure to contemporary and historical artists and ideas. A range of structured and open-ended assignments will be the dominant format of the course. 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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 3-D Design: Form And Space (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 144 4-D Art: Time-Based Media (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Explores issues and practices of time-based art: interactive and chance-derived work, installation, performance, video, sound, and digital media. Studio projects are combined with related critical theory and historical and emerging developments in the field.
Transfer Information: CSU Transferable, UC Transferable

ART 149 Intermediate 4-D Art: Time-Based Media (3 Units)
Prerequisites: Art 144.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 90 (36 lecture, 54 lab)
Intermediate level course exploring issues and practices of time-based art: interactive and chance-derived work, installation, performance, video, sound, and digital media.
Transfer Information: CSU Transferable, UC Transferable
ART 150 Fundamentals Of Ceramics (3 Units)
Course Advisories: ART 101 and ART 141.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Continuation of ART 151. Designed for students interested in developing a personal style in their work. Advanced wheel-throwing techniques, glaze application and formulation. Includes theory and practical application of kiln operation, electric and gas fired, oxidation and reduction.
Transfer Information: CSU Transferable, UC Transferable

ART 154 Ceramic Sculpture (3 Units)
Prerequisites: ART 141 and ART 150.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to three-dimensional and relief sculptural forms. Emphasis will be 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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 158 Advanced 4-D Art: Time-Based Media (3 Units)
Prerequisites: ART 149.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Advanced-level course exploring issues and practices of time-based art, interactive and chance-derived work, installation, performance, video, sound and digital media.
Transfer Information: CSU Transferable, UC Transferable

ART 170 Introduction To Sculpture (3 Units)
Course Advisories: ART 101 and ART 120 and ART 141.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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

ART 174 Beginning Bronze Casting (3 Units)
Prerequisites: ART 173.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to traditional bronze casting techniques, particularly the early stages of casting - wax working, gating, the investment processes, furnace procedures and metal pouring.
Transfer Information: CSU Transferable

ART 175 Intermediate Bronze Casting (3 Units)
Prerequisites: ART 174.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Focuses on the sculptural applications of casting. More challenging casting problems approached. Covers all steps of the process, but concentrates on the later stages of casting - metal pouring, divestment, chasing, finish and patination.
Transfer Information: CSU Transferable
ART 176 Advanced Bronze Casting (3 Units)
Prerequisites: ART 175.
Course Advisories: ART 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to advanced bronze casting techniques. Focuses on the conceptual territory of the medium.
Expansion of the silkscreen processes covered in ART 193. Expands 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 177 Beginning Aluminum Casting (3 Units)
Prerequisites: ART 173.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to aluminum casting techniques used in the formal development of a sculptural image. Covers all steps of the process, but concentrates on the early stages of casting-mold making, wax working, gating, investment processes, furnace procedures and metal pouring.
Transfer Information: CSU Transferable

ART 179 Advanced Aluminum Casting (3 Units)
Prerequisites: ART 177.
Hours: 90 (36 lecture, 54 lab)
Transfer Information: CSU 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 189 Introduction to Exhibition Practices (3 Units)
Course Advisories: ART 101, ART 140, ART 141.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
Hours: 72 (45 lecture, 27 lab)
Provides an introduction to exhibition practices for both gallerists and artists including the basic skills of exhibition planning (from proposal to design), installation (hanging, lighting, labeling), marketing, and budgeting. Gallery practicum and field trips are required.
Transfer Information: CSU Transferable

ART 190 Introduction to Printmaking (3 Units)
Course Advisories: ART 101 and/or ART 120 ART 140.
Skills Advisories: Eligibility for ENG 98 and 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and 103.
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.
Skills Advisories: Eligibility for ENG 98 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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 198 Artists' Books (3 Units)
Course Advisories: ART 102A and ART 140.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Studio theory and practice of making small-edition multiple and unique artists' books.
Transfer Information: CSU Transferable

ART 199 Collage (3 Units)
Course Advisories: ART 102A and ART 140.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Investigation of collage as a contemporary fine art medium. Techniques explored in a variety of assignments that use scavenged, found and appropriated materials. Lectures explain the development and spread of collage and demonstrate its importance in the art of the 20th and 21st centuries.
Transfer Information: CSU Transferable, UC Transferable

ART 210 Survey Of Renaissance And Baroque Art (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 211 Nineteenth Century Art (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 215 Survey Of Non-Western Art (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 216 Survey Of Islamic Art And Architecture (3 Units)
Skills Advisories: Eligibility for ENG 100 or 103 or 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

ART 299 Independent Study In Art (1-4 Units)
Limitations on Enrollment: 6 units of Art courses completed with a 3.0 or higher G.P.A.; minimum of 12 units of course work complete at SBCC, with G.P.A. of at least 2.5.
Skills Advisories: Eligibility for ENG 110 or 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 with faculty sponsor required. Course may be taken for one to four units of credit; each unit of credit requires student to devote approximately three hours per week to his/her project.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ART 299 computed as Independent Study; see counselor.

Noncredit Courses

ART NC146 Intermediate and Advanced Painting: For Older Adults (0 Units)
Hours: 30 (10 lecture, 20 lab)
Older adult students concentrate on composition, simplification of subject and presentation. Students are encouraged to bring to class new ideas, works in progress or rework older paintings. Class is structured as a semi-tutorial open studio atmosphere. Course restricted to 90 repetitions

ART NC585 Art Experiences and Conversations: For Older Adults (0 Units)
Hours: 12 (12 lecture)
Older adult students practice self-expression by viewing works of art and discussing basic art principles. Students familiarize themselves with the work of a number of artists by viewing prints of the artwork, then express their feelings discussing the prints and the artist's background. Discussion topics include art principles such as color, line and shape, and recollections and associations about art, history and life. Course restricted to 98 repetitions
ASIAN-AMERICAN STUDIES (ASAM)

Credit Courses

ASAM 101 Comparative Asian-American History, 1849-1965 (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Comparative analysis 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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSU US-1, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable

ASAM 102 Contemporary Asian-American History (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable
AUTOMOTIVE SERVICE AND TECHNOLOGY (AUTO)

Credit Courses

AUTO 101 Introduction To Auto Mechanics (3 Units)
Skills Advisories: Eligibility for ENG 103.
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 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 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. The basic operating systems covered are the cooling, brake, steering, suspension, drivetrain, and air conditioning systems.
Transfer Information: CSU Transferable

AUTO 103 Introduction to Auto Mechanics (3 Units)
Hours: 90 (36 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 104 Fundamentals of Auto Servicing (3 Units)
Course Advisories: AUTO 101, concurrently.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introductory lecture/lab course covering maintenance and diagnostic procedures used in the automotive service industry. Emphasis will be on utilization, under hood and undercar inspections, electrical systems service, fuel and ignitions systems service, and computer control diagnosis.
Transfer Information: CSU Transferable

AUTO 110 Fundamentals Of Automotive Servicing (3 Units)
Course Advisories: AUTO 101, concurrently.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introductory lecture/lab course covering maintenance and diagnostic procedures used in the automotive service industry. Topics will include engine lubrication, under hood and undercar inspections, electrical systems service, fuel and ignitions systems service, and computer control diagnosis.
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. Topics will include cooling system service, brake tire and wheel service, suspension and steering service, and drivetrain service.
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 will 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)
Course Advisories: AUTO 101 and AUTO 110.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 216 (81 lecture, 135 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)
Course Advisories: AUTO 101 and AUTO 110.
Skills Advisories: Eligibility for ENG 103.
Hours: 144 (54 lecture, 90 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)
Course Advisories: AUTO 101 and 110.
Skills Advisories: Eligibility for English 98 and 103.
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)
Prerequisites: AUTO 111.
Course Advisories: AUTO 101 and AUTO 110.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 216 (81 lecture, 135 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.
Transfer Information: CSU Transferable

AUTO 115 Automotive Electricity (7 Units)
Prerequisites: AUTO 101, concurrently.
Skills Advisories: Eligibility for ENG 103;
proficiency in MATH 1.
Hours: 216 (81 lecture, 135 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)
Course Advisories: AUTO 101 and AUTO 110.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 216 (81 lecture, 135 lab)
Principles of engine performance diagnosis and maintenance, ignition, and emission controls. Drivability, vehicle emissions, and fuel economy concerns will also be addressed. Lab study includes engine condition testing, ignition system testing, emission testing and electronic scan tools.
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 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)
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 (2 Units)
Hours: 36 (36 lecture)
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 300 (300 lab)
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
SBCC General Education: SBCCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for BIOMD 100 if taken after BIOMD 107 or 108 or 109; BIOMD 100, 107, 108, 109, and 146 combined: maximum credit, two courses.
BMS 107 Human Anatomy (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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. Satisfies SBCC General Education requirement in Natural Sciences. Satisfies Anatomy and Physiology requirements for SBCC LVN program. Does not satisfy requirements for ADN majors.
SBCC General Education: SBCCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for BIOMD 100 if taken after BIOMD 107 or 108 or 109; BIOMD 100, 107, 108, 109, and 146 combined: maximum credit, two courses.
BMS 119A Human Dissection of the Head and Neck (1 Unit)
Prerequisites: BMS 107 with a minimum grade of B.
Hours: 54 (54 lab)
Directed dissection of the head and neck of the human cadaver. May be taken for one credit. This unit of credit requires 48 hours laboratory work per semester. Graded pass/no pass.
Transfer Information: CSU Transferable
BMS 119B Human Dissection of the Appendages (1 Unit)
Prerequisites: BMS 107 with a minimum grade of B.
Hours: 48 (48 lab)
Directed dissection of the appendages of the human cadaver. May be taken for one credit. This unit of credit requires 48 hours laboratory work per semester. Graded Credit/No Credit only.
Transfer Information: CSU Transferable
BMS 119C Human Dissection of the Torso (1 Unit)
Prerequisites: BMS 107 with a minimum grade of B.
Hours: 54 (54 lab)
Directed dissection of the external and internal structures of the torso of the human cadaver. May be taken for one credit. This unit of credit requires 48 hours laboratory work per semester.
Transfer Information: CSU 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 102.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
Surveys the microorganisms that contribute to human health and human disease. Biology of bacteria, viruses, fungi, prions, 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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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
C-ID: NUTR 110.
BMS 128L Human Nutrition Laboratory (1 Unit)
Corequisites: BMS 128
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Fundamental principles and current research focused on the anatomy and physiology of reproductive systems, hormonal control of reproductive cycles, diversity of sexual responses, basic genetics and heredity, early human development, pregnancy, parturition, 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 or Chem 156.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Computer and internet competence. Descriptive introduction to the structure and function of the human body.
Transfer Information: CSUGE Area B2, CSU Transferable, UC Transferable
UC Transfer Limit: BMS 100, 107, 108, and 146 combined: maximum credit, two courses.

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.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 108 (54 lecture, 54 lab)
Surveys the biology and ecology of various microbial 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 A: Natural Sci Lect/Lab
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.

BIOL 101 Plant Biology (4 Units)
Prerequisites: MATH 107 or MATH 111.
Skills 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, Protista, Fungi and Plantae. Required for the Biological Sciences major. Satisfies SBCC General Education requirement in Natural Sciences.

BIOL 102 Animal Biology (5 Units)
Prerequisites: MATH 107 or MATH 111.
Skills Advisories: Eligibility for ENG 110 or 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. Satisfies SBCC General Education requirement in Natural Sciences.

BIOL 104 Molecular Biology (4 Units)
Prerequisites: MATH 107 or MATH 111.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
Molecular cell biology and genetics of prokaryotes and eukaryotes; emphasis on transmission and molecular biology of genes. Required for the Biological Sciences majors.

BIOL 105 Molecular Biology Laboratory (2 Units)
Prerequisites: MATH 107 or MATH 111.
Corequisites: BIOL 104.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture, 54 lab)
Laboratory in molecular cell biology and genetics of prokaryotes and eukaryotes, with emphasis on transmission and molecular biology of genes. Strongly recommended for the Biological Sciences major; required for Biotechnology majors.

BIOL 110 Natural Science (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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.

BIOL 110H Natural Science, Honors (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Introduction to the physical and chemical principles important to an understanding of biological architecture and function. Laboratory and field investigations of forces, light and biomaterial; optimal form; bioenergetics; functional design. Satisfies SBCC General Education requirement in Natural Sciences.

BIOL 112 Evolution And Adaptation (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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. In combination with BIOL 141, BIOL 112 satisfies General Education requirement in Natural Sciences.

BIOL 135S, BIOL 140, BIOL 150.
IGETC Area 5C, CSU Transferable, UC Transferable
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for BIOL 100 if taken after BIOL 101, 102 or 103.

BIOL 135S, BIOL 140, BIOL 155.
IGETC Area 5C, CSU Transferable, UC Transferable
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: BIOL 104 and 105 combined: maximum credit, 5 units.

BIOL 141 Evolution, Speciation and Extinction (5 Units)
Prerequisites: MATH 107 or MATH 111.
Course Advisories: CHEM 155 and CHEM 156.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 126 (54 lecture, 72 lab)
Evolution, speciation and extinction; the origin and evolution of life on Earth; fossil record and the origin of major groups of living and extinct organisms. Investigates theories of life's origin, modes of speciation and adaptations of dominant life forms through the ages. In combination with BIOL 112, BIOL 141 satisfies General Education requirement in Natural Sciences.

BIOL 141H Evolution, Speciation and Extinction, Honors (5 Units)
Prerequisites: MATH 107 or MATH 111.
Course Advisories: CHEM 155 and CHEM 156.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 132 (72 lecture, 60 lab)
Evolution, speciation and extinction; the origin and evolution of life on Earth; fossil record and the origin of major groups of living and extinct organisms. Investigates theories of life's origin, modes of speciation and adaptations of dominant life forms through the ages. In combination with BIOL 112, BIOL 141 satisfies General Education requirement in Natural Sciences.
BIOL 116 Biological Illustration (4 Units)
Skills Advisories: ART 120.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Photography of biological subjects. Camera, light and the special methods of field and wildlife photography.
Transfer Information: CSU Transferable

BIOL 118 Nature Photography (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Survey of the natural environment through studies of Earth’s ecosystems: emphasis on the plant and animal inhabitants and the influences of cosmic, geological and meteorological phenomena. Satisfies SBCC General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

BIOL 120 Natural History (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H Proficiency in MATH 104 or 107 or 111.
Hours: 54 (54 lecture)
Survey of the natural environment through studies of Earth’s ecosystems: emphasis on the plant and animal inhabitants and the influences of cosmic, geological and meteorological phenomena. Satisfies SBCC General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable

BIOL 122 Ecology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Organisms and populations as integrated elements of communities and ecosystems. Population structure, growth and evolution; relationships between species: competition, predation, coevolution; community structure and development; biodiversity; biogeography. Satisfies SBCC General Education requirement in Natural Sciences when combined with Biology 123.
SBCC General Education: SBCCGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

BIOL 123 Ecology Laboratory (1 Unit)
Corequisites: BIOL 122.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lab)
Through weekly field trips and 2-3 weekend field experiences, students will 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 124 Biological Oceanography (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
Relationships between marine plants and animals and physical characteristics of Earth’s oceans. Emphasis on forms of 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 A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: BIOL 124 combined with EARTH 151: maximum credit, one course.

BIOL 125 Marine Biology (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
Marine plants and animals, with emphasis on local organisms and their ecological adaptations. Laboratory covers particular habitats in the littoral zone during low tides.
SBCC General Education: SBCCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: BIOL 125 and 126 combined: maximum credit, one course.

BIOL 126 Aquatic Ecosystems (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Proficiency in MATH 95. 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
UC Transfer Limit: BIOL 125 and 126 combined: maximum credit, one course.

BIOL 130 Methods In Field Biology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (36 lecture, 54 lab)
Field course of study introducing the ecology of the relatively undisturbed wetland habitats of the Morro Bay region of the central California coast (mudflats, salt marsh, rocky outer coast).
Transfer Information: CSU Transferable

BIOL 133 Ecology Of Morro Bay Area (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (9 lecture, 27 lab)
Field course of study introducing the ecology of the relatively undisturbed wetland habitats of the Morro Bay region of the central California coast (mudflats, salt marsh, rocky outer coast).
Transfer Information: CSU Transferable

BIOL 140 Principles Of Biology (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for BIOL 140 if taken after 100, 101, 102 or 103.
BIOL 141 Biology Laboratory (2 Units)
Prerequisites: BIOL 110.
Corequisites: BIOL 112 or BIOL 140.
Skills Advisories: Eligibility for ENG 110 or 110H or Proficiency in MATH 104 or 107 or 111.
Hours: 72 (18 lecture, 54 lab)
Laboratory investigation of biological principles and techniques of investigation. Satisfies SBCC General Education requirement in Natural Sciences when combined with BIOL 110 or 112 or 140.
SBCC General Education: SBCCGE A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for BIOL 141 unless taken after or concurrently with BIOL 112 or 140.

BIOL 142 Marine Science (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Introduction to oceanography and marine biology: ocean properties, marine ecology of the tropics, poles, temperate and deep-sea regions, and marine environmental concerns.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

BIOL 144 Biogeography (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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)
Course Advisories: High school biology.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Diversity, adaptations and evolutionary history of life on Earth; principles of ecology and evolution. Examination of theories of systematics and nomenclature.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

BIOL 161 DNA and Society (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 291 Seminars In Biology (2 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Topic or group of interrelated topics presented in seminar format by students enrolled in the course. Course content varies. Information on course content may be obtained from the Biological Sciences Department Office or SBCC Schedule of Classes.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: BIOL 291 computed as Independent Studies; please see counselor.

BIOL 295 Internship 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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, UC Transferable
UC Transfer Limit: BIOL 298 computed as Independent Studies; see counselor.

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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 192 (192 lab)
Independent, systematic research investigation of a problem in biology. A final report on research conducted is required. May be taken four times for credit. Course restricted to 3 repetitions
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: BIOL 299 computed as Independent Studies; please see counselor.
BLACK STUDIES (BLST)

Credit Courses

BLST 101 The African-American In U.S. History To World War II (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, CSU US-1, IGETC Area 4C, CSU Transferable, UC Transferable
BLST 102 The African-American In U.S. History, From Civil Rights Movement To Present (3 Units)
Skills Advisories: Eligibility for ENG 103.
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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable
UC Transfer Limit: 102 and 102H combined: maximum credit, one course.
BLST 102H The African-American in U.S. History, from Civil Rights to Present, Honors (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 3B, IGETC Area 4C, CSU Transferable, UC Transferable
UC Transfer Limit: 102 and 102H combined: maximum credit, one course.
BLST 103 African-American Culture (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable
BLST 111 The African-American Music Experience (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
Credit Courses

BOT 100 Concepts Of Botany (4 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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. Satisfies SBCC General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for BOT 100 if taken after BOT 121; BOT 100, 121, and 122 combined: maximum credit, two courses.

BOT 121 Plant Diversity (4 Units)
Course Advisories: BIOL 100.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 108 (54 lecture, 54 lab)
Plant diversity, adaptations and evolutionary history; principles of ecology and evolution. Satisfies SBCC General Education requirement in Natural Sciences.
SBCC General Education: SBCCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B2, CSUGE Area B3, IGETC Area 5B, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: BOT 100, 121, and 122 combined: maximum credit, two courses.

BOT 122 Flowering Plant Identification (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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
UC Transfer Limit: BOT 100, 121 and 122 combined: maximum credit, two courses.

BOT 123 Field Botany (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (36 lecture, 54 lab)
Flora, vegetation and major ecological features of natural ecosystems; field lectures, laboratories and camping. Five one-day field trips; a fee is charged.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

BOT 129 Survey Of Earth's Vegetation (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Diversity and structure of Earth's vegetation types and associated environmental factors responsible for these natural associations. Consideration is given to the preservation, destruction and reconstruction of native vegetation.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable
BUSINESS ADMINISTRATION  
(BUS)

Credit Courses

BUS 101 Introduction To Business (3 Units)  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
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 & e-commerce, economic & financial systems, securities markets, management, marketing, accounting and finance.  
SBCC General Education: SBCCGE B: Social/Behv Science  
Transfer Information: CSU Transferable, UC Transferable  
C-ID: BUS 110.

BUS 103 Business Mathematics (3 Units)  
Course Advisories: BUS 101.  
Skills Advisories: MATH 1.  
Hours: 54 (54 lecture)  
Arithmetic approach used to solve business problems dealing with interest, depreciation, percentage, discounts, pricing merchandise, bank discounts, stocks and bonds, partial payments, payroll, small loans and installment purchases.  
Transfer Information: CSU Transferable

BUS 290 Work Experience In Business Administration (1-4 Units)  
Skills Advisories: Eligibility for ENG 110 or 110H.  
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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
UC Transfer Limit: BLAW 101, 102, 110 combined: maximum credit, one course.
C-ID: BUS 125.

BLAW 110 Legal Environment Of Business (4 Units)
Course Advisories: BUS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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
UC Transfer Limit: BLAW 101, 102, 110 combined: maximum credit, one course.
C-ID: BUS 120.
CANCER INFORMATION MANAGEMENT (CIM)

Credit Courses

CIM 100 Cancer Registry Management I (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: MATH 95 and Eligibility for ENG 98 and ENG 103.
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 (3 Units)
Prerequisites: CIM 202 and 225 and 250.
Corequisites: HIT 240 prior to or concurrent.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 162 (162 lab)
Supervised clinical experience in performing NCRA-required CIM competencies in a cancer registry setting. Students are assigned to affiliated hospital or central cancer registry for supervised professional practice. Students have the status of learner and shall not be considered agency employees, nor do they replace employed staff. Clinical practice is conducted as a non-paid, laboratory experience.
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 70 and ENG 80.
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.

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.
Skills Advisories: Eligibility for ENG 70 and ENG 80.
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).

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.

CNA 105 The Art of Caring for the Person with Dementia-Memory Care Basics (4.5 Units)
Corequisites: CNA 106.
Limitations on Enrollment: All students entering this course will need a physical exam, current TB test and must pass a criminal background check per agency policies.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 153 (45 lecture, 108 lab)
Concurrent Dedicated to improving the quality of life of the person with dementia, while enhancing the life of the caregiver. Focusing on providing a partnership between the caregiver and the memory-impaired adult, this course will offer a distinctive approach that allows the student to practice newly-acquired knowledge in selected clinical sites.

CNA 106 Compassionate Communication for Caregivers: The Art of Connecting in a Caregiving Relationship (1 Unit)
Corequisites: CNA 105.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 18 (18 lecture)
Concurrent Designed to build on the ability to convey compassion, allowing persons with dementia or others who receive care, including family members, to experience compassion. The caregiver grows wiser, stronger, and more capable in the process. Strategies for preventing caregiver "burn-out" are offered, along with insights into nourishing the soul of the caregiver.
CHEMISTRY (CHEM)

Credit Courses

CHEM 101 Introductory Chemistry (4 Units)
Skills Advisories: Eligibility for ENG 98 and 103 and proficiency in MATH 95.
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 A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: CHEM 101 and 104 combined: maximum credit, one course; no credit for CHEM 101 or 104 if taken after 155.
CHEM 101W Workshop for Introductory Chemistry (1 Unit)
Corequisites: CHEM 101.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 95.
Hours: 54 (64 lab)
Study skill development and supplementary problem-solving for CHEM 101.
CHEM 104 Fundamentals Of General, Organic And Biological Chemistry (4 Units)
Skills Advisories: MATH 95 and Eligibility for ENG 98 and 103.
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 A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: CHEM 101 and 104 combined: maximum credit, one course; no credit for CHEM 101 or 104 if taken after 155.
CHEM 110 Survey of Chemistry (3 Units)
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 95.
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: CSU Transferable, UC Transferable
CHEM 155 General Chemistry I (5 Units)
Prerequisites: CHEM 101 or CHEM 104 or one year of high school chemistry and MATH 107 or MATH 111.
Skills Advisories: Eligibility for ENG 110 or 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 A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
C-ID: CHEM 110, CHEM 120S.
CHEM 155W Workshop for General Chemistry I (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 104 or MATH 107 or MATH 111.
Hours: 54 (54 lab)
CHEM 156 General Chemistry II (5 Units)
Prerequisites: CHEM 155.
Skills Advisories: MATH107 and Eligibility for ENG 110 or 110H.
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
C-ID: CHEM 120S.
CHEM 156W Workshop for General Chemistry II (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 104 or MATH 107 or MATH 111.
Hours: 54 (54 lab)
CHEM 211 Organic Chemistry I (3 Units)
Prerequisites: CHEM 155.
Skills Advisories: Eligibility for ENG 110 or 110H.
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
UC Transfer Limit: CHEM 221 and 221 combined: maximum credit, 5 units.
C-ID: CHEM 150, CHEM 160S.
CHEM 212 Organic Chemistry II (3 Units)
Prerequisites: CHEM 211.
Skills Advisories: Eligibility for ENG 110 or 110H.
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
UC Transfer Limit: CHEM 212 and 222 combined: maximum credit, 5 units.
C-ID: CHEM 160S.

CHEM 221 Organic Chemistry Laboratory I (2.3 Units)
Corequisites: CHEM 211.
Skills Advisories: Eligibility for ENG 110 or 110H.
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
UC Transfer Limit: CHEM 221 and 221 combined: maximum credit, 5 units.
C-ID: CHEM 150, CHEM 160S.

CHEM 222 Organic Chemistry Laboratory II (2.5 Units)
Prerequisites: CHEM 221.
Corequisites: CHEM 212.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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
UC Transfer Limit: CHEM 212 and 222 combined: maximum credit, 5 units.
C-ID: CHEM 160S.

CHEM 299 Independent Research 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 4 units with a GPA of 3.0 in the Chemistry Department.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Transfer Information: CSU Transferable
Credit Courses

CHST 101 Mexican-American (Chicano) History In The U.S. (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, CSU US-1, IGETC Area 3B, IGEC Area 4C, CSU Transferable, UC Transferable

CHST 102 The Chicano And Latino In U.S. History, From The 1960's To The Present (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Comprehensive examination of the history of Chicanos and other Latinos in American society from the 1960s to the present. The institutions, movements, personalities, contributions and problems of these people are explored.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

CHST 103 Mexican-American (Chicano) Culture (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

CHST 113 Introduction To Chicano/Mexican-American Literature (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Examines the literary expression of the Mexican-American and his/her quest for a rightful place in society.
SBCC General Education: SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

CHST 114 Borderlands Literature: U.S.-Mexico (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

CHST 115 Introduction To Mexican Literature (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

CHST 121 The Chicana And Other Latina Women (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

CHST 130 History Of Mexican Art (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

CHST 131 History Of Chicano Art (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

CHST 160 Chicano Theatre (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Survey of Chicano and Latino theatre, 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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
CHINESE (CHIN)

Credit Courses

CHIN 101 Beginning Chinese I (5 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Essentials of spoken and written Mandarin Chinese through the study of vocabulary, Pin-Yin system, syntax, grammar and culture.
SBCC General Education: SBCCGE C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Essentials of spoken and written Mandarin Chinese through the study of vocabulary, Pin-Yin system, syntax, grammar and culture.
SBCC General Education: SBCCGE C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 90 (90 lecture)
Continuation of Chinese 102. Develops students' ability to master everyday topics using advanced grammatical patterns in "spoken style" Chinese.
SBCC General Education: SBCCGE C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 100 Oral Communication For ESL Students (3 Units)
Course Advisories: ESL Level 4 (ESL 122 or 123 or 124).
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. Students participate in activities to reinforce learning of these skills.
Transfer Information: UC Transferable
COMM 101 Introduction to Communication (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable
C-ID: COMM 180.
COMM 121 Interpersonal Communication (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable
UC Transfer Limit: COMM 121, 121H and 122 combined: maximum credit, one course.
C-ID: COMM 130.
COMM 121H Interpersonal Communication, Honors (3 Units)
Limitations on Enrollment: Admission to Program.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable
UC Transfer Limit: COMM 121, 121H and 122 combined: maximum credit, one course.
C-ID: COMM 130.
COMM 122 Mediated Interpersonal Communication (3 Units)
Skills 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 D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable
UC Transfer Limit: COMM 121, 121H and 122 combined: maximum credit, one course.
COMM 131 Fundamentals Of Public Speaking, Honors (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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-taped replays and instructor evaluation provide feedback on performance.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable
UC Transfer Limit: COMM 131 and 113H combined: maximum credit, one course.
C-ID: COMM 110.
COMM 131H Fundamentals Of Public Speaking, Honors (3 Units)
Limitations on Enrollment: Honors course.
Skills Advisories: Eligibility for ENG 110 or 110H.
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-taped replays and instructor evaluation provide feedback on performance.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable
UC Transfer Limit: COMM 131 and 113H combined: maximum credit, one course.
C-ID: COMM 110.
COMM 141 Small Group Communication (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, IGETC Area 1C, CSU Transferable, UC Transferable
C-ID: COMM 140.
COMM 142 Leadership in a Global Society (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
This course explores leadership and management styles needed to
effectively lead in a global society. Students explore leadership theories
and principles and apply them to real world problems across a variety
of contexts to better understand effective leadership in today's world.
Examines strategies that enable leaders to make effective change in
business, government, nonprofits, education, and community based
organizations.
Transfer Information: CSU Transferable, UC Transferable
COMM 151 Intercultural Communication (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable
C-ID: COMM 150.
COMM 161 Communication in Organizations (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, CSU Transferable
COMM 162 Mediated Communication in Organizations (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 D2: Comm/Analytic Think, SBCCGE E4: Oral Communication
Transfer Information: CSUGE Area A1, CSU Transferable
COMM 171 Mass Media And Society (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D7, IGETC Area 4C, CSU Transferable, UC Transferable
C-ID: JOUR 100.
COMM 173 Mass Media And Society (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D7, IGETC Area 4C, CSU Transferable, UC Transferable
C-ID: JOUR 100.
COMM 174 Mass Media And Society (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D7, IGETC Area 4C, CSU Transferable, UC Transferable
C-ID: JOUR 100.
COMPUTER APPLICATIONS 
AND OFFICE MANAGEMENT 
(COMP)

Credit Courses

COMP 100 Introduction To Computers (0.5 Units)  
Hours: 9 (9 lecture)  
Learn how to operate a computer: log in, navigate the desktop, open/close software, save/find files and folders, and use various media and shortcuts.

COMP 101 Introduction to Computer Applications (4 Units)  
Course Advisories: COMP 151A.  
Skills Advisories: Eligibility for ENG 103.  
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

COMP 102 Introduction to Digital Literacy I (1 Unit)  
Hours: 18 (18 lecture)  
Introduction to basic elements of computer/digital literacy. Includes using features of college’s web-based systems (Pipeline & Moodle) to communicate effectively and participate fully in college courses; managing, saving, retrieving, and sharing files in a variety of digital formats, and basic word processing on a PC or MAC.

COMP 103 Internet Communications (1 Unit)  
Skills Advisories: Eligibility for ENG 103.  
Hours: 18 (18 lecture)  
Introduction to Internet communications: How and when to use them (and safely), including: World Wide Web, search engines, e-mail, chat, discussion, blogs, social networking tools, Web2.0, Instant messaging/texting, etc.  
Transfer Information: CSU Transferable

COMP 107 Microsoft Word (4 Units)  
Course Advisories: COMP 151AB.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
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 108 Microsoft Word: New Features (0.5 Units)  
Course Advisories: COMP 107.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 9 (9 lecture)  
Covers the new features in the latest version of Microsoft Word. Recommended for current users who need to make the transition to the new version quickly.  
Transfer Information: CSU Transferable

COMP 109 Microsoft Excel (4 Units)  
Course Advisories: COMP 151AB.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 72 (72 lecture)  
Introduction to spreadsheets using Excel. Includes designing and building workbooks/worksheets, formatting, graphs, charts, decision-making, lists, data management and data exchange.  
Transfer Information: CSU Transferable

COMP 110 Microsoft Excel: New Features (0.5 Units)  
Course Advisories: COMP 109.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 9 (9 lecture)  
Covers the new features in the latest version of Microsoft Excel. Recommended for current users who need to make the transition to the new version quickly.  
Transfer Information: CSU Transferable

COMP 111 Microsoft Access (4 Units)  
Course Advisories: COMP 101.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
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.  
Skills Advisories: Eligibility for ENG 103.  
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 113A Introduction To Microsoft Powerpoint (1 Unit)  
Course Advisories: COMP 123.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 18 (18 lecture)  
Plan, create, modify and enhance effective presentations with graphics, slide masters, layout, design templates, color schemes, animation, diagrams and speaker’s notes; produce and deliver on-screen slide show.  
Transfer Information: CSU Transferable

COMP 113B Advanced Microsoft Powerpoint (1 Unit)  
Course Advisories: COMP 113A.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 27 (27 lecture)  
Expert features of Microsoft PowerPoint. Customize design templates, insert other presentations’ slides and templates, add graphics, sound and animation. Integrate with other programs and the Web. Import Word tables, add links to other slides/presentations, link Excel charts, summary slides, meeting notes, action items, workgroup collaboration, and produce presentation in MS Producer.  
Transfer Information: CSU Transferable
COMP 113Z MS PowerPoint: New Features (0.5 Units)
Course Advisories: COMP 112 or 136A.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Covers the new features of the latest version of Microsoft PowerPoint. Recommended for current users who need to make the transition to the new version quickly.
Transfer Information: CSU Transferable

COMP 114 Introduction To Outlook (0.5 Units)
Course Advisories: COMP 101 or COMP 107.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Introduction to Microsoft Outlook. Includes scheduling using an electronic calendar, communicating with e-mail, and managing contacts through the tasks and notes features.
Transfer Information: CSU Transferable

COMP 118 Visual Basic for Applications Programming (4 Units)
Course Advisories: CIS 101 and COMP 109 and COMP 111.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
Fundamental concepts of application development using Visual Basic for Applications (VBA)
Transfer Information: CSU Transferable

COMP 120 Being Successful with Canvas (1 Unit)
Skills Advisories: Eligibility for ENG 103.
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 122 Intro to Digital Arts Center (0.5 Units)
Skills Advisories: Eligibility for English 100.
Hours: 15 (6 lecture, 9 lab)
Introduction to college's Digital Arts Center and basic skills and rules for its use. Series of workshops are provided to open applications, manage files, find help, and be aware of lab rules. Topics are dynamic and change to reflect Digital Arts Center hardware, software and policy.
Transfer Information: CSU Transferable

COMP 123 Introduction To Microsoft Word (1 Unit)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 103.
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 124A Microsoft Excel: Basic (1 Unit)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Short introduction to Excel basic features, including creating a worksheet, charts, formulas, functions and Web queries.
Transfer Information: CSU Transferable

COMP 127A Microsoft Project: Basic (1 Unit)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Short introduction to Microsoft Project basic features, including working with tasks, scheduling tasks, and managing resources and calendars.
Transfer Information: CSU Transferable

COMP 129A Searching The Web (0.3-0.5 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Introduction to searching and researching on the World Wide Web. Topics include surveys of popular search engines, search engine comparisons, search tips and techniques.

COMP 129B Searching The Web (0.3-0.5 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Introduction to searching and researching on the World Wide Web. Topics include surveys of popular search engines, search engine comparisons, search tips and techniques.

COMP 132A Word I (0.5 Units)
Course Advisories: COMP 100 and COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Introduction to Microsoft Word. Creating, saving, editing and formatting documents; auto-correct, auto-text, auto-format, move/copy, find/replace, indents, tabs, headers/footers, margins and page breaks.

COMP 132B Word II (0.5 Units)
Course Advisories: COMP 132A and 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Microsoft Word topics, including managing multiple-section documents, headers and footers and Mail Merge.

COMP 132C Word III (0.5 Units)
Course Advisories: COMP 132A and 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Microsoft Word topics, including mail merge, forms, footnotes, endnotes, indices and bookmarks, and macros.

COMP 134A Excel I (0.5 Units)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Introduction to Microsoft Excel. Creating and managing a simple Excel file containing formatted text and numbers, as well as simple function formulas.

COMP 134B Excel II (0.5 Units)
Course Advisories: COMP 134A and COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Microsoft Excel topics, including graphs and charts, working with large and multiple worksheets and workbooks; customizing Excel; documenting and auditing; and collaborating with a workgroup.
COMP 134C Excel III (0.5 Units)
Course Advisories: COMP 134B.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Advanced Excel topics, including defining advanced formulas, creating
data tables, working with PivotTables, performing what-if analyses,
recording macros, and publishing worksheets as Web pages.

COMP 135A Access I (0.5 Units)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Creating a database, managing records, and creating queries and custom
forms, with introduction to table relationships.

COMP 135B Access II: Tables/Queries (0.5 Units)
Course Advisories: COMAP 135A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Creating relational databases, working with related tables, subforms, data
integrity, advanced forms and reports, advanced queries and charts.

COMP 135C Access III: Forms/Reports (0.5 Units)
Course Advisories: COMAP 135B.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Develop and access applications with advanced controls, dialog
boxes, macros, custom toolbars, menus and shortcuts. Create custom
switchboard, test application performance, and establish basic database
security.

COMP 135Z MS Access: New Features (0.5 Units)
Course Advisories: COMP 111 or COMP 135A and COMP 135C.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Covers the new features of Microsoft Access, Recommended for current
users who need to make the transition to the new version quickly.
Transfer Information: CSU Transferable

COMP 136A Powerpoint I (0.5 Units)
Course Advisories: COMP 100 and COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Create and print basic slide presentations, with introduction to animation,
clip art, drawing tools, tables and charts.

COMP 137A Introduction To Ms Publisher (0.5 Units)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Use Publisher to create letterhead, flyers and a newsletter. Work with
shapes and WordArt, and convert material to a website.

COMP 137B Informational Graphics for the Web (0.5 Units)
Course Advisories: COMP 132B.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Overview of how to create and publish on the web; informational
graphics, with typical office applications (MS Word, Excel, PowerPoint,
etc.).

COMP 138A Introduction To Visio (0.5 Units)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Learn basic techniques, create a basic flow diagram, organizational chart
and custom stencils, and use cross-functional flowcharting.

COMP 139 Social Networking for Business (0.5 Units)
Skills Advisories: Eligibility for ENG 103.
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 140 ESL With The Internet (2 Units)
Course Advisories: ESL 42.
Hours: 36 (36 lecture)
Introduction to the use of the Internet and e-mail for students in ESL Levels 2
and 3 for English language development. Topics include sending e-mails,
using online bulletin boards, searching the Internet, navigating a website,
evaluating websites, and using English language-acquisition websites.

COMP 141 Keyboarding For ESL Students (2 Units)
Course Advisories: ESL 62.
Hours: 36 (36 lecture)
Introduction to computer keyboarding skills for students in ESL Levels
4 and 5. Emphasis on touch keyboarding of letter and number keys and
the numeric keypad. After developing basic keyboarding skills, student
creates a simple report and letter using Microsoft Word.

COMP 142 Internet Communication For ESL (2 Units)
Course Advisories: ESL 62.
Hours: 72 (18 lecture, 54 lab)
Introduction to the use of the Internet and electronic communication
for students in ESL Levels 4 and 5. Topics include the World Wide Web,
social networking, and e-mail features such as sending and receiving
attachments, filtering messages, and storing messages in folders; blogs,
messaging, etc.

COMP 143 Using Your iPhone (1 Unit)
Course Advisories: COMP 103.
Skills Advisories: Eligibility for ENG 103.
Hours: 18 (18 lecture)
Tap into the full potential of your iPhone for school, work, and play by
using the installed features as well as the massive world of iPhone Apps.
Transfer Information: CSU Transferable

COMP 144A Google World (1 Unit)
Course Advisories: COMP 103.
Skills Advisories: Eligibility for ENG 103.
Hours: 18 (18 lecture)
Students explore the newest applications in “Google world” such as
Google docs, forms, calendar, blogger, Wave, Reader, 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.
Skills Advisories: Eligibility for ENG 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 148A Topics In Personal Productivity Technology Tools: Tablet PCs And Ms OneNote (0.5 Units)
Course Advisories: COMP 100.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Learn to choose and use tablet PCs and MS One-Note to increase personal productivity.

COMP 148B Topics In Personal Productivity Technology Tools: Handheld Computers (0.5 Units)
Course Advisories: COMP 100.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Learn to choose and use the latest handheld computers to increase personal productivity.

COMP 148C Topics In Personal Productivity Technology Tools: Podcasting And Digital Dictation (0.5 Units)
Course Advisories: COMP 100.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Learn to choose and use podcasting & Digital Dictation to increase personal productivity.

COMP 148D Topics In Personal Productivity Technology Tools: Voice Recognition (0.5 Units)
Course Advisories: COMP 100.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Learn to choose and use Voice Recognition to increase personal productivity.

COMP 148E Productivity Tools: Free/open-source/web-based tools (0.5 Units)
Course Advisories: COMP 100.
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Learn to choose and use Productivity Freeware, open-source software and web-based tools to increase personal productivity.

COMP 149 Social Networking and Social Media (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Through a variety of social networking applications, students learn about how the creation and use of media content help to establish network communities of shared professional and personal interests. Includes online applications Wikis, Youtube, Facebook, etc., and their use across media-oriented platforms.
Transfer Information: CSU Transferable

COMP 150 Voice Recognition (1 Unit)
Course Advisories: COMP 123.
Skills Advisories: Eligibility for ENG 103.
Hours: 18 (18 lecture)
Learn to dictate directly to your computer using your voice. Achieve input speeds of over 100 words per minute. Train computer to recognize your voice. Edit and give commands using voice.
Transfer Information: CSU Transferable

COMP 151A Basic Computer Keyboarding (1.5 Unit)
Skills Advisories: Eligibility for ENG 103.
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)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Introduction to computer keyboarding skills that enable student to work more effectively and quickly. Emphasis on touch keyboarding of alphabet and numeric keys. After developing basic keyboarding skills, student creates correspondence and reports using Microsoft Word.
Transfer Information: CSU Transferable

COMP 153 Review Computer Keyboarding (2 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 108 (108 lab)
Review of basic keyboarding skills and computer principles, including techniques, alphabetic and number keys, plus correspondence, reports and tables in MS Word. Course assumes touch keyboarding skills.
Transfer Information: CSU Transferable

COMP 155 Keyboarding Skill Development I (1.5 Unit)
Course Advisories: COMAP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110.
Hours: 81 (81 lab)
For the student who already knows the computer keyboard by touch, this course provides skill development to build speed and accuracy.
Transfer Information: CSU Transferable

COMP 156 Keyboarding Skill Development II (1.5 Unit)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 81 (81 lab)
For the student who already knows the computer keyboard by touch, this course provides continuing skill development to build speed and accuracy.
Transfer Information: CSU Transferable

COMP 158 Computer Keyboarding Skills (0.5 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 9 (9 lecture)
Introduction to the computer keyboard to develop basic "touch" control keyboarding skills.

COMP 161A Business Career Success (1 Unit)
Course Advisories: COMP 101.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 18 (18 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 161B Business Career Success (2 Units)
Course Advisories: COMP 101.
Skills Advisories: Eligibility for ENG 100 and 103.
Hours: 36 (36 lecture)
Soft skills required for a successful business career: 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 161C Business Career Success (3 Units)
Course Advisories: COMP 101.
Skills Advisories: Eligibility for ENG 98 and 103.
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 163 Receptionist Skills (1 Unit)
Skills Advisories: Eligibility for ENG 103.
Hours: 18 (18 lecture)
Preparation for employment as a receptionist/front office employee. Includes handling telephone and mail, presenting a professional image, using voice mail, fax machines, e-mail, copiers, etc.

COMP 170 Introduction To Great Plains (0.5 Units)
Corequisites: ACCT 170.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Introduction to the basic features of MS Great Plains Dynamics computerized accounting application program.

Transfer Information: CSU Transferable

COMP 171 Business English (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Review of English fundamentals necessary to communicate effectively for personal and professional success: 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 185A MS Word I version 2010 (0.5 Units)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Introduction to Microsoft Word v. 2010. Creating and managing a simple Excel file containing formatted text and numbers, as well as simple function formulas.

COMP 185B MS Word II version 2010 (0.5 Units)
Course Advisories: COMP 185A and COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Microsoft Excel version 2010 topics, including graphs and charts, large and multiple worksheets and workbooks; customizing Excel; documenting and auditing; and collaborating with a workgroup.

COMP 185C MS Word III version 2010 (0.5 Units)
Course Advisories: COMP 185A and COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Microsoft Word version 2010 topics, including mail merge, forms, footnotes, endnotes, indices and bookmarks, and macros.

COMP 200 Career Horticulture And Computers (1 Unit)
Course Advisories: COMP 101 and COMP 103.
Hours: 18 (18 lecture)
Career horticulture students and professionals learn the role of the computer and the Internet as tools to enhance professional success. Plant identification, soils, greenhouse operations, landscape construction, maintenance, integrated pest management, and irrigation. Professional use of digital cameras, scanners, GPS, etc.

Transfer Information: CSU Transferable

COMP 202 Integrating The Ms Office Suite (1 Unit)
Course Advisories: COMP 103 and COMP 107 and COMP 109 and COMP 113A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
For intermediate to advanced users of MS Office, this course will focus on the integrative and groupware features of the Office suite. Includes sharing data between applications and collaborating with others using Outlook, Office Binder, Excel, PowerPoint, word, online meetings.

Transfer Information: CSU Transferable

COMP 203A MS Excel I, version 2010 (0.5 Units)
Course Advisories: COMP 100 and COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Create and manage a simple Excel file containing formatted text and numbers, as well as simple function formulas.

COMP 203B MS Excel II, version 2010 (0.5 Units)
Course Advisories: COMP 203A and COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Microsoft Excel version 2010 topics, including graphs and charts, large and multiple worksheets and workbooks; customizing Excel; documenting and auditing; and collaborating with a workgroup.

COMP 203C MS Excel III, version 2010 (0.5 Units)
Course Advisories: COMP 151A and COMP 203B.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Advanced Excel topics, including defining advanced formulas, creating data tables, working with PivotTables, performing what-if analyses, recording macros, and publishing worksheets as Web pages.

COMP 211 Adv Topics In Microsoft Word (0.3 Units)
Course Advisories: COMP 132A Series of short one-day workshops covering a variety of advanced topics in Microsoft Word.
Skills Advisories: Eligibility for ENG 103
Hours: 5.4 (5.4 lecture)
F.S Workshop topics are dynamic and change to reflect industry trends and new versions of the application.

COMP 211A Word: Page Layout with Tables (0.3 Units)
Course Advisories: COMP 132A.
Skills Advisories: Eligibility for ENG 103.
Hours: 5.4 (5.4 lecture)
Learning powerful page layout techniques by harnessing Word's built-in table creation tools - all easier than tabbing across the page; and creating a variety of tables, adjusting columns and row widths, aligning tables, splitting/merging cells and applying borders/shading.
COMP 211B Mail Merge: Personalize Form Letters (0.3 Units)
Course Advisories: COMP 132A.
Skills Advisories: Eligibility for ENG 103.
Hours: 5.4 (5.4 lecture)
Complete holiday mailings more easily. Use MS Word mail merge tools to automate the process of document production for form letters. Managing mailing lists and labels.

COMP 211C Long docs: Styles, TOC, Page Setup (0.3 Units)
Course Advisories: COMP 132A.
Skills Advisories: Eligibility for ENG 103.
Hours: 5.4 (5.4 lecture)
Using Word to create a novel, family history, dissertation, thesis, operations manual, or a business or academic report in Word. Layout/structure features including styles, table of contents, outline view, page set-up, choosing fonts and controlling line, paragraph and page breaks.

COMP 211D Long docs Adv/Graphics, Numbers, Xrefs (0.3 Units)
Course Advisories: COMP 132A.
Skills Advisories: Eligibility for ENG 103.
Hours: 5.4 (5.4 lecture)

COMP 211E Word Graphics (0.3 Units)
Course Advisories: COMP 132A.
Skills Advisories: Eligibility for English 103.
Hours: 5.4 (5.4 lecture)
Making the most of the graphics that can be incorporated into Word documents: Clip Art Organizer, WordArt and other graphic enhancements that are included in MS Office.

COMP 211F Word Productivity Shortcuts (0.3 Units)
Course Advisories: COMP 132A.
Skills Advisories: Eligibility for English 103 Improve your Word skills!
Save time with tips, tricks, shortcuts! Effectively use tabs, indents, spell check, simple tables and headers/footers; and insert large chunks of text quickly.
Hours: 5.4 (5.4 lecture)

COMP 212 Adv Topics-Excel:Formulas/Fcns (0.3 Units)
Hours: 5.4 (5.4 lecture)

COMP 212A Excel: Power Formulas and Functions (0.3 Units)
Course Advisories: COMP 134A.
Skills Advisories: Eligibility for ENG 103.
Hours: 5.4 (5.4 lecture)
Improving spreadsheets by making formulas easier to understand and by building commonly used financial functions; and producing everyday calculations and statistics more easily.

COMP 212B Excel: Analyze with Charts and Graphs (0.3 Units)
Course Advisories: COMP 134A.
Skills Advisories: Eligibility for ENG 103.
Hours: 5.4 (5.4 lecture)
Make data easier to understand and summarize: and spreadsheets professionally presentable; discovering unexpected trends or patterns in information; and using Excel charting/graphing tools to visually interpret spreadsheet data.

COMP 230A MS Access I, version 2010 (0.5 Units)
Course Advisories: COMP 151A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Create a database, managing records, and creating queries and custom forms, with introduction to table relationships.

COMP 230B Access II version 2010: Tables/Queries (0.5 Units)
Course Advisories: COMP 230A.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Create relational databases, working with related tables, subforms, data integrity, advanced forms and reports, advanced queries and charts.

COMP 230C MS Access III version 2010: Forms/Reports (0.5 Units)
Course Advisories: COMP 230B.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 9 (9 lecture)
Develop and access applications with advanced controls, dialog boxes, macros, custom toolbars, menus and shortcuts. Create custom switchboard, test application performance, and establish basic database security.

COMP 271 Business Communications (3 Units)
Course Advisories: COMP 171.
Skills Advisories: Eligibility for ENG 110 or 110H.
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
COMP 290 Work Experience In Computer Applications And Office Management (1-4 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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

COMP 299 Independent Study In Computer Applications And Office Management (1-4 Units)
Skills Advisories: Eligibility for ENG 110 or 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 with faculty sponsor required. Course may be taken for one to four units of credit; each unit of credit requires student to devote approximately three hours per week to the project.

Noncredit Courses
COMP NC000 Computer Skills lab (Bilingual) (0 Units)
Hours: 25 (25 lecture)
Bilingual lab featuring individualized, hands-on instruction, and small group lectures. Students learn at own pace. Course restricted to 98 repetitions
COMP NC001 Typing Keyboarding (Bilingual) (0 Units)
Hours: 48 (24 lecture, 24 lab)
This bilingual course promotes an understanding of basic typing and keyboarding skills. It is intended for students who have no keyboarding experience or who want to improve their keyboarding skills. Introduces proper keyboard operating techniques through the practice and reinforcement of correct techniques to avoid experience repetitive stress syndrome, more commonly known as carpel tunnel syndrome. Course restricted to 98 repetitions

COMP NC002 Introduction to Computer (Bilingual) (0 Units)
Hours: 54 (54 lecture)
Bilingual course promotes an understanding of basic computer skills. Provides basic knowledge of computers such as hardware, software and basic terminology. Course restricted to 98 repetitions

COMP NC003 Introduction to Windows Operating System (Bilingual) (0 Units)
Hours: 20 (15 lecture, 5 lab)
This class is a slow-paced introduction to the Windows Operating System. Recommended for people unfamiliar with computers and serves as a foundation for working with various Windows operating system versions. Students will explore the Windows OS interface, practice simple windows navigation tools and techniques, implement file management, and examine other Windows Operating system tools, applications and help commands. Course restricted to 98 repetitions

COMP NC004 Introduction to the Internet and E-Mail (Bilingual) (0 Units)
Hours: 20 (15 lecture, 5 lab)
This introductory bilingual course provides the basic applications of the Internet, and electronic mail. Topics included are browsing and researching on the World Wide Web using various search engines, popular websites tips and techniques to obtain specific information. E-mail basics include web-based account setup, sending/receiving messages and attachments, E-mail etiquette, E-mail management, security and protection of privacy. Course restricted to 98 repetitions

COMP NC005 Microsoft Word Fundamentals (Bilingual) (0 Units)
Hours: 54 (54 lecture)
This course for beginners provides a basic understanding of Microsoft Word tools. Students learn to create professional quality letters, certificates, flyers, labels and more. Course restricted to 98 repetitions

COMP NC010 Computer Skills Lab (Bilingual) (0 Units)
Hours: 200 (200 lab)
The bilingual lab features individualized, hands-on instruction, and small group lectures. Students learn at own pace and design their own practice schedule in several computer software programs including keyboarding, data entry, 10-key, Windows operating systems, MS Office (Word, Excel, Publisher, PowerPoint), and internet/e-mail. Course restricted to 98 repetitions

COMP 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
Transfer Information: Basic Skills/not Precollegiate

COMP 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
Transfer Information: Basic Skills/not Precollegiate

COMP NC013 The Best Cloud Backup Options to Protect Data (0 Units)
Hours: 8 (8 lecture)
Back 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
Transfer Information: Basic Skills/not Precollegiate

COMP 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
Transfer Information: Basic Skills/not Precollegiate

COMP 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
Transfer Information: Basic Skills/not Precollegiate

COMP 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
Transfer Information: Basic Skills/not Precollegiate

COMP 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
Transfer Information: Basic Skills/not Precollegiate
COMP 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
Transfer Information: Basic Skills/not Pre collegiate

COMP NC020 How to use a Computer Keyboard and Mouse for Beginners (0 Units)
Hours: 10 (6 lecture, 4 lab)
This course gives students an orientation to the computer keyboard and mouse. Students learn the layout and function of special computer keys, learn how to properly hold the mouse, and practice using mouse. No previous typing or computer experience required. Course restricted to 98 repetitions

COMP 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

COMP 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

COMP 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

COMP 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

COMP 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

COMP 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

COMP 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

COMP NC033 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

COMP NC034 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

COMP NC035 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

COMP NC036 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

COMP NC037 Email for Beginners (0 Units)
Hours: 10 (6 lecture, 4 lab)
This course provides a basic introduction to e-mail. Topics include how e-mail works and its uses, setting up an e-mail account, reading and sending e-mail, and dealing with attachments. Course restricted to 98 repetitions
COMP NC042 Optimizing Photos for the Internet and E-mail (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

COMP NC050 Word Processing Basics for Beginners (0 Units)
Hours: 12.5 (9 lecture, 3.5 lab)
Students who find computers mystifying or frightening will learn how to navigate the computer screen and compose and edit a short document. Class pace will allow students to become comfortable with the computer and editing techniques. Course restricted to 98 repetitions

COMP NC051 Introduction to MS Word (0 Units)
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

COMP NC055 Basic PowerPoint (0 Units)
Hours: 10 (6 lecture, 4 lab)
This course teaches students to turn facts, figures, and photos into a creative display of slides, outlines, graphs, and multimedia using Microsoft PowerPoint. Students will 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

COMP NC058 Basic Outlook (0 Units)
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

COMP NC062 Basic Spreadsheets for Beginners (0 Units)
Hours: 12.5 (9 lecture, 3.5 lab)
This 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, and creating charts. Course restricted to 98 repetitions

COMP NC063 Introduction to MS Excel (0 Units)
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

COMP NC070 Introduction to Hand-held Devices (0 Units)
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

COMP 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

COMP NC080 Setting Up A Blog (0 Units)
Hours: 8 (8 lecture)
Blogging is one 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

COMP 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
Credit Courses

CIS 101 Introduction To Computers And Information Systems (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: CIS 101 combined with CS 101: maximum credit, one course.
C-ID: BUS 140, ITIS 120.

CIS 107 Introduction to Database Systems (4 Units)
Course Advisories: CIS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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/system 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 (2 Units)
Course Advisories: CIS 114, CIS 115.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 36 (36 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Using SQL to retrieve, insert, update, and delete information from relational databases. Creating row and aggregate functions, inner and outer joins, set operations, subqueries and parameter queries.
Transfer Information: CSU Transferable

CIS 118 Visual Basic For Applications Programming (4 Units)
Course Advisories: CIS 101 and COMP 109 and COMP 111.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Fundamental concepts of application development using Visual Basic for Applications (VBA).
Transfer Information: CSU Transferable

CIS 119 Introduction To Programming Using Visual Basic (4 Units)
Course Advisories: CIS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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

CIS 120 Introduction to NoSQL Databases (2 Units)
Course Advisories: CIS 107 or CIS 117.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 36 (36 lecture)
Introduction to NoSQL databases. Fundamentals of NoSQL databases and survey of NoSQL products.
Transfer Information: CSU Transferable

CIS 181 Technical And Professional Writing (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Automating system administration functions in Windows using Windows PowerShell.
Transfer Information: CSU Transferable

CIS 201 UNIX/LINUX System Administration (4 Units)
Course Advisories: CIS 218 or CS 130.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Introduction to UNIX and Linux system administration. Occupational preparation for PC-support personnel, programmers and network systems managers.
Transfer Information: CSU Transferable

CIS 206 MS Windows Server System Administration (4 Units)
Course Advisories: CIS 218.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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, UC Transferable
C-ID: ITIS 155.

CIS 209 Visual Basic .Net Programming (4 Units)
Course Advisories: CIS 119.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Windows programming, using Visual Basic.NET 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.NET.
Transfer Information: CSU Transferable, UC Transferable
C-ID: ITIS 155.

CIS 213 MS Exchange Server Administration (3 Units)
Course Advisories: CIS 206.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 217 BlackBerry Enterprise Server System Administration (3 Units)
Course Advisories: CIS 213.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to BlackBerry Enterprise Server system 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 218 MS Windows Desktop System Administration (4 Units)
Course Advisories: CIS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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)
Course Advisories: BUS 101 and COMP 103.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 221 MS Win Server Enterprise System Administration (4 Units)
Course Advisories: CIS 206.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
Introduction to Microsoft Windows Server, with emphasis on enterprise 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 222 MS Private Cloud Administration (3 Units)
Course Advisories: CIS 114 and CIS 206.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Introduction to configuration and administration of a Microsoft private cloud. 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 223 MS Sharepoint Server Administration (3 Units)
Course Advisories: CIS 206.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
Hours: 54 (54 lecture)
Introduction to Microsoft Sharepoint Server, with emphasis on system administration. 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.  
Skills Advisories: Eligibility for ENG 110, ENG 110H.  
Hours: 36 (36 lecture)  
Installing, configuring and trouble-shooting the Apache Web Server on multi-platform environments.  
Transfer Information: CSU Transferable

CIS 225 Citrix XenApp Administration (3 Units)  
Course Advisories: CIS 114 and CIS 206.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 54 (54 lecture)  
Introduction to Citrix XenApp 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 226 Citrix XenDesktop Administration (3 Units)  
Course Advisories: CIS 114 and CIS 206.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 54 (54 lecture)  
Introduction to Citrix XenDesktop 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 228 Apple Mac OS X System Administration (4 Units)  
Course Advisories: CIS 101.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 72 (72 lecture)  
Introduction to macOS desktop and server 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 229 Advanced Visual Basic .NET Programming (4 Units)  
Course Advisories: CIS 209.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 36 (36 lecture)  
Developing and distributing advanced Visual Basic .NET applications. Designed for individuals with experience in Visual Basic programming.  
Transfer Information: CSU Transferable

CIS 230 Active Server Pages Using Visual Basic (4 Units)  
Course Advisories: CIS 117 or CIS 107 and CIS 119.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 72 (72 lecture)  
Developing and implementing Internet and intranet business applications with Active Server Pages and Visual Basic. Accessing databases, managing enterprise data, and implementing transaction processing, electronic commerce and Internet mail.  
Transfer Information: CSU Transferable

CIS 231 SQL Server Design And Programming (3 Units)  
Course Advisories: CIS 117 or CIS 107 and CIS 119.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
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.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 54 (54 lecture)  
Administering, backing up and recovering SQL Server databases. Designed for students and professionals seeking Microsoft certification.  
Transfer Information: CSU Transferable

CIS 234 Oracle Design and Programming (4 Units)  
Course Advisories: CIS 117 or CIS 107.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 36 (36 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.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 36 (36 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.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 54 (54 lecture)  
Administering, backing up and recovering Oracle databases. Designed for students and professionals seeking Oracle certification.  
Transfer Information: CSU Transferable

CIS 237 Advanced SQL Programming (2 Units)  
Course Advisories: CIS 107 or CIS 117.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 36 (36 lecture)  
Using SQL to clean and consolidate data; perform correlated subqueries and hierarchical retrievals; write SQL queries; and access object-relational data, VARRAYs and nested tables.  
Transfer Information: CSU Transferable

CIS 238 Data Warehousing with SQL Server (3 Units)  
Course Advisories: CIS 107 or CIS 117.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
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 Developing database-independent reports using Crystal Reports.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 36 (36 lecture)  
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Transfer Information: CSU Transferable

CIS 243 Systems Analysis And Design (4 Units)  
Course Advisories: CIS 101.  
Skills Advisories: Eligibility for ENG 110 or ENG 110H.  
Hours: 72 (72 lecture)  
Analyzing and designing information systems. Information gathering, cost-benefit analysis, systems modeling techniques and prototyping.  
Transfer Information: CSU Transferable
CIS 244 UML For Business Processes (2 Units)
Course Advisories: CIS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 52 (36 lecture)
Using Unified Modeling Language (UML) for systems analysis and design.
Transfer Information: CSU Transferable

CIS 245 IT Project Management (4 Units)
Course Advisories: CIS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
Hours: 54 (54 lecture)
Introduction to the management of information technology.
Transfer Information: CSU Transferable

CIS 247 Managing Information Systems for the Entrepreneur (2 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Introduction to management of information technology for the entrepreneur.

CIS 251 Advanced SQL Server Programming (4 Units)
Course Advisories: CIS 231.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
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

CIS 253 Business Intelligence with Microsoft SQL Server (4 Units)
Course Advisories: CIS 238.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 Microsoft System Center Configuration Manager Administration (3 Units)
Course Advisories: CIS 206.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 259 Work Experience In Computer Information Systems (1-4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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. 75 hours of work experience = 1 unit of credit. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

CIS NC003 Installing and Configuring Windows Server (0 Units)
Hours: 36 (36 lecture)
Course introduces students to the process of installing and configuring a Windows server. Course restricted to 98 repetitions

CIS NC004 Administering Windows Server (0 Units)
Hours: 36 (36 lecture)
Course provides students with the skills required to administer Windows servers. Course restricted to 98 repetitions

CIS NC005 VMware vSphere Install and Configure (0 Units)
Hours: 27 (27 lecture)
Introduction to VMware vSphere, with an emphasis on the installation and configuration of the product. Course restricted to 98 repetitions

CIS NC006 VMware vSphere Advanced Management (0 Units)
Hours: 27 (27 lecture)
Managing advanced features of VMware vSphere. Course restricted to 98 repetitions

Noncredit Courses

CIS NC003 Installing and Configuring Windows Server (0 Units)
Course Advisories: CIS 231.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
Hours: 72 (72 lecture)
Using Unified Modeling Language (UML) for systems analysis and design.
Transfer Information: CSU Transferable
CNEE 101 Introduction To Computer Network Technology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 54 (54 lecture)
Technical introduction to data communications and networks. It provides a thorough understanding of basic network components, and how they're implemented in a system. Topics include data communications hardware and software, transmission methodologies and rates, standards, protocols, terminology and concepts.
Transfer Information: CSU Transferable, UC Transferable

CNEE 102 Managing and Maintaining Computer Hardware - A+ (3 Units)
Skills Advisories: Eligibility for ENG 110, ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 72 (45 lecture, 27 lab)
Technical introduction to managing and maintaining computer hardware. Prepares for A+ Hardware Certification exam. Includes hands-on lab activities.
Transfer Information: CSU Transferable

CNEE 106 Telecommunications And WAN (3 Units)
Skills Advisories: Eligibility for ENG 98.
Hours: 54 (54 lab)
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 110 Networking Essentials (3 Units)
Course Advisories: CNEE 102.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 90 (36 lecture, 54 lab)
Introduction to networking components and systems. 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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
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 Fundamentals Of Network Security (3 Units)
Course Advisories: CNEE 110.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 90 (36 lecture, 54 lab)
Fundamentals of network security 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 Internetworking With Tcp/Ip (3 Units)
Course Advisories: CNEE 110.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 90 (36 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 CCNA I: Introduction To Switching and Routing (5 Units)
Course Advisories: CNEE 110.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
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 and Wireless (5 Units)
Course Advisories: CNEE 125.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 126 (72 lecture, 54 lab)
Transfer Information: CSU Transferable

CNEE 135 CCNP 1: Advanced Routing (4 Units)
Course Advisories: CNEE 126.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 108 (54 lecture, 54 lab)
Advanced Cisco routing configurations: OSPF, EIGRP, IS-IS, BGP and extended IP addressing. Designed to provide classroom and laboratory experience in current and emerging technologies leading to CCNP certification exam.
Transfer Information: CSU Transferable

CNEE 137 CCNP 3: Multi-Layer Switching (4 Units)
Course Advisories: CNEE 126.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 108 (54 lecture, 54 lab)
Layers 2 and 3 switching. VLANs and routing. Third semester for Cisco Certified Network Professional. Provides classroom and laboratory experience in current and emerging technologies leading to Cisco certification.
Transfer Information: CSU Transferable
CNEE 138 Ccnp 4: Network Troubleshooting (4 Units)
Course Advisories: CNEE 137.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 108 (54 lecture, 54 lab)
Cisco routers and switches trouble-shooting. Fourth semester for Cisco Certified Network Professional. Provides classroom and laboratory experience in trouble-shooting leading to CCNP.
Transfer Information: CSU Transferable

CNEE 146 Firewalls and VPNs (4 Units)
Course Advisories: CNEE 125.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
Hours: 108 (54 lecture, 54 lab)
Cisco advanced course on installation, configuration and operation of network security on Cisco routers and firewalls: AAA, access control, intrusion detection, NAT, and VPNs.
Transfer Information: CSU Transferable

CNEE 175 Cisco Network Associate Review (1.5 Unit)
Course Advisories: CNEE 126.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
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.
Skills Advisories: Eligibility for ENG 110 or 110H and proficiency in MATH 4 or MATH 41.
Hours: 72 (45 lecture, 27 lab)
Introduction to MS Windows network infrastructure. Installation, configuration, management and support of DHCP, DNS, WEB, 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

Noncredit Courses
CNEE NC070 Introduction to Hand-held Devices (0 Units)
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 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.

CNEE NC071 Tech Talk: What's New in Computers and Technology? (0 Units)
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. This course may be taught bilingually.

CNEE NC102 Optimize and Upgrade Your PC (0 Units)
Hours: 25 (25 lecture)
Students learn hardware and software tools and strategies to improve the productivity and increase the efficiency of PC systems. Course 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

CNEE NC103 Keeping a PC Hard Disk Clean and Organized (0 Units)
Hours: 10 (10 lecture)
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
Credit Courses

CS 101 Computer Concepts (4 Units)
Skills Advisories: MATH 95 and Eligibility for ENG 103.
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 D2: Comm/Analytic Think
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: CS 101 combined with CIS 101: maximum credit, one course.

CS 104 Introduction to Programming (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 200.
Skills Advisories: Eligibility for ENG 103.
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
C-ID: COMP 122.

CS 106 Theory and Practice II (3 Units)
Prerequisites: CS 105.
Skills Advisories: Eligibility for ENG 103.
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.
Skills Advisories: Eligibility for ENG 103.
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
C-ID: COMP 142.

CS 108 Discrete Structures (4 Units)
Prerequisites: MATH 150.
Skills Advisories: Eligibility for 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.
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

CS 111 HTML And Webmastering (3 Units)
Skills Advisories: Eligibility for ENG 103.
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 115 Javascript And Dynamic HTML (3 Units)
Course Advisories: CS 111.
Skills Advisories: Eligibility for ENG 103.
Hours: 90 (36 lecture, 54 lab)
Project-oriented introduction to JavaScript programming, and using JavaScript with Cascading Style Sheets to implement cutting-edge Web page effects with Dynamic HTML.
Transfer Information: CSU Transferable

CS 116 Web Server Programming (3 Units)
Course Advisories: CS 111 or CS 120.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 123 Android Programming (1.5 Unit)
Course Advisories: CS 120 or 125.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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)
Skills Advisories: Eligibility for ENG 103.
Hours: 90 (36 lecture, 54 lab)
Proficiency in MATH 104 or 107 or 111. Introduction to digital systems and logic design. Logic of propositions, boolean algebra, minterm and maxterm expansions, Karnaugh maps, Quine-McCluskey methods, multilevel 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)
Course Advisories: CS 100 or CIS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and MATH 107.
Hours: 90 (36 lecture, 54 lab)
General philosophy of programming for engineering majors. Students are introduced to a modern programming language (Matlab). Specific areas of study include algorithms, basic decision structures, arrays, matrices and graphing.
Transfer Information: CSU Transferable, UC Transferable

CS 135 Programming Fundamentals (3 Units)
Course Advisories: CS 101 or CS 200.
Skills Advisories: Eligibility for ENG 103.
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 137 C Programming (3 Units)
Course Advisories: CS 107 or CS 105.
Skills Advisories: Eligibility for ENG 103.
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.
Skills Advisories: Eligibility for ENG 103.
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 or CS 140.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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

CS 180 Software Engineering With UML (3 Units)
Course Advisories: CS 105.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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

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. There is an emphasis on leadership skills, team dynamics, and team problem solving.
Transfer Information: CSU Transferable

CS 200 Introduction to Programming (4 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 72 (72 lecture)
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.
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.
Transfer Information: CSU Transferable

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, layout, rafter design, rake walls and cornice treatment.
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 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 roof rafter calculations, rafter length calculation, and stair stringer calculation.
Transfer Information: CSU Transferable

CT 117 Blueprint Reading (3 Units)
Skills Advisories: Math 1.
Hours: 54 (54 lecture)
Overview of blueprints, plans and specifications; symbols used in residential construction. Designed for continuing students who have taken CT 110 and carpenters with some experience in residential construction. Topics include design, planning, demolition, tie-in, green applications and safety.
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 roof rafter calculations, rafter length calculation, and stair stringer calculation.
Transfer Information: CSU Transferable

CT 119 Construction Remodel (4.7 Units)
Hours: 144 (54 lecture, 90 lab)
Theory and skills for residential home remodeling. Designed for continuing students who have taken CT 110 and carpenters with some experience in residential construction. Topics include design, planning, demolition, tie-in, green applications and safety.
Transfer Information: CSU Transferable

CT 120 Building Green (4 Units)
Hours: 72 (72 lecture)
Overview of Green Building approach to design, planning and construction details of sustainable building, including site protection, water conservation and management. Topics include safety, layout, rafter design, rake walls and cornice treatment.
Transfer Information: CSU Transferable

CT 121 Blueprint Reading for Electricians (3 Units)
Skills Advisories: Eligibility for English 98 and 103.
Hours: 54 (54 lecture)
Overview of blueprints, plans and specifications; symbols used in electrical-related trades; preparation and use of as-built drawings, wiring and line diagrams, schematics and ladder diagrams. (Approved School #138 for California Electrician Trainees)
Transfer Information: CSU Transferable

CT 122 Building Green (6 Units)
Hours: 108 (108 lecture)
Overview of Green Building approach to design, planning and construction details of 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 127 Sustainability Audit (3 Units)
Hours: 72 (45 lecture, 27 lab)
Overview of whole-house or sustainability audit, (energy, water, indoor air quality, landscape), in residential construction. Topics include: career and business opportunities, comprehensive audit categories, the audit process, auditing tools and diagnostic tests, site inspection, surveys and recommendations.
Transfer Information: CSU Transferable

CT 128 Beginning Plumbing (3 Units)
Hours: 72 (45 lecture, 27 lab)
Overview of plumbing in residential construction. Topics include supply and DWV systems, materials, connections, tools used, fixtures, code requirements, etc.
Transfer Information: CSU Transferable

CT 129 Construction Estimation (3 Units)
Hours: 54 (54 lecture)
Introduction to estimating in residential construction. Topics include current estimation programs, software, material and labor calculations, take-offs from blueprints, carpentry and other-trade estimating, etc.
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 153 Electrical Mathematics (3 Units)
Skills Advisories: Math 1.
Hours: 54 (54 lecture)
Basic mathematics and its application to electrical and other technologies. Topics in arithmetic, common fractions, decimal fractions, percentages, graphs, measurement and introduction to algebra are covered. (Approved School #138 for California Electrician Trainees)

CT 194 Introduction to National Electrical Code (3 Units)
Skills Advisories: Eligibility for English 98 and 103.
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)
Skills Advisories: Eligibility for English 98 and 103.
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)

CT 290 Work Experience In Construction Trades (1-4 Units)
Hours: 300 (300 lab)
Work experience on a construction job or project plus attending one orientation plus a monthly meeting. Students perform assigned responsibilities as an employee, follow employer's rules, regulations, and policies, write learning objectives, keep a record of time worked and secure employer's evaluation at the end of the semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable
Noncredit Courses

CT NC001 Construction Framing (0 Units)
Hours: 12 (12 lecture)
This is a beginning course in residential construction framing (house building). 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. Hands-on practice will use the typical tools of the trade: hammering, tape measure, chalk-line, speed-square, skilsaw, sawzall, nail gun, etc. This class is intended to give an overview of the construction process, and practice in basic tool use. Course restricted to 98 repetitions

CT NC002 Construction Finish Carpentry (0 Units)
Hours: 12 (12 lecture)
This is a beginning course in residential construction finish carpentry (house building). 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 introduction to tool use and finishes, scope of residential finish work, demonstration and practice of finish work (base, case, crown, closets, doors, floors). Hands-on practice will use the typical tools of the trade. This class is intended to give an overview of residential finish work and practice in basic tool use. Course restricted to 98 repetitions

CT NC003 Construction Electrical (0 Units)
Hours: 12 (12 lecture)
This is a beginning course in residential construction electrical work. 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 introduction to home electrical systems, electrical and jobsite safety, tool use and materials identification. Hands-on practice will use the typical tools of the trade. This class is intended to give an overview of the electrical systems, and practice in basic tool use. Course restricted to 98 repetitions

CT NC004 Construction Plumbing (0 Units)
Hours: 12 (12 lecture)
This is a beginning course in residential construction plumbing. 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 introduction to home plumbing systems and materials, working with piping, installing fixtures, and trouble shooting. Hands-on practice will use the typical tools of the trade. This class is intended to give an overview of the plumbing systems, and practice in basic tool use. Course restricted to 98 repetitions

CT NC011 Intermediate Construction Framing (0 Units)
Hours: 24 (12 lecture, 12 lab)
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, l joists, roof trusses, horizontal openings, etc. Hands-on practice will use the typical tools of the trade.

CT 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

CT NC013 Intermediate Construction Electrical (0 Units)
Hours: 12 (12 lecture)
Intermediate course in construction 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

CT 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

CT NC121 Blueprint Reading for Electricians (0 Units)
Hours: 54 (54 lecture)
Overview of blueprints, plans and specifications; symbols used in electrical-related trades; and preparation and use of as-built drawings, wiring and line diagrams, schematics and ladder diagrams. (Approved School #136 for California Electrician Trainees). Course restricted to 98 repetitions

CT NC132 Lighting Systems (0 Units)
Hours: 54 (54 lecture)
Basic function, operation, installation and characteristics of various lighting systems. Course restricted to 98 repetitions

CT 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

CT NC134 Transformers (0 Units)
Hours: 54 (54 lecture)
Basic function, operation, installation and characteristics of various transformers. Course restricted to 98 repetitions

CT NC135 Electronics (0 Units)
Hours: 54 (54 lecture)
Basic function, operation, installation and characteristics of various electronic equipment. Course restricted to 98 repetitions

CT 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

CT 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

CT NC138 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
COSMETOLOGY (CSMT)

Credit Courses

CSMT 121 Introduction to Cosmetology-Module 1 (12 Units)
Hours: 360 (144 lecture, 216 lab)
First of five consecutive segments of instruction. Designed as preparation for the Board of Barbering and Cosmetology Exam and successful career as a cosmetologist. Includes orientation, basic hair styling, manicuring, facials, make-up, permanent waving and scalp treatments, among other care regimens.

CSMT 122 Introduction to Cosmetology-Module 2 (12 Units)
Prerequisites: CSMT 121.
Hours: 360 (144 lecture, 216 lab)
Second of five consecutive segments of instruction. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes orientation, basic hair styling, manicuring, facials, make-up, permanent waving and scalp treatments, among other care regimens.

CSMT 123 Introduction to Cosmetology-Module 3 (12 Units)
Prerequisites: CSMT 122.
Hours: 360 (144 lecture, 216 lab)
Third of five consecutive segments of instruction. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes hair design, manicuring and pedicuring, among other care regimens.

CSMT 124 Introduction to Cosmetology-Module 4 (12 Units)
Prerequisites: CSMT 123.
Hours: 360 (144 lecture, 216 lab)
Fourth of five consecutive segments of instruction. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes advanced hair design, among other care regimens.

CSMT 125 Introduction to Cosmetology-Module 5 (12 Units)
Prerequisites: CSMT 124.
Hours: 360 (144 lecture, 216 lab)
Fifth of five consecutive segments of instruction. Designed toward preparation for the Board of Barbering and Cosmetology Exam. Includes hair design, manicuring and pedicuring, among other care regimens.

CSMT 131 Esthetician Training-Module 1 (12 Units)
Prerequisites: CSMT 121.
Hours: 360 (144 lecture, 216 lab)
First of two consecutive segments of instruction. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes basic skin care, analysis of the skin, massage manipulations and temporary hair removal, among other care regimens.

CSMT 132 Esthetician Training-Module 2 (12 Units)
Course Advisories: CSMT 131.
Hours: 360 (144 lecture, 216 lab)
Second of two consecutive segments of instruction. Designed as preparation for the Board of Barbering and Cosmetology Exam. Includes advanced skin care procedures and techniques, among other care regimens.
CULINARY ARTS (CA)

Credit Courses

CA 111 Hospitality Controls (2 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103 and proficiency in MATH 4 or MATH 41.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 115A Catering Prep (0.5 Units)
Corequisites: CA 113.
Limitations on Enrollment: Completion of departmental enrollment procedures.
Skills Advisories: Math 95 and Eligibility for ENG 110 or ENG 110H.
Hours: 27 (27 lab)
Structured on-the-job experience in preparing for various campus catering functions.
Transfer Information: CSU Transferable

CA 115B Catering Service (0.5 Units)
Prerequisites: CA 115A.
Hours: 27 (27 lab)
Structured on-the-job experience in serving campus catering functions.
Students will cook and serve breakfast, lunch and/or dinner catered events.
Transfer Information: CSU Transferable

CA 115C Catering Kitchen (0.5 Units)
Prerequisites: CA 115B.
Hours: 27 (27 lab)
Structured on-the-job experience in cooking for various campus catering functions.
Transfer Information: CSU Transferable

CA 115D Catering Organization (0.5 Units)
Prerequisites: CA 111, CA 115C and CA 129.
Hours: 27 (27 lab)
Structured on-the-job experience in organizing various campus catering functions.
Transfer Information: CSU Transferable

CA 116 Introduction To The Food Service Profession (2 Units)
Limitations on Enrollment: Completion of departmental enrollment procedures.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (36 lecture)
Introduction to the food service profession. 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.
Skills Advisories: MATH 095 and Eligibility for ENG 110 or ENG 110H.
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 121 Principles Of Pantry (2 Units)
Limitations on Enrollment: Completion of departmental enrollment procedures.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (18 lecture, 54 lab)
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: Completion of program enrollment.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (18 lecture, 54 lab)
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 and CA 116.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (36 lecture)
Limitation on enrollment: Admission to Program. Designed to provide students with the principles of supervision as they apply specifically to the hospitality industry.
Transfer Information: CSU Transferable

CA 200 Food Service Practicum (2 Units)
Prerequisites: CA 113 and CA 117.
Hours: 108 (108 lab)
Hands-on lab experience in a working kitchen. The acquisition and practice of basic skills needed. Practical techniques required to produce quality soups, sauces, entrees, starches and vegetables emphasized.
Transfer Information: CSU Transferable
CA 201 Wines (2 Units)
Course Advisories: CA 201.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 202A The Wines Of Italy (2 Units)
Limitations on Enrollment: Health and Safety regulations.
Course Advisories: CA 201.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (36 lecture)
Students must be 21 years of age to participate in wine tasting. In-depth study of the wines of Italy, covering the regions, grape varieties, history and laws of Italian wine production.
Transfer Information: CSU Transferable

CA 202B Wines Of Bordeaux And Burgundy (2 Units)
Limitations on Enrollment: Health and Safety regulations. Health and Safety regulations
Course Advisories: CA 201.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 38 (38 lecture)
Limitation on Enrollment: Health and Safety regulations In-depth study of the wines of Bordeaux and Burgundy, covering the regions, grape varieties, history and laws of French wine production.
Transfer Information: CSU Transferable

CA 202C Wines Of France (2 Units)
Limitations on Enrollment: Health and Safety regulations.
Course Advisories: CA 201.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (36 lecture)
Students must be 21 years of age to participate in wine tasting. In-depth study of the wines of France, covering the regions, grape varieties, history and laws of French wine production.
Transfer Information: CSU Transferable

CA 202D Wines Of California (2 Units)
Limitations on Enrollment: Health and Safety Regulations.
Course Advisories: CA 201.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 36 (36 lecture)
Students must be 21 years of age to participate in wine tasting. In-depth study of the top AVAs of California, focusing on six major grape varietals and discovering why these are known for the wines made from these varietals.
Transfer Information: CSU Transferable

CA 202E Wines Of Spain & Portugal (2 Units)
Limitations on Enrollment: Health and Safety Regulations.
Course Advisories: CA 201.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 36 (36 lecture)
Students must be 21 years of age to participate in wine tasting. In-depth study of Spain and Portugal's wines. Focusing on the major influences on wine and viticulture: Climate, cuisine, history and culture of the Iberian peninsula.
Transfer Information: CSU Transferable

CA 203 Restaurant Service And Production (8 Units)
Prerequisites: CA 200.
Hours: 450 (450 lab)
Hands-on experience in the operation of a restaurant in both front of the house and the kitchen.
Transfer Information: CSU Transferable

CA 204 Advanced Restaurant And Culinary (4 Units)
Prerequisites: CA 203.
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 121.
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 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 203.
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 117.
Skills Advisories: Eligibility for ENG 98 and 103.
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 227 Cake Baking and Decorating (2 Units)  
Hours: 72 (18 lecture, 54 lab)  
Covering all the steps in producing quality professional cakes. From mixing techniques to baking and decorating.  
Transfer Information: CSU Transferable

CA 230 Food Service: Nutrition (2 Units)  
Skills Advisories: Eligibility for ENG 98 and 103.  
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 217.  
Skills Advisories: MATH 95 and eligibility for ENG 110 or ENG 110H.  
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 241 Farmers And Chefs (2 Units)  
Prerequisites: CA 116 and CA 117.  
Hours: 54 (27 lecture, 27 lab)  
Study of the relationship between farm and kitchen. Examines the effects the seasons, market forces, transportation and the farmer have on the raw ingredients, their quality, quantity and availability to the chef. Also covers the effects the chef, food trends, environmental and social issues have on what is produced by the farmer.  
Transfer Information: CSU Transferable

CA 241B The Cuisine of France (2 Units)  
Skills Advisories: Eligibility for ENG 110 or 110H.  
Hours: 36 (36 lecture)  
In-depth study of the foods of France, covering the regions, culture and history of French food production and usage.  
Transfer Information: CSU Transferable

CA 245B The Cuisine of Italy (4 Units)  
Hours: 108 (54 lecture, 54 lab)  
Study of the cuisine of Italy, covering the regions, culture and history of food and beverage production and usage.  
Transfer Information: CSU Transferable

CA 245C Cuisine of Spain and Portugal (4 Units)  
Hours: 72 (72 lecture)  
Study of the cuisine of Spain and Portugal, covering the regions, culture and history of food and beverage production and usage.  
Transfer Information: CSU Transferable

CA 261 Restaurant Ownership (2 Units)  
Prerequisites: CA 111 and CA 129.  
Skills Advisories: Eligibility for ENG 98 and 103.  
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 113 and 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 (3 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

**Noncredit Courses**

CA NC013 ServSafe Food Safety Preparation Certificate: Module A (0 Units)  
Hours: 30 (20 lecture, 10 lab)  
This course is Module A of a two-part course of study designed to provide students with information for all levels of employees on all aspects of handling food, from receiving and storing to preparing and serving. The emphasis of the course is to enhance safety and hygiene in the food industry. Course restricted to 98 repetitions

CA NC014 ServSafe Food Safety Preparation Certificate: Module B (0 Units)  
Hours: 30 (20 lecture, 10 lab)  
This course is Module B of a two-part course of study designed to provide students with information for all levels of employees on all aspects of handling food, from receiving and storing to preparing and serving. The emphasis of the course is to enhance safety and hygiene in the food industry. Upon completion of Module A&B, student will be prepared to take the ServeSafe Food handlers Examination. Course restricted to 98 repetitions
DIAGNOSTIC MEDICAL SONOGRAPHY (DMS)

Credit Courses

DMS 148 Clinical Experience 1A (4.4 Units)
Prerequisites: DMS 165.
Hours: 240 (240 lab)
Introduction to the clinical setting and exposure to departmental organization, policies and procedures, patient flow and observation of clinical case techniques and protocols.
Transfer Information: CSU Transferable

DMS 149 Clinical Experience 1B (4.4 Units)
Prerequisites: DMS 148.
Hours: 240 (240 lab)
Continuation of clinical experience. Exposure to departmental organization, policies and procedures, patient flow and observation of clinical case techniques and protocols.
Transfer Information: CSU Transferable

DMS 150 Physics And Instrumentation (3 Units)
Prerequisites: · Anatomy (i).
Limitations on Enrollment: Other: Completion of 24 month allied health education program that is patient-care related and included 6 months clinical experience: Radiographic/Radiologic Technician (R.
Hours: 54 (54 lecture)
T.), Respiratory Therapist (R.T.), Registered Nurse (R.N.), Occupational Therapist (O.T.), Physical Therapist (P.T.), etc.) OR Bachelor’s degree with the following e. BioMed 107) 4 units · Physiology (i.e. BioMed 108) 4 units · Medical Termin. (i.e. Hlth Tech 120) 1 unit · Patient Care (i.e. R.T. 120) 2 units OR Medical Doctor (M.D.) or Doctor of Osteopathy (D.O.) degrees from in or outside the U.S., equivalent to those of the U.S. and Canada. Introduction to the basic acoustical physics and acoustical waves in human tissue. Emphasis is on ultrasound transmission in soft tissues, attenuation of sound energy, parameters affecting sound transmission and resolution of sound beams.
Transfer Information: CSU Transferable

DMS 155 Abdominal And Small Parts Scanning (3 Units)
Limitations on Enrollment: Health and Safety regulations.
Hours: 90 (36 lecture, 54 lab)
Interpretation of normal anatomy, sonographic and gross anatomy, demonstrating scanning techniques, and identifying normal sonographic protocols for abdomen and small parts.
Transfer Information: CSU Transferable

DMS 156 Ob/Gyn Scanning (2.7 Units)
Prerequisites: DMS 155, RT 120 and RT 250.
Hours: 72 (36 lecture, 36 lab)
Interpretation of normal anatomy, sonographic and gross anatomy, demonstrating scanning techniques, and identifying normal sonographic protocols for OB/GYN.
Transfer Information: CSU Transferable

DMS 160 Pathophysiology (3 Units)
Prerequisites: DMS 150 and DMS 155.
Hours: 54 (54 lecture)
Specific study of pathology and pathophysiological mechanisms related to diagnostic medical sonography.
Transfer Information: CSU Transferable

DMS 165 Abdominal And Small Parts Scanning And Pathology (3 Units)
Prerequisites: DMS 155 and DMS 150.
Hours: 90 (36 lecture, 54 lab)
Interpretation of normal and abnormal anatomy of abdomen and small parts. Sonographic and gross anatomy, comparing one disease to another. Identification of pathophysiological anatomic structures in various sonographic planes and images.
Transfer Information: CSU Transferable

DMS 166 Ob/Gyn Scanning And Pathology (2 Units)
Prerequisites: DMS 156, DMS 160, DMS 165 and DMS 182.
Hours: 36 (36 lecture)
Interpretation of normal and abnormal OB/GYN anatomy, sonographic and gross anatomy, comparing one pathological condition to another. Identification of pathophysiological anatomic structures in various sonographic planes and images.
Transfer Information: CSU Transferable

DMS 170 Introduction To Vascular Ultrasound (4 Units)
Prerequisites: DMS 150, DMS 182, DMS 165 and DMS 160.
Hours: 108 (54 lecture, 54 lab)
Introduction to Doppler (color flow), with a hands-on approach. Overview of normal and pathological sonographic data: arterial and venous peripheral vascular, abdominal vasculature, and extracranial carotid.
Transfer Information: CSU Transferable

DMS 182 Clinical Experience 1 (8.5 Units)
Prerequisites: RT 120, RT 250, DMS 155, DMS 150, DMS 165, DMS 160.
Limitations on Enrollment: Health and Safety regulations.
Hours: 460 (460 lab)
Continuation of clinical experience. Exposure to departmental organization, policies and procedures, patient flow, darkroom and processing procedures, and observation of clinical case techniques and protocols.
Transfer Information: CSU Transferable

DMS 183 Clinical Experience 2 (9.5 Units)
Hours: 512 (512 lab)
Continuation of clinical experience. Exposure to departmental organization, policies and procedures, patient flow, darkroom and processing procedures, observation of clinical case techniques and protocols. Beginning hands-on experience and equipment setup.
Transfer Information: CSU Transferable

DMS 184 Clinical Experience 3 (2.4 Units)
Prerequisites: DMS 183, DMS 166 and DMS 170.
Hours: 128 (128 lab)
Clinical experience in ultrasound: equipment handling, patient management, as well as departmental operations and scope.
Transfer Information: CSU Transferable

DMS 185 Clinical Experience 4 (8.5 Units)
Corequisites: DMS 184.
Hours: 460 (460 lab)
Advanced clinical experience, including sonographic study of the abdomen, small parts, and pelvis as well as OB/Gyn exams to identify normal anatomy and pathologic conditions.
Transfer Information: CSU Transferable
DMS 250 Sonography Interpretation (3 Units)
Prerequisites: DMS 183.
Hours: 54 (54 lecture)
Interpretation and critique of normal anatomy with correlation of didactic, clinical presentations and critiques. Written and oral case presentations with emphasis on OB/GYN subjects.
Transfer Information: CSU Transferable

DMS 290 Work Experience in Sonography (1-4 Units)
Limitations on Enrollment: Enrollment in a Sonography course, or current Sonography license and at least one year’s experience as a licensed Sonographer in a medical establishment within the preceding three years.
Hours: 300 (300 lab)
Consists of supervised on-the-job work experience for students whose sonography career objectives and course of study or employment complement each other. Students must accomplish specific course objectives. Students must work 75 paid hours or 60 non-paid hours per unit earned. Course restricted to 3 repetitions
Transfer Information: CSU Transferable
DISABLED STUDENT SERVICES (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
DRAFTING/CAD (DRFT)

Credit Courses

DRFT 101 Basic Drafting (3 Units)
Skills Advisories: MATH 1 and eligibility for ENG 103.
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)
Skills Advisories: MATH 1 and eligibility for ENG 103 Fundamental Concepts in architectural drafting.
Hours: 72 (45 lecture, 27 lab)
F, S - CSU, UC Topics will 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.
Skills Advisories: MATH 1 and eligibility for ENG 103.
Hours: 72 (45 lecture, 27 lab)
Topics include drafting standards, conventions, CAD standards, MasterFormat, and construction documents. Emphasis in project deliverables includes cover sheet, site plan, floor plans, roof plan, elevations, sections, wall sections, schedules, interior elevations, details, manual and computer-aided drafting tools, and output/delivery methods.
Transfer Information: CSU Transferable, UC Transferable

DRFT 124 Architectural Rendering I (3 Units)
Skills Advisories: MATH 1 and eligibility for ENG 103.
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.
Skills Advisories: MATH 1 and eligibility for ENG 103.
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)
Skills Advisories: MATH 1 and eligibility for ENG 103.
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)
Prerequisites: EH 126 or DRFT 126.
Skills Advisories: MATH 1 and eligibility for ENG 103.
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)
Skills Advisories: MATH 1 and eligibility for ENG 103.
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.
Skills Advisories: MATH 1 and eligibility for ENG 103.
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
UC Transfer Limit: DRFT 130/ENGR 130, DRFT 131/ENGR 131 and DRFT 132/ENGR 132 combined: maximum credit, one course.

DRFT 131 Computer-Assisted Drafting And Design II (5 Units)
Prerequisites: DRFT 130.
Skills Advisories: MATH 1 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
UC Transfer Limit: DRFT 130, 131, and 132 combined: maximum credit, one course.

DRFT 132 CAD Drafting/Design III (5 Units)
Course Advisories: DRFT 129.
Skills Advisories: Eligibility for English 103 and Math 1.
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
UC Transfer Limit: DRFT 130, 131, and 132 combined: maximum credit, one course.

DRFT 142 Product Design Fundamentals (3 Units)
Skills Advisories: Eligibility for ENG 103 and MATH 1.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1.
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 146 3D Printing Fundamentals (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1.
Hours: 72 (45 lecture, 27 lab)
Fundamentals of 3D Printing. Topics include history of 3D printing, the present state of rapid prototyping, the future of rapid prototyping, best practices, materials for additive manufacturing, and the business side of additive manufacturing. Identifying sources for 3D printing. Operation, servicing and maintenance of 3D printers. Legal aspects and ramifications of rapid prototyping.
Transfer Information: CSU Transferable

DRFT 148 3D Modeling with Solid Works (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1.
Hours: 72 (45 lecture, 27 lab)
3D modeling with Solid Works and ProE.
Transfer Information: CSU Transferable

DRFT 150 Intro to Landscape Architecture (3 Units)
Hours: 72 (45 lecture, 27 lab)
Introduces students to the nature and practice of Landscape Architecture. Core elements of the course examine the history, theories, design principles, ecology, and the latest professional and educational developments in the field of Landscape Architecture.
Transfer Information: CSU Transferable, UC Transferable

DRFT 151 Landscape Architecture Design Studio I (5 Units)
Corequisites: DRFT 150.
Hours: 126 (72 lecture, 54 lab)
Prerequisites or This course explores design principles, materials, and issues relevant to landscape architecture. Emphasizing the design process, topics include: site analysis, design synthesis, and methods to communicate intended concepts and ideas. Builds on the principles and techniques covered in Intro to Landscape Architecture.
Transfer Information: CSU Transferable

DRFT 152 Landscape Architecture Design Studio II (5 Units)
Corequisites: DRFT 151.
Hours: 126 (72 lecture, 54 lab)
Prerequisite or Development of design principles and processes of landscape architecture through complex design projects. The course examines large-scale landscape planning & urban design projects and approaches towards balancing ecological health and public needs. Emphasis on program development, site suitability, and design for human behavior & comfort. Explores sustainable practices across environmental, sociocultural, and economic realms.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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

Noncredit Courses
DRFT 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 development, best practices, materials for additive manufacturing, applications. Identifying sources for 3-D printing. Software appropriate for rapid prototyping. Service and maintenance of 3-D printers

DRFT 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.
EARLY CHILDHOOD EDUCATION (ECE)

Credit Courses

ECE 102 Child, Family and Community (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable
C-ID: CDEV 110.

ECE 103 Foundations of ECE I Principles (5 Units)
Course Advisories: ECE 102 and 120 or PSY 140.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: ECE 120, ECE-103.

ECE 104 Foundations of ECE II Practicum (5 Units)
Prerequisites: ECE 102 and 103 and 108 and 120 or PSY 140.
Skills Advisories: Eligibility for ENG 98 and 103.
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
C-ID: ECE 210.

ECE 107 Administration Of Child Development Programs I (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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. 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.
Transfer Information: CSU Transferable

ECE 108 Creative Learning and Curriculum (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: ECE 130.

ECE 109 Family-Teacher-Child Relationships (3 Units)
Limitations on Enrollment: 12 ECE core units according to Community Care Licensing.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C2, CSU Transferable, UC Transferable

ECE 117 Adult Supervision and Mentoring (3 Units)
Prerequisites: ECE 102 and 103 and 108 and 120.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.

SBC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D7, CSUGE Area E, IGETC Area 4G, CSU Transferable, UC Transferable
C-ID: CDEV 100.

ECE 121 Health, Safety And Nutrition For Young Children (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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
C-ID: ECE 220.

ECE 123 Children with Special Needs (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: ECE 230.

ECE 124 Working With School-Age Children (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: ECE 240.

ECE 126 Pre-K Development Guidelines (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 9 (9 lecture)
Students learn what constitutes high-quality programming across a broad spectrum of curriculum and practice for preschools. Presented in the context of California’s move toward higher expectations for all students at the elementary and secondary school levels. Clear guidelines present a broad picture of programming that can be adjusted to meet the needs of California’s diverse preschool settings and communities.

Transfer Information: CSU Transferable
C-ID: ECE 260.

ECE 128 Observation and Assessment (3 Units)
Prerequisites: ECE 102 and ECE 120 and ECE 108 and ECE 103.
Skills Advisories: Eligibility for ENG 98 and ENG 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
C-ID: ECE 200.

ECE 129 ECE Special Education (3 Units)
Skills Advisories: Eligibility for English 98 and 103.
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
C-ID: ECE 210.

ECE 130 Human Development and Early Intervention Services (3 Units)
Skills Advisories: Eligibility for English 98 and 103.
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.

SBC General Education: SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSU Transferable
C-ID: ECE 230.

ECE 131 The Developing Bilingual Child (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.

SBC General Education: SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSU Transferable
C-ID: ECE 231.

ECE 132 Teaching in a Diverse Society (3 Units)
Skills Advisories: Eligibility for English 98 and 103.
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.

SBC General Education: SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSU Transferable
C-ID: ECE 232.

ECE 133 Introduction to Autism Spectrum Disorders (3 Units)
Prerequisites: ECE 102 and ECE 120 or PSY 140.
Skills Advisories: Eligibility for ENG 98 and 103.
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
C-ID: ECE 233.
ECE 141 Development And Caregiving Of Infants And Toddlers (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for English 98 and 103.
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

ECE 151B Leadership In Early Childhood Education (1 Unit)
Prerequisites: ECE 117.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and 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 152D Working With Aggression In Children (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
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 98 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 152F Leadership In Early Childhood Education (1 Unit)
Prerequisites: ECE 117.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 153A Use Of The Community As Curriculum (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
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 153B Issues In Parenting (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
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 153C Child And Family Abuse: The Teacher's Role (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
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 153D Working With Challenging Families (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
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 153E Working With Challenging Families (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
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 153F Holiday Celebrations For Young Children (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 18 (18 lecture)
One of a variety of ECE Department courses on 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)
Skills Advisories: Eligibility for ENG 98 and 103.
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 290 Work Experience In Early Childhood Education (1-3 Units)
Limitations on Enrollment: 6 ECE units, according to Community Care Licensing.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
Noncredit Courses

ECE NC005 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
Transfer Information: Inmate Course

ECE 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

ECE NC011 Child, Family, Community at the Parent-Child Workshop (0 Units)
Hours: 127.5 (42.5 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

ECE 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
EARTH AND PLANETARY SCIENCES (ERTH)

Credit Courses

ERTH 101 Introductory Astronomy (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable
UC Transfer Limit: ERTH 101 and 10H combined: Maximum credit, one course.

ERTH 101H Introductory Astronomy, Honors (4 Units)
Limitations on Enrollment: Admission to Program.
Course Advisories: ERTH 102.
Skills Advisories: Eligibility for ENG 110 or 110H and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 101 and 10H combined: Maximum credit, one course.

ERC 102 Observational Astronomy Laboratory (1 Unit)
Corequisites: ERTH 101 or 101H.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
ERC 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
UC Transfer Limit: ERTH 103A, 103B, 103C combined: Maximum credit, one course.

ERC 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 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
UC Transfer Limit: ERTH 103A, 103B, 103C combined: Maximum credit, one course.

ERC 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 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
UC Transfer Limit: ERTH 103A, 103B, 103C combined: Maximum credit, one course.

ERC 104 Introductory Astrophysics (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Proficiency in MATH 104 or 107 or 111. Introductory astronomy course that integrates mathematics of physics in the study of objects in the universe.
Transfer Information: CSU Transferable, UC Transferable
ERC 105A Planetary Geology of Recent NASA Missions (1 Unit)
Hours: 18 (18 lecture)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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: CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 103A, 103B, 103C combined: Maximum credit, one course.
ERTH 111 Dynamic Earth - Physical Geology (3 Units)
Course Advisories: ERTH 111L and 131 or 132.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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. Required of all Geology majors.
SBCC General Education: SBCCGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 111 and 111H combined: maximum credit, one course.
C-ID: GEOL 100.

ERTH 112 History Of The Earth (3 Units)
Course Advisories: concurrent enrollment in ERTH 112L and ERTH 131 or ERTH 132.
Skills Advisories: Eligibility for ENG 103.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
C-ID: GEOL 110.

ERTH 111L Dynamic Earth - Physical Geology Laboratory (1 Unit)
Corequisites: ERTH 111 (prior to or concurrently) or ERTH 111H (concurrently).
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 111 and 111L combined: maximum credit, one course.
C-ID: GEOL 100L.

ERTH 113 Geology of National Parks (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Study of geologic processes and phenomena responsible for shaping the modern landscape, as exemplified with selected National Parks and Monuments. Plate tectonic setting and history emphasized. Designed to accommodate both science and non-science majors.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 113, 131, 132, 133, 135 maximum credit, one course: no credit for ERTH 113 if taken after ERTH 111, 111H or 112.

ERTH 114 The Geology Of California (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (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)
Course Advisories: Concurrent enrollment in ERTH 115/ENVS 115L and ERTH 131 or ERTH 132.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lecture
Transfer Information: CSU Transferable, UC Transferable
C-ID: GEOL 130.

ERTH 115L Environmental Geology Laboratory (1 Unit)
Corequisites: ERTH 115/ENVS 115.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lab
Transfer Information: CSU Transferable, UC Transferable
C-ID: GEOL 130L.

ERTH 116 Energy And Natural Resources (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
Hours: 54 (54 lecture)
Study of formation, exploration, development, and judicious use of natural resources in relation to present and future energy requirements, electricity, conservation, fossil fuels, solar, geothermal, nuclear and hydrogen. Required of Environmental Studies majors.
Transfer Information: CSU Transferable, UC Transferable

ERTH 120 Environmental Geology Seminar (1 Unit)
Corequisites: ERTH 111 or 112 or 111H or 115 or ENVS 115 or ERTH 113 or 114.
Hours: 18 (18 lecture)
Available to students enrolled in Earth Science courses. Attendance is required at the short course each week and select number of department-sponsored seminars, weekend field trips and lectures sponsored by professional associations and institutions. Required of Geology majors.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 121 computed as Independent Studies; see counselor.

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: CSU Transferable, UC Transferable

ERTH 125 Mineralogy And Resources (5 Units)
Course Advisories: ERTH 111 or ERTH 112 and CHEM 101.
Skills Advisories: MATH 4 and ENG 103.
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: CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 125 and 232B combined: maximum credit, one course.

ERTH 126 Petrology And Rock-Forming Minerals (5 Units)
Course Advisories: ERTH 111 or ERTH 112 and CHEM 101.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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: CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 126 and 232A combined: maximum credit, one course.

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.
Skills Advisories: Eligibility for ENG 103.
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 125 or 126 or 127 or 132 or 133 or 141 or GEOG 101 or ERTH 151.
Skills Advisories: Eligibility for ENG 103.
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
UC Transfer Limit: ERTH 113, 131, 132, 133, 135 maximum credit, one course: no credit for ERTH 113 if taken after ERTH 111, 111H or 112.
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
UC Transfer Limit: ERTH 113, 131, 132, 133, 135, 137, 138, 233 any or all
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.
Skills Advisories: Eligibility for ENG 103.
Hours: 170 (23 lecture, 147 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
UC Transfer Limit: ERTH 113, 131, 132, 133, 135, 137, 138, 233 any or all of these courses combined: maximum credit, one course.
ERTH 134 Geologic Field Studies - Western Sierra Nevada (2.5 Units)
Skills Advisories: Eligibility for ENG 103.
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 135 Geologic Field Seminar - Western North America (5 Units)
Prerequisites: ERTH 111 or ERTH 112 or ERTH 113 or ERTH 114 or ERTH 115 or ERTH 125 or ERTH 126 or ERTH 131 or ERTH 132 or ERTH 133.
Skills Advisories: Eligibility for ENG 103.
Hours: 198 (36 lecture, 162 lab)
Fee required - see department for information. A 23-day field study of the geology of the Western United States and Western Canada. Emphasis on the features, processes and geologic history of the regions' parks: Grand Teton, Yellowstone, Glacier/Waterton, Banff, Jasper, Crater Lake and Lassen National Parks. For students with previous geologic background.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 113, 131, 132, 133, 135, 137, 138, 233 any or all of these courses combined: maximum credit, one course.
ERTH 136 Geology Field Camp (4.5 Units)
Corequisites: ERTH 137.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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
UC Transfer Limit: ERTH 113, 131, 132, 133, 135, 137, 138, 233 any or all of these courses combined: maximum credit, one course.
ERTH 137 Introductory Field Geology (4.5 Units)
Prerequisites: ERTH 111 or ERTH 112 or ERTH 125 or ERTH 126 or ERTH 131 or ERTH 132 or ERTH 133.
Course Advisories: ERTH 111L or ERTH 112L.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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
UC Transfer Limit: ERTH 113, 131, 132, 133, 135, 137, 138, 233 any or all of these courses combined: maximum credit, one course.
ERTH 138 Geology Field Camp (4.5 Units)
Corequisites: ERTH 137.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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
UC Transfer Limit: ERTH 113, 131, 132, 133, 135, 137, 138, 233 any or all of these courses combined: maximum credit, one course.
ERTH 141 Physical Geography (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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: SBCGGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
C-ID: GEOG 110, GEOG 115.
ERTH 141L Physical Geography Laboratory (1 Unit)
Corequisites: ERTH 141/GEOG 101.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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: SBCGGE A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
C-ID: GEOG 111, GEOG 115.
ERTH 142 Economic Geography (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lecture)
Designed for students majoring in Geography. Addresses regional patterns of principal economic activities of the world, with an emphasis on economic development and the problems of urbanization, transportation and the environment.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D2, CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable
ERTH 151 Introductory Physical Oceanography (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
UC Transfer Limit: ERTH 151 and BIOL 124 combined: maximum credit, one course.
ERTH 151L Introductory Physical Oceanography Laboratory (1 Unit)
Corequisites: ERTH 151.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lab)
Lab exercises in marine geology, sedimentation, navigation, currents, waves, chemical and physical properties of seawater, and plate tectonics. Field trips to beach and mountains to study first-hand oceanographic processes and products. Required of Marine Science majors.
SBCC General Education: SBCCGE A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
ERTH 152 Weather and Climate (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 95.
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. Required of Marine Science majors.
SBCC General Education: SBCCGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
C-ID: GEOG 130.
ERTH 152L Weather and Climate Laboratory (1 Unit)
Corequisites: ERTH 152 or GEOG 152.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 95.
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 A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
ERTH 171 Introduction To Geographic Information Systems And Maps (2 Units)
Corequisites: ERTH 172 or GEOG 172.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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). Cartographic 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
C-ID: GEOG 155.
ERTH 172 Geographic Information Systems: Software Applications (2 Units)
Corequisites: GEOG 171 or ERTH 171.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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
C-ID: GEOG 155.
ERTH 175 Raster GIS Applications (2 Units)
Prerequisites: ERTH 172 or GEOG 172.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
Hours: 36 (36 lecture)
Hands-on introduction to basic raster concepts, using ArcGIS Spatial Analyst extension within the ArcGIS environment. The underlying methodology required to solve real-world problems is explored through a series of extensive course projects. Key skills in data acquisition, surface creation techniques, map algebra, database design and result reporting are covered.
Transfer Information: CSU Transferable
ERTH 231A Field Study - Mineralogy and Mineral Resources of the Eastern Sierra Nevada (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 132 or ERTH 133 or ERTH 141 or GEOG 101 or ERTH 151 or ERTH 231B.
Hours: 72 (18 lecture, 54 lab)
Fee required – see department for information. 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.
Transfer Information: CSU Transferable, UC Transferable
ERTH 231B Field Study - Energy Resources of the Eastern Sierra Nevada
(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 116 or ENVS 116 or
ERTH 122 or ERTH 125 or ERTH 126 or ERTH 131 or ERTH 132 or
ERTH 133 or ERTH 141 or GEOG 101 or ERTH 151 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)
Prerequisites: ERTH 112 or ERTH 113 or ERTH 114 or ERTH 115 or
ENVS 115.
Corequisites: ERTH 111 or ERTH 111H or ERTH 122 or ERTH 125 or
ERTH 126 or ERTH 131 or ERTH 132 or ERTH 133 or ERTH 141 or
GEOG 101 or ERTH 151.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (18 lecture, 54 lab)
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
UC Transfer Limit: ERTH 126 and 232A combined: maximum credit, one
course.

ERTH 232B Field Study - Mineral Resources and Plate Tectonic History of
the Death Valley Region (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 132 or ERTH 133 or ERTH 141 or
GEOG 101 or ERTH 151.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
UC Transfer Limit: ERTH 125 and 232B combined: maximum credit, one
course.

ERTH 233 Advanced Geologic Field Seminar - Colorado Plateau (4 Units)
Prerequisites: ERTH 133.
Skills Advisories: Eligibility for ENG 103.
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
UC Transfer Limit: ERTH 113, 131, 132, 133, 135, 137, 138, 233 any or all
of these courses combined: maximum credit, one course.

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, UC Transferable
UC Transfer Limit: ERTH 299 computed as Independent Studies; see
counselor.
ECONOMICS (ECON)

Credit Courses

ECON 101 Microeconomics (3 Units)
Prerequisites: MATH 95 or Qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 110 or 110H and proficiency in MATH 104 or MATH 107 or MATH 111.
Hours: 54 (54 lecture)
Presents modern theories of price formation, industrial organization, factor pricing and income determination. Emphasis on U.S. markets and their relationships with the rest of the world.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D2, IGETC Area 4B, CSU Transferable, UC Transferable
C-ID: ECON 201.

ECON 101N Microeconomics Discussion (0.5,1 Units)
Skills Advisories: MATH 095 and Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Optional course intended to augment student understanding of ECON 101. A theory of market value is developed. Models of industrial organization are presented and discussed. Factor pricing and the distribution of income are analyzed.
Transfer Information: CSU Transferable

ECON 102 Macroeconomics (3 Units)
Prerequisites: MATH 95 or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 110 or 110H and proficiency in MATH 104 or 107 or 111.
Hours: 54 (54 lecture)
Systematic analysis of the factors which determine national income, business cycles, unemployment and inflation. Overview of U.S. banking structure.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D2, IGETC Area 4B, CSU Transferable, UC Transferable
C-ID: ECON 202.

ECON 102N Macroeconomics Discussion (0.5,1 Units)
Skills Advisories: MATH 95 and Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Optional course intended to augment student understanding of ECON 102. Logical and critical thinking skills are developed. Topics include national income and product accounts, business cycles, unemployment and inflation. Counter-cyclical monetary and fiscal policies are explained.
Transfer Information: CSU Transferable

ECON 106 International Economics (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H or ENG and proficiency in MATH 104 or MATH 107 or MATH 111.
Hours: 54 (54 lecture)
Principles of economics applied to issues of international commerce: 1) gains from trade; 2) resources; 3) tariffs, quotas, export taxes, and other barriers to trade; 4) the balance of payments; and 5) national policies under a variety of exchange rates management systems. International economic institutions also reviewed.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D2, IGETC Area 4B, CSU Transferable, UC Transferable

ECON 108 Fundamentals Of Economics (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Survey of basic economic concepts and institutions, with emphasis on the American economy. Designed for non-majors who desire to get economic perspective without intensive or technical investigation.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D2, IGETC Area 4B, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for 108 if taken after 101 or 102.

ECON 295 Internship In Economics (4 Units)
Limitations on Enrollment: Completion of two courses in the Economics Department at SBCC prior to enrolling in an internship course.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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

ECON 299 Independent Study In Economics (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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 192 (192 lab)
P.A within the department. May be taken for one to three units of credit; each unit of credit requires student to devote approximately three hours per week to his/her project. Student works under guidance and direction of sponsoring faculty member on project consistent with interests and abilities. Minimal monthly meetings with faculty sponsor required.
(*UC Transfer Limit: 299 computed as Independent Studies; please see counselor.)
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: 299 computed as Independent Studies; please see counselor.
EDUCATION (ED)

Credit Courses

ED 101 Introduction To Teaching And Learning In K-12 Education (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
UC Transfer Limit: ED 101 and 104 combined, maximum credit: one course.

ED 103 Introduction To Multicultural/Multilingual Education (3 Units)
Corequisites: ED 101.
Skills Advisories: Eligibility for ENG 98 and 103.
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).
Skills Advisories: Eligibility for ENG 98 and 103.
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
UC Transfer Limit: ED 101 and 104 combined, maximum credit: one course.

ED 105A Introduction to Teaching English as a Foreign Language (Language Acquisition) (1 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 18 (18 lecture)
Introduction to methods and principles of teaching English as a foreign language. Intended for students interested in teaching English abroad.
Transfer Information: CSU Transferable

ED 105B Introduction to Teaching English as a Foreign Language (Methods and Materials) (1 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 18 (18 lecture)
Introduction to methods and principles of teaching English as a foreign language with focus on methodology and materials. Intended for students interested in teaching English abroad.
Transfer Information: CSU Transferable

ED 105C Introduction to Teaching English as a Foreign Language (Cross-cultural Communication) (1 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 18 (18 lecture)
Introduction to methods and principles of teaching English as a foreign language with emphasis on culture. Intended for students interested in teaching English abroad.
Transfer Information: CSU Transferable

ED 105D Introduction to Teaching English as a Foreign Language (English Grammar) (1 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 18 (18 lecture)
Introduction to methods and principles of teaching English as a foreign language with a focus on grammar and linguistics. Intended for students interested in teaching English abroad.
Transfer Information: CSU Transferable

ED 105E Introduction to Teaching English as a Foreign Language (Testing and Assessment) (1 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 18 (18 lecture)
Introduction to methods and principles of teaching English as a foreign language with an emphasis on assessment. Intended for students interested in teaching English abroad.
Transfer Information: CSU Transferable

ED 105F Introduction to Teaching English as a Foreign Language (Educational Technology) (1 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 18 (18 lecture)
Introduction to methods and principles of teaching English as a foreign language with technology. Intended for students interested in teaching English abroad.
Transfer Information: CSU Transferable

ED 291 Practicum in Teaching (2 Units)
Prerequisites: ED 101, may be taken concurrently.
Skills Advisories: Eligibility for ENG 98 and 103.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)

EMT 111 Emergency Medical Technician-Basic: Recertification (0.9 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. Designed for EMT-Basic recertification. Provides knowledge and skills for treatment of emergency/acute injury and illness. Upon completion, students receive 24 hours of continuing education and a completed EMT Skills Verification form. Course restricted to 25 repetitions.
Transfer Information: CSU Transferable
ENGR 101 Introduction To Engineering (2 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 or 103 and MATH 104 or 107 or 111.
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)
Prerequisites: Proficiency in MATH 1 or MATH 41.
Skills Advisories: Eligibility for ENG 98 or 110 or 110H.
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, 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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 98 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.
Skills Advisories: Eligibility for ENG 98 and 103.
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.

ESL 041 Writing Level 1 (4 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed for the beginning-level student, course provides a foundation of English writing and the ability to function at least minimally in common English writing situations for academic, work and personal purposes.

ESL 042 Reading Level 1 (4 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides the beginning student with basics of English pronunciation, vocabulary development and critical thinking skills, while reading at the beginning level.

ESL 043 Foundations 1: Listening, Speaking and Grammar (6 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 108 (108 lecture)
Integrated course designed to provide beginning students with a foundation of English, especially in speaking, listening and basic grammar. Includes vocabulary, reading and writing work as well.

ESL 044 Foundations 1: Reading, Writing and Grammar (6 Units)
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 108 (108 lecture)
Integrated course designed to provide the beginning level student with a foundation of English reading, writing, grammar, vocabulary and study skills.

ESL 050 Grammar Level 2 (4 Units)
Prerequisites: ESL 40 or ESL 43 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 051 Writing Level 2 (4 Units)
Prerequisites: ESL 044 or qualifying score on SBCC placement exam or ESL 041.
Hours: 72 (72 lecture)
Designed for the high beginning-level student, course provides a foundation of English writing and the ability to function at a high-beginning level in common English writing situations for academic, work and personal purposes.

ESL 052 Reading Level 2 (4 Units)
Prerequisites: ESL 42 or better or ESL 44 or better or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Prerequisites: ESL 42 or better or ESL 44 or better or qualifying score on SBCC placement exam. Provides the intermediate-level student with a basic foundation in phonetic word attack skills, vocabulary development, comprehension skills and basic study skills.

ESL 053 Foundations 2: Listening, Speaking and Grammar (6 Units)
Prerequisites: ESL 43 or ESL 40 or qualifying score on SBCC placement exam.
Hours: 108 (108 lecture)
Provides high beginning to low intermediate students with a foundation of English, especially in speaking and listening.

ESL 054 Foundations 2: Reading, Writing and Grammar (6 Units)
Prerequisites: Qualifying score on SBCC placement exam, or ESL 41 and ESL 42 or ESL 44.
Hours: 108 (108 lecture)
Provides the high beginning to low intermediate level student with a foundation of English reading, writing, grammar and vocabulary and study skills.

ESL 055 Reading Level 3 (4 Units)
Prerequisites: ESL 42 or better or ESL 44 or better 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 056 Writing Level 2 (4 Units)
Prerequisites: ESL 50 or ESL 53 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 057 Writing Level 3 (4 Units)
Prerequisites: ESL 50 or ESL 53 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides the high beginning to low intermediate level student with a foundation of English reading, writing, grammar and vocabulary and study skills.

ESL 059 Grammar Level 3 (4 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides the high beginning to low intermediate level student with a foundation of English reading, writing, grammar and vocabulary and study skills.

ESL 060 Grammar Level 3 (4 Units)
Prerequisites: ESL 50 or ESL 53 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 51 or ESL 54 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 52 or ESL 54 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 063 Foundations 3: Listening, Speaking and Grammar (6 Units)
Prerequisites: ESL 050 or ESL 053 or qualifying score on the SBCC placement exam.
Hours: 108 (108 lecture)
Provides intermediate students with a foundation of English, especially in speaking, listening and grammar.
ESL 064 Foundations 3: Reading, Writing and Grammar (6 Units)
Prerequisites: ESL 051 or ESL 052 or ESL 054 or qualifying score on the SBCC placement exam.
Hours: 108 (108 lecture)
Provides the intermediate-level student with a foundation of English reading, writing, grammar, vocabulary and study skills.
ESL 070 Beginning Workplace ESL (2 Units)
Hours: 36 (36 lecture)
Emphasis on commonly used structures, communicative functions and vocabulary of beginning English, as spoken in the workplace.
ESL 071 High Beginning ESL for the Workplace (2 Units)
Hours: 36 (36 lecture)
Emphasis on commonly used structures, communicative functions and vocabulary of high beginning English, as spoken in the workplace.
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 107 Intermediate Grammar Review (1 Unit)
Prerequisites: ESL 60.
Hours: 18 (18 lecture)
Designed for the intermediate to advanced student who has some knowledge of English verb tenses, but who requires additional review and practice. Provides a brief review of verb tenses with individualized extensive practice online.
Transfer Information: CSU Transferable
ESL 113 Beginning Conversation Level 1 (4 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed to acquaint beginning-level students with the basics of survival English to enable them to function at least minimally in common English-speaking situations.
Transfer Information: CSU Transferable
ESL 117 Intermediate Conversation Level 2 (4 Units)
Prerequisites: ESL 113 or ESL 43 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed to provide the student with intermediate-level verbal and listening skills.
Transfer Information: CSU Transferable
ESL 121 Level 3: Intermediate Conversation (4 Units)
Prerequisites: ESL 117 or better or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Designed to provide the student with intermediate-level verbal and listening skills.
Transfer Information: CSU Transferable
ESL 122 Grammar Level 4 (4 Units)
Prerequisites: ESL 60 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 61 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
UC Transfer Limit: ESL courses combined: maximum credit, 8 units; ESL 123 and 132 combined: maximum credit, one course.
ESL 124 Reading Level 4 (4 Units)
Prerequisites: ESL 62 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
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 Advanced Conversation Level 4 (4 Units)
Prerequisites: ESL 121 or qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
Provides student with advanced ESL verbal and listening skills, as well as skills development in individual speech delivery and criticism.
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 128 Conversation Workshop Level 1-5 (2 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 36 (36 lecture)
Designed to provide the ESL student with verbal and listening skills and development of oral language ability.

ESL 129 Bilingual Conversation Exchange (2 Units)
Prerequisites: ESL 43 and ESL 44.
Course Advisories: SPAN 101 or ESL 40 and ESL 41 and ESL 42.
Hours: 36 (36 lecture)
Interactive course for ESL and Spanish students to build conversation skills and foster cultural understanding.
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 Writing/Grammar in Context Level 4 (6 Units)
Prerequisites: ESL 60 and ESL 61 or qualifying score on SBCC placement exam.
Hours: 108 (108 lecture)
Transferable course to assist intermediate students in composing and refining writing skills through the analysis of individual writing. Emphasizes critical thinking, with focus on building a portfolio of essays. Includes review of sentence structure and parts of speech.
Transfer Information: CSU Transferable

ESL 133 Listening and Speaking Skills for College (4 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Course Advisories: ESL 62 or ESL 63 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.
Transfer Information: CSU Transferable, UC Transferable

ESL 135 Writing and Reading Level 5 (6 Units)
Prerequisites: ESL 123 and ESL 124 and ESL 132 or qualifying score on SBCC placement exam.
Hours: 108 (108 lecture)
Non-graded, transferable offering designed to assist the advanced student in further developing writing skills through the analysis of academic texts. Emphasizes critical thinking skills, with focus on writing expository essays, including argumentation. Includes a review of English sentence structure.
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: ESL courses combined: maximum credit, 8 units.

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 138 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

ESL NC000 Academic English: Grammar and Proofreading (1 Unit)
Hours: 18 (18 lecture)
Transferable course designed for students attending non-credit courses and seeking to improve their English writing skills.

Noncredit Courses
ESL 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 learn to 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

ESL 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
ESL 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. Students 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

ESL NC007 Pronunciation and Conversation: Intermediate ESL (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

ESL 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 communicating 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

ESL 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

ESL 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

ESL 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

ESL NC013 ESL Parent Involvement in K-12 (0 Units)
Hours: 30 (30 lecture)
This course will provide parents the knowledge and tools to navigate the public school system. Students will design a home environment that supports learning for their children. Students will 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

ESL 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

ESL NC015 ESL Job Success: English to Get a Job (0 Units)
Hours: 30 (30 lecture)
This course helps 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

ESL NC016 ESL Job Success: English to Succeed at a Job (0 Units)
Hours: 30 (30 lecture)
This course helps high beginning ESL students look for and get a job. 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 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

ESL 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 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

ESL 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
ESL 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

ESL NC01A ESL 1 - A: Beginning Low (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at a beginning low level, while increasing social/cultural interactions and developing ability to integrate into the community and the classroom. Other topics include greetings, phrases, filling out forms with personal information, soft transferrable skills for employment, learning strategies, and questions and commands for daily interactions in class, work and community. Grammar and vocabulary are incorporated in dialogues and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL NC01B ESL 1 - B: Beginning Low (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at a beginning low level. Students increase social/cultural interactions and develop ability to integrate into the community and the classroom. Topics included are natural disasters, emergency situations, U.S. culture and government and housing. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL NC01C ESL 1 - C: Beginning Low (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at a beginning low level. Students increase social/cultural interactions and develop ability to integrate into the community and the classroom. Topics included are employment, money and shopping. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL 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, while increasing social/cultural interactions and developing ability to integrate into the community and the classroom. Other topics include family, relationships, places, racism, values, life changes, parents and children, work, and language barriers for second language learners. Students increase awareness of resources and confidence to use English in the classroom and the community. Topics include government and law, national holidays, U.S. culture and children, work, and language barriers for second language learners. Other topics included are natural disasters, emergency situations, U.S. culture and government and housing. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL 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

ESL 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

ESL NC022 ESL through 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

ESL 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

ESL 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

ESL 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

ESL 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

ESL NC020 ESL Writing For Business (0 Units)
Hours: 50 (50 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
ESL 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

ESL NC02A ESL 2 - A Beginning High (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at a beginning high level. Students gain skills for successful social/cultural interactions and increase their ability to integrate into the English-speaking community. Other topics include providing personal information, describing people, parts of body and reading basic maps. Also included are health and nutrition awareness. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL NC02B ESL 2 - B Beginning High (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at a beginning high level. Other topics include understanding basic government and law responsibilities, demonstrating ability to interpret housing ads, common household problems and request repairs. Workplace skills, career and college readiness, and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Safety procedures for fires and earthquakes are also demonstrated. Course restricted to 98 repetitions

ESL NC02C ESL 2 - C Beginning High (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at a beginning high level and interact in social and cultural situations. Topics include demonstrating knowledge of consumer vocabulary and tasks, such as shopping and handling money purchases. Additional topics include requesting availability and location of items in a store, returning an item and comparative shopping. Also included are job seeking strategies and effective workplace skills. Career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL 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

ESL 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

ESL NC038 English for Written Driving Test (0 Units)
Hours: 15 (15 lecture)
Students learn to take the written driving test in English while acquiring the essential vocabulary needed to understand the questions and answers. Student 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

ESL NC03A ESL 3 - A Intermediate Low (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at an intermediate low level, and expand social/cultural interactions including problem solving and ability to integrate into the English-speaking community and classroom. Topics include how to participate in the community's social and recreational activities, modes of transportation and navigation, providing personal information to fill out authentic forms, medical and dental problems and nutritional information. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL NC03B ESL 3 - B Intermediate Low (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read, and write in English at an intermediate low level, and expand social/cultural interactions including problem solving and ability to integrate into the English-speaking community and classroom. Topics include how to participate in the community’s social and recreational activities, modes of transportation and navigation, providing personal information to fill out authentic forms, medical and dental problems and nutritional information. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions

ESL NC03C ESL 3 - C Intermediate Low (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at an intermediate low level. Students expand social/cultural interactions to include problem solving, monetary and banking transactions, and ability to purchase and return items. Other topics include setting employment goals, preparing for a job interview and creating a basic resume and engaging in appropriate workplace communication. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions
ESL 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

ESL 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

ESL 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

ESL 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

ESL 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

ESL NC04A ESL 4 – A Intermediate High (0 Units)
Hours: 80 (80 lecture)
Students learn to listen, speak, read and write in English at an intermediate high level. Students expand ability to complete medical and insurance forms and navigate the healthcare system with ease. Other topics include understanding local transportation, maps, and recreational opportunities. Workplace skills, career and college readiness and technology are integrated as related to above topics. Grammar and vocabulary are incorporated in dialogues, stories, paragraphs and question/answer interactions throughout class. Course restricted to 98 repetitions
ENGLISH AS A SECOND LANGUAGE VOCATIONAL (ESLV)

Noncredit Courses

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: 60 (60 lecture)
The Vocational ESL Landscaping Certificate prepares low-level ESL students for careers in landscaping, with special emphasis on vocabulary, entry-level skill acquisition, and familiarity with common phrases to interact with English-speaking customers. Part I topics include plant identification, selection and care, irrigation, and safe use of hand and power tools. Course restricted to 98 repetitions
Credit Courses

ENG 060 Basic Reading and Study Skills (5 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 90 (90 lecture)
Non-transferable developmental reading course intended for students who demonstrate the need for intensive work in critical reading, comprehension, study skills and vocabulary development. Students must receive credit for ENG 60 to be eligible for ENG 70. Graded Pass/No Pass.

ENG 065 Basic Skills in Writing (5 Units)
Prerequisites: Qualifying score on SBCC placement exam.
Hours: 90 (90 lecture)
Non-transferable basic writing course designed to promote competence and fluency. Students must receive credit for ENG 65 to be eligible for ENG 80. Graded Pass/No Pass.

ENG 068 Introduction to Reading, Composition and Study Skills - Intensive (6 Units)
Prerequisites: Qualifying score on SBCC Placement Exam.
Hours: 104 (104 lecture)
Non-transferable intensive developmental reading and writing course designed to promote competence and fluency. Graded Pass/No Pass.

ENG 070 Effective Reading and Study Skills Techniques (5 Units)
Prerequisites: ENG 60 or qualifying score on SBCC placement exam.
Hours: 90 (90 lecture)
Non-transferable developmental reading course intended for students who demonstrate the need for intensive work in critical reading, comprehension, study skills and vocabulary development. Students must receive credit for ENG 70 to be eligible for ENG 103. Letter grade.

ENG 075 Fundamentals of Reading and Composition - Intensive (6 Units)
Prerequisites: ESL 134 or ENG 060 and ENG 065 or Placement into ENG 70 and ENG 80 based on SBCC Placement Exam, ESL 135.
Hours: 108 (108 lecture)
Non-transferable intensive developmental reading and writing course designed to promote competence and fluency in critical reading, comprehension, written composition and study skills.

ENG 080 Effective Writing Techniques (5 Units)
Prerequisites: ENG 65 or qualifying score on SBCC Placement Exam.
Hours: 90 (90 lecture)
Non-transferable developmental writing course designed to promote competence and fluency in written composition. Students must receive credit for ENG 80 to achieve eligibility for ENG 98. Course is also available in hybrid online format. Graded Pass/No Pass.

ENG 085 Creative Writing Skills (3 Units)
Course Advisories: ENG 65.
Hours: 54 (54 lecture)
Introductory study and practice in the art of creating elements of fiction, poetry, drama and other literary forms.

ENG 088 Fundamentals of Composition - Intensive (6 Units)
Prerequisites: ENG 65 or ESL 134 or ESL 135 or ENG 60 or qualifying score on SBCC placement exam.
Hours: 108 (108 lecture)
Designed to provide an immersion experience in composition, with additional readings for students who qualify for course entrance with a high placement in ENG 80. Students must achieve a passing portfolio to enter English 98/110.

ENG 098 Fundamentals of Composition - Intensive (6 Units)
Prerequisites: ENG 65 or ESL 134 or ESL 135 or ENG 60 or qualifying score on SBCC placement exam.
Hours: 108 (108 lecture)
Designed to provide an immersion experience in composition, with additional readings for students who qualify for course entrance with a high placement in ENG 80. Students must achieve a passing portfolio to enter English 98/110.

ENG 103 Improvement of College Reading and Study Skills (5 Units)
Prerequisites: ENG 70 or qualifying score on SBCC placement exam.
Hours: 90 (90 lecture)
Reading course to improve critical thinking, comprehension, vocabulary and study skills. Various texts, including book-length works and textbook selections from various content areas, are read and analyzed. Transfer Information: CSU 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 will identify how personal challenges (including reading and writing methodologies) affect academic performance in specific disciplines, 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 will identify standards and strategies for success embedded in their field of interest (including reading, writing, research, critical inquiry, and problem-solving) and transfer these skills across disciplines.

ENG 160 Reading and Literacy Strategies for Nursing (3 Units)
Hours: 54 (54 lecture)
Designed to assist nursing students further develop reading, communication and study strategies that will be needed in the Licensed Vocational Nursing (LVN) program. Intended as a bridge between the CNA and LVN programs, the course focuses on the academic skills needed by pre-nursing students.

ENG 161 Comprehension and Study Strategies for Beginning Accounting Students (2 Units)
Hours: 36 (36 lecture)
Skills Advisories Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41. Reading course to improve critical thinking, comprehension, vocabulary, visual literacy and study skills for the beginning accounting student.

ENG 162 Comprehension and Study Strategies for Advanced Accounting Students (2 Units)
Hours: 36 (36 lecture)
Skills Advisories Eligibility for ENG 110 or 110H and proficiency in MATH 4 or MATH 41. Reading course to improve critical thinking, comprehension, vocabulary, visual literacy and study skills. Designed to serve as a companion course to financial and managerial accounting courses.

ENG 163 Critical Reading Strategies for the Earth Sciences (1 Unit)
Hours: 18 (18 lecture)
An academic reading course for students enrolled in Earth and Planetary Science classes. The course will emphasize the development of critical reading and thinking strategies and practices. It is intended to help students optimize their success with content reading in the sciences.
ENGLISH, COMPOSITION AND LITERATURE (ENG)

Credit Courses

ENG 088 Fundamentals of Composition - Intensive (6 Units)
Prerequisites: ENG 65 or ESL 134 or ESL 135 or ENG 60 or qualifying score on SBCC placement exam.
Hours: 108 (108 lecture)
Designed to provide an immersion experience in composition, with additional readings for students who qualify for course entrance with a high placement in ENG 80. Students must achieve a passing portfolio to enter English 98/110.

ENG 089 College Composition Workshop (2 Units)
Prerequisites: ENG 70 and ENG 80 or qualifying score on SBCC placement exam.
Corequisites: ENG 110 or 110H (concurrent).
Hours: 36 (36 lecture)
Intensive course in the skills needed to analyze college-level texts and write college-level essays. Linked to a co-requisite English 110.

ENG 098 Fundamentals Of Composition (5 Units)
Prerequisites: ENG 80 or qualifying score on SBCC Placement Exam.
Hours: 90 (90 lecture)
Intensive course in composition, emphasizing development of ideas into organized essays which are correct in grammar and mechanics.

ENG 110 Composition and Reading (3 Units)
Prerequisites: ENG 98 and ENG 70 or ENG 88 and ENG 70 or ENG 89 and ENG 70 or qualifying score on SBCC placement exam.
Corequisites: ENG 120 or LIBR 101.
Hours: 54 (54 lecture)
Practice in expository composition based on critical reading of short works and one book-length work. Develop skills in writing effectively, reading carefully and thinking clearly.

ENG 111 Critical Thinking And Composition Through Literature (3 Units)
Prerequisites: ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Study of critical thinking and composition, combined with instruction in literature.
SBCC General Education: SBCCGE C: Humanities, SBCCGE D2: Comm/Analytic Think
Transfer Information: CSUGE Area A3, CSUGE Area C2, IGETC Area 1B, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: ENG 111 and 111H combined: maximum credit, one course.

ENG 111H Critical Thinking and Composition Through Literature, Honors (3 Units)
Hours: 54 (54 lecture)
First semester of freshman English for students enrolled in the Honors Program. Expository writing based on critical reading and coordinated with other Honors courses. Designed to improve students' skills in writing effectively, reading carefully and thinking clearly.
SBCC General Education: SBCCGE C: Humanities, SBCCGE D2: Comm/Analytic Think
Transfer Information: CSUGE Area A3, CSUGE Area C2, IGETC Area 1B, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: ENG 111 and 111H combined: maximum credit, one course.

ENG 120 College Research Skills (1 Unit)
Course Advisories: COMP 103 and COMP 123.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Through self-paced activities, students develop the research and documentation skills necessary to write a successful research paper in ENG 110, as well as in other college courses. Students practice a range of research skills, including narrowing a topic, finding materials in libraries and on the World Wide Web, evaluating sources, note-taking, employing quotation, paraphrase or summary, organizing and synthesizing material, and using the MLA and APA style of citation. This class is available in online stand-alone format.
SBCC General Education: SBCCGE F: Info Competency
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ENG 120 and LIBR 101 combined: maximum credit, one course.

ENG 173 Screenwriting I (3 Units)
Prerequisites: ENG 70 and ENG 98 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
UC Transfer Limit: ENG 173/FS 173 and FS 174 combined: maximum credit, one course.

ENG 181 Technical And Professional Writing (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Course Advisories: ENG 111 or 111H.
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 C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: ENGL 120.

ENG 221 Survey Of British Literature (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 C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: ENGL 160.

ENG 222 Survey Of British Literature (3 Units)
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Survey of British literature during the 19th, 20th and 21st centuries, including fiction, poetry, drama and essays.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ENG 222 and 222H combined: maximum credit, one course.
C-ID: ENGL 165.

ENG 222H Survey of British Literature, 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 C: Humanities
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ENG 222 and 222H combined: maximum credit, one course.
C-ID: ENGL 165.

ENG 225 American Literature (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 C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: ENGL 130.

ENG 226 American Literature (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 C: Humanities
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ENG 226 and 226H combined: maximum credit, one course.
C-ID: ENGL 135.

ENG 226H American Literature, Honors (4 Units)
Prerequisites: ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ENG 226 and 226H combined: maximum credit, one course.
C-ID: ENGL 135.

ENG 231 World Literature (3 Units)
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Study of representative works of Western and non-Western literature from ancient times to the 17th century.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: ENGL 140.

ENG 232 World Literature (3 Units)
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or 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 to late 17th century to the present.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: ENGL 145.

ENG 236 Sacred Literature, Eastern Texts (3 Units)
Prerequisites: ENG 110 or ENG 110H.
Course Advisories: ENG 111 or 111H.
Hours: 54 (54 lecture)
Study of representative works of literature considered sacred by Eastern traditions, such as the Tao Te Ching, Confucius' Analects, the Buddha's Dhammapada, the Hindu Bhagavad Gita, Upanishads and Vedas.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: ENGL 145.
ENG 237 Sacred Literature, Western Texts (3 Units)
Prerequisites: ENG 110 or 110H.
Course Advisories: ENG 111 or 111H ENG 236.
Hours: 54 (54 lecture)
Study of representative works of literature considered sacred by Western traditions, such as the Tanak, Christian New Testament, other Orthodox and Gnostic texts, the Qur'an, the Egyptian Book of the Dead, and Native American sacred tales.
SBCC General Education: SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
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 C: Humanities
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

ENG 242 Contemporary Dramatic Literature (3 Units)
Prerequisites: ENG 110 or 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 C: Humanities
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 C: Humanities
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 C: Humanities
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 C: Humanities
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 or 111H.
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
C-ID: ENGL 200.

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 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: 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

Noncredit Courses

ENG NC120 Modern and Classic Short Stories for Older Adults (0 Units)
Hours: 20 (20 lecture)
Older adults pursue a close reading of texts paying sustained attention to the characters, plot, style, images, metaphors, patterns, and themes that carry the story forward and engage in an interpretive immersion that transforms attention into deeper thought and comprehension. Titles, anthologized for each term, include contemporary and classic short stories from the US, Britain, the European continent, Africa, Latin America, Japan, India, Israel, China and other nations. Course restricted to 98 repetitions

ENG NC303 Explorations in Literature: For Older Adults (0 Units)
Hours: 20 (20 lecture)
Older adults become more avid, savvy readers of fiction by learning how to “close-read.” Through classroom readings, lecture, and discussion, students will understand the dynamics of fiction and how it applies to their lives. Fiction reveals relationships between people and people’s relationships to the world. Fiction often gives a clearer view of its times than contemporary news reports of history. Students learn what to look for in reading. Students gain pleasure and confidence in literary judgment with every page read. Course restricted to 98 repetitions

ENG NC335 Poetry, Prose and Plays: For Older Adults (0 Units)
Hours: 20 (20 lecture)
Teaches older adult students 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 of the various works. Explicates effect of culture, 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

ENG NC497 Survey of Literary Classics: For Older Adults (0 Units)
Hours: 20 (20 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

ENG NC634 Writing Non-Fiction: For Older Adults (0 Units)
Hours: 20 (20 lecture)
Instructs older adult students how to develop magazine articles and book proposals. Includes using fiction techniques to write memoirs and non-fiction articles. Also includes information about the magazine marketplace and e-Book publishing. Shows how to write effective query letters and book proposals. Course restricted to 98 repetitions

ENG NC642 Getting Started, Getting Good, and Getting Your Fiction Published: For Older Adults (0 Units)
Hours: 20 (10 lecture, 10 lab)
Older adult students will 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. This class 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

ENG 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

ENG NC673 Writing Personal Histories: For Older Adults (0 Units)
Hours: 20 (20 lecture)
Course 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
ENTREPRENEURSHIP (ENT)

Credit Courses

ENT 201 Introduction to Entrepreneurship and Innovation (2 Units)
Course Advisories: BUS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Provides students with a comprehensive overview of the vital importance of entrepreneurship in the 21st century global economy, and the critical role that innovation and creativity play in the entrepreneurial process. Students examine and reflect on their own entrepreneurial potential and evaluate the challenges and rewards of 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 New Venture Management (3 Units)
Course Advisories: BUS 101.
Skills Advisories: Eligibility for ENG 101 or ENG 110H.
Hours: 54 (54 lecture)
Explores issues facing the entrepreneur in the day-to-day management of a startup and provides applied problem-solving techniques. Students examine core management concepts involving operations, project management, financial control, inventory management, scheduling, supply chain management, quality control, and human resource management.
Transfer Information: CSU Transferable

ENT 205 Financial Management for Startups (3 Units)
Course Advisories: BUS 101.
Skills Advisories: Eligibility for ENG 101 or ENG 110H and proficiency in MATH 95.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examines the legal implications involved in the creation of a startup. Specific legal considerations concerning business entity formation, intellectual property, cyber law, employment law, contracts, tax law, 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 Managing Information Systems for the Entrepreneur (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Introduction to management of information technology for the entrepreneur.
Transfer Information: CSU Transferable
ENVIRONMENTAL HORTICULTURE (EH)

Credit Courses

EH 101 Plant Identification And Culture (3 Units)
Hours: 90 (36 lecture, 54 lab)
Designed to acquaint the student with woody ornamental plants and selected accent plants used in the Santa Barbara region. Approximately 150 trees, shrubs, vines and herbaceous ornamentals are presented for identification and close scrutiny.
Transfer Information: CSU Transferable, UC Transferable
C-ID: AG - EH 108L
EH 102 Soils And Plant Nutrients (3 Units)
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 1 or MATH 41.
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: CSU Transferable
C-ID: AG - PS 128L
EH 103 Irrigation And Garden Waterworks (3 Units)
Hours: 90 (36 lecture, 54 lab)
Introduction to the materials and methods used in landscape irrigation system design, maintenance and repair. Trouble-shooting and retrofitting systems for water conservation are also highlighted including drip and underground systems. Simple plan reading, system scheduling and controller use are reviewed.
Transfer Information: CSU Transferable
EH 104 Landscape Maintenance (3 Units)
Hours: 90 (36 lecture, 54 lab)
Covers basic landscape maintenance topics emphasizing sustainable methods of enriching soil health, composting, mulching, water efficient irrigation systems, pruning, fertilization, plant selection, turf management, insect control, and weed control. Personal health and safety emphasized. Student groups develop and implement sustainable landscape projects.
Transfer Information: CSU Transferable
EH 105 Landscape Construction (3 Units)
Skills Advisories: Proficiency in MATH 1 or MATH 41.
Hours: 90 (36 lecture, 54 lab)
Designed to familiarize students with basic landscape construction work, equipment and materials. Explores plan reading, grading, drainage, concrete, masonry, carpentry, electrical and plumbing, as well as C-27 landscape contractor’s license requirements, business practices and legalities of this specialty.
Transfer Information: CSU Transferable
EH 106 Greenhouse/Nursery Operations And Practices, Plant Propagation And Plant Recognition (3 Units)
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 1 or MATH 41.
Hours: 90 (36 lecture, 54 lab)
Introduces students to the greenhouse/nursery. Plant recognition is required for indoor plants, turf/groundcovers, bedding plants and herbaceous perennials. Greenhouse management includes maintenance, management and structure development.
Transfer Information: CSU Transferable
EH 107 Introduction To Horticulture (3 Units)
Hours: 90 (90 lecture)
Introduction to central concepts of environmental horticulture, covering horticultural practices and methods, with focus on long-term sustainability and local ecological issues.
Transfer Information: CSU Transferable
EH 108 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. The successful student receives Permaculture Design certification, recognized worldwide.
Transfer Information: CSU Transferable
EH 109 Advanced Permaculture Design (3 Units)
Prerequisites: EH 108, with a minimum grade of "B".
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 Ecological Restoration I (3 Units)
Hours: 90 (36 lecture, 54 lab)
Examines the principles and techniques of regional habitat restoration. Class work emphasizes the identification, collection, propagation and care of native plants.
Transfer Information: CSU Transferable
EH 111 Ecological Restoration II (3 Units)
Hours: 90 (36 lecture, 54 lab)
Review of the concepts and implementation of habitat restoration. Santa Barbara region habitats studied include chaparral, coastal sage scrub, oak woodland, and riparian Eco-niches. Emphasis on watersheds and riparian restoration. Principles of ecological recreation and restoration techniques include seed collection, propagation and project evaluation.
Transfer Information: CSU Transferable
EH 112 Ecological Restoration III (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
Hours: 72 (45 lecture, 27 lab)
Principles of drafting and plan reading for landscape architecture and ornamental horticulture. Style research, drafting of plans, elevation and details.
Transfer Information: CSU Transferable
EH 113 Landscape Drafting I (3 Units)
Prerequisites: DRFT 126 or EH 126.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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

EH 202 Residential Landscape Design (3 Units)
Skills Advisories: Proficiency in MATH 1 or MATH 41.
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. Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 1 or MATH 41.
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

Noncredit Courses
EH 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

EH NC002 Green Gardener: Module 2 (0 Units)
Hours: 15 (9 lecture, 6 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

EH 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
ENVIRONMENTAL STUDIES (ENVS)

Credit Courses

ENVS 110 Humans And The Biological Environment (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

ENVS 111 Environmental Field Studies (1 Unit)
Corequisites: ENVS 110.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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. Satisfies SBCC General Education requirement in Natural Sciences when combined with ENVST 110.
SBCC General Education: SBCCGE A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for ENVST 111 unless taken after or concurrently with 110.

ENVS 112 American Environmental History (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examines American attitudes and actions towards 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 B: Social/Behv Science
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable

ENVS 115 Environmental Geology (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
C-ID: GEOL 130.

ENVS 115L Environmental Geology Laboratory (1 Unit)
Corequisites: ENVS 115 or ERTH 115.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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 A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
C-ID: GEOL 130L.

ENVS 116 Energy And Natural Resources (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lecture)
Study of formation, exploration, development and judicious use of natural resources in relation to present and future energy requirements, electricity, conservation, fossil fuels, solar, geothermal, nuclear and hydrogen. Required of all Environmental Studies majors.
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable

ENVS 200 Projects In Sustainability (2 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 201 Leadership in Projects in Sustainability (2 Units)
Prerequisites: ENVS 200.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Students take on a leadership role in projects that make the college and local community more sustainable. Students will study consensus building and management in the context of projects in sustainability to hone their skills as project managers.
Transfer Information: CSU Transferable

ENVS 295 Internship in Environmental Studies (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 2 units in Environmental Studies, or a minimum of 3 units in any of the following: EH, GLST, BIOL or ERTH.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
Hours: 273 (273 lab)
Transfer Information: CSU Transferable
EXHIBIT AND DISPLAY DESIGN (EXBT)

Credit Courses
EXBT 100 Introduction to Exhibit and Display Design (3 Units)
Corequisites: ART 129A.
Skills Advisories: Eligibility for ENG 98.
Hours: 90 (36 lecture, 54 lab)
Introduction to creating exhibitions, from conceptualization through design development and presentation. Students apply principles and criteria specific to organizing and conveying information in exhibitions environments. Students demonstrate their understanding of these exhibition principles through project proposals that include models, presentation drawings and other design materials.
Transfer Information: CSU Transferable

EXBT 101 Exhibit and Display Design II (1.3 Unit)
Prerequisites: EXBT 100.
Hours: 72 (72 lab)
Continuation of EXBT 100. Focuses on construction methods and materials used in the exhibit and display design industry. Materials range from alloys, aluminum extrusions, wood/laminate composites, Plexiglas, modular systems, tension fabrics, ‘green materials’ to advanced lightweight materials, including carbon/fiber construction. Offers and incubator for real-world experiences in the fabrication of exhibits, retail displays, museum displays and trade shows.
Transfer Information: CSU Transferable

EXBT 102 Exhibit Design Master Class I (1.3 Unit)
Prerequisites: EXBT 101.
Hours: 72 (72 lab)
Advanced fabrication of exhibits and displays for continuing students who have taken EXBT 100 and 101. Provides real-world work experience in fabricating exhibits, retail displays, museum displays, stands, informational graphic treatments and related elements. Engages the designer in the principles of exhibit construction system (e.g., Octanorm¿, Modul¿, Laarhoeven¿), blueprint reading, lighting design, interface design, audio/video and multimedia integration, and interpersonal communication.
Transfer Information: CSU Transferable

EXBT 103 Exhibit Design Master Class II (1.3 Unit)
Prerequisites: EXBT 102.
Hours: 72 (72 lab)
In-depth study of exhibit construction systems, blueprint reading, lighting, audio/video and multimedia integration, and interpersonal communication. Introduces aspects of project management, cost estimation and budgeting. Projects are constructed from inception to display in a hands-on team environment.
Transfer Information: CSU Transferable
FILM AND MEDIA STUDIES (FS)

Credit Courses

FS 101 Introduction to Film Studies (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, CSU Transferable, UC Transferable
UC Transfer Limit: FS 101 and 101H combined: maximum credit, one course.

FS 101H Introduction to Film Studies, Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, CSU Transferable, UC Transferable
UC Transfer Limit: FS 101 and 101H combined: maximum credit, one course.

FS 104 American Film to 1960’s (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

FS 105 Introduction to Television Studies (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities
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)
Course Advisories: FS 101.
Skills Advisories: Eligibility for English 110 or 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

FS 108A Film Festival Studies: 10 Days (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for English 110 or 110H.
Hours: 90 (36 lecture, 54 lab)
Ten-day field course at film festivals to study 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.
Fee required; contact department for information.
Transfer Information: CSU Transferable

FS 108B Film Festival Studies: 5 Days (2 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for English 98 or 103.
Hours: 48 (24 lecture, 24 lab)
AFI Film Festival. Five-day field course at film festivals to study 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, lectures, discussions, readings and panel discussions.
Fee required; contact department for information (http://film.sbcc.edu).
Transfer Information: CSU Transferable

FS 109 Film Studies II (3 Units)
Prerequisites: FS 101 or FS 101H or FS 104 or FS 107 or FS 110 or FS 111 or FS 116 or FS 118 or FS 120 or FS 121.
Skills Advisories: Eligibility for ENG 103 and 110 or 110H.
Hours: 72 (45 lecture, 27 lab)
Study of the formal dimensions of cinema (narration, causality, space, time and sound) through analyses of individual films. Focuses on close readings of films and developing a strong film writing approach, moving beyond the content of FS 101. Lectures, discussions and readings supplemented by the screening and analysis of representative films.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSU Transferable, UC Transferable

FS 110 World Cinema to 1960’s (3 Units)
Course Advisories: FS 101 or FS 101H.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
FS 111 Contemporary World Cinema (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
FS 112A French Film (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
FS 112B Art Cinema (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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, 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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
FS 113 Experimental Film (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
FS 114 History of Animation (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 126 (45 lecture, 81 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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
FS 115 The Vietnam War In Film (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
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)
Course Advisories: FS 101.
Skills Advisories: Eligibility for English 110 or 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable
FS 117 Film Genres (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 98 or ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable
FS 119 Introduction To Film Comedy (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (45 lecture, 27 lab)
In-depth 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 explored in depth.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

FS 120 Master Filmmakers (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (45 lecture, 27 lab)
Study of film directors and how their work has advanced and defined the art of cinema. Landmark films by celebrated directors, both foreign and domestic, are analyzed in terms of theme, structure and cinematic technique. Emphasis placed on the role of the auteur. Directorial contributions to specific film genres are explored.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

FS 121 Documentary Film (3 Units)
Course Advisories: FS 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, CSUGE Area C2, IGETC Area 3A, IGETC Area 3B, CSU Transferable, UC Transferable

FS 173 Screenwriting I (3 Units)
Prerequisites: English 70 and English 98 or qualifying score on SBCC 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, 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
UC Transfer Limit: FS 173/ENG 173 combined with FS 174: maximum credit, one course.
Credit Courses

FP 102 Writing for Television (3 Units)
Skills Advisories: Eligibility for ENG 98.
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.
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 98.
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; cuts and transitions; adding and altering audio; titling; keying and transparency; and applying filters and effects.
Transfer Information: CSU Transferable

FP 116 Television Studio Production (3 Units)
Skills Advisories: Eligibility for ENG 98.
Hours: 90 (36 lecture, 54 lab)
Introduction to the film and video production process, including scripting, storyboarding, 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 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)
Course Advisories: FILMPRO 114 and FILMPRO 170 and FILMST 173/ENG 173.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to the film and video production process, including scripting, storyboarding, 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 177 Motion Graphics I (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Course Advisories: FP 175.
Hours: 90 (36 lecture, 54 lab)
Introduction to motion graphics, compositing and 2D animation using Adobe After Effects for film and video applications, including both technical and aesthetic issues. Current industry trends and styles are discussed.

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, we will 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 will produce a number of short films.
Transfer Information: CSU Transferable

FP 181 Production Sound for Film and Television (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Course Advisories: FILMPRO 114 and FILMPRO 170 and FILMST 173/ENG 173.
Hours: 90 (36 lecture, 54 lab)
Focal points of the course will be the synchronization, recording and editing of digital audio to picture. Topics include dialogue, 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 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. (*UC Transfer Limit: FILMST 185 and TA 185 combined: maximum credit, one course)
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: FILMST 185 and TA 185 combined: maximum credit, one course.
FP 201 Narrative in Film (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 will 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.
Skills Advisories: Eligibility for English 98 and 103.
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 workflow is emphasized. Current trends and styles in editing are discussed.
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 storytelling 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 conceptualization through post-production, that culminate in the production of a short documentary.
Course Advisories: FP 214, FP 275, GDP 212, GDP 215, MAT 145 and Corequisites: FP 175.

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.

FP 279 Motion Graphics and Compositing (3 Units)
Prerequisites: FP 114 or MAT 131.
Hours: 90 (36 lecture, 54 lab)
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)
Prerequisites: FP 114 and FP 175.
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 102 or FS 173 or FP 275 and FP 207 or FP 214 or
FP 270 or FP 281 or FP 279 or FP 285, FP 201.
Hours: 180 (72 lecture, 108 lab)
A capstone course for Film Production students near the completion of
their program. A festival-ready short film will be produced by the students
with crew rolls assigned based on individual skills and goals. Emphasis
will be 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 010 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 100 Personal Money Management (3 Units)
Skills Advisories: Proficiency in MATH 4 and eligibility for ENG 110 or
ENG 110H.
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.
Transfer Information: CSU Transferable, UC Transferable

FIN 101 Introduction To Finance And Banking (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in
MATH 95.
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 201 Investing: Securities Analysis (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in
MATH 95.
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

FIN 202 Managerial Finance (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in
MATH 95.
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

FIN 203 Management Of Financial Institutions (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in
MATH 95.
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)
Course Advisories: BUS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 290 Work Experience In Finance (1-4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable

FR 102 Beginning French II (5 Units)
Prerequisites: FR 101 or two years of high school French 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 French for the beginner, and provides an introduction to the culture of French speakers.

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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Review of basic structures and vocabulary building. Development of auditive comprehension, reading skills and oral expression.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Readings and discussions in French, contemporary cultural topics (society, history, art, cinema, literature). Review of basic syntax begun in French 103 continued. Further practice in the subjunctive and literary verb tenses.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable

FR 120 Beginning Conversation (2 Units)
Prerequisites: FR 101 or two years of high school French or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Promotion of free and spontaneous oral expression in French at the elementary level.
Transfer Information: CSU 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 (2 Units)
Prerequisites: FR 103 or four years of high school French or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Designed for the student who wishes to improve reading, speaking and writing skills and vocabulary. Course 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

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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 142 Advanced Literary Readings (2 Units)
Prerequisites: FR 104 or 132 or four years of high school French or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Designed for the student who wishes to improve reading, speaking and writing skills and vocabulary. Course 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

FR 299 Independent Study In French (1-4 Units)
Prerequisites: Complete 12 units at SBCC with a GPA of 2.5 and a minimum of 6 units with a GPA of 3.0 in French.
Skills Advisories: ENG 110 or 110H.
Hours: 192 (192 lab)
Students work under guidance and direction of sponsoring faculty member on project consistent with his/her interests and abilities. Each unit of credit requires the student to devote approximately three hours per week to the project
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: FR 299 computed as Independent Study; see counselor.
GENERAL EDUCATION DEVELOPMENT (GED)

Noncredit Courses
GED NC010 GED Test Subject - Reading (0 Units)
Hours: 200 (200 lecture)
This course 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
Transfer Information: AHS - English

GED NC020 GED Test Subject - 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
Transfer Information: AHS - Social Science

GED NC030 GED Test Subject - 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
Transfer Information: AHS - Science

GED NC040 GED Test Subject - Writing (0 Units)
Hours: 60 (60 lecture)
This course covers the Writing GED subject matter and provides students with test-taking skills, critical thinking and reading skills, and various approaches to essay writing including descriptive and narrative prose. GED book are used to ensure that the information students obtain is directly related to the Writing examination and practice tests are administered to verify that students are prepared to take (and pass) the Writing subject test. Course restricted to 98 repetitions
Transfer Information: AHS - English

GED NC050 GED Test Subject - 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
Transfer Information: AHS - Mathematics
GENERAL EDUCATION DEVELOPMENT BILINGUAL (GEDB)

Noncredit Courses

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
Transfer Information: AHS - English

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
Transfer Information: AHS - Social Science

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
Transfer Information: AHS - Science

GEDB NC090 GED Test Subject - Bilingual Writing (0 Units)
Hours: 60 (60 lecture)
This course covers the Writing GED subject matter and provides students with test-taking skills, critical thinking and reading skills, and various approaches to essay writing including descriptive and narrative prose. GED books are used to ensure that the information students obtain is directly related to the Writing examination and practice tests are administered to verify that students are prepared to take (and pass) the Writing subject test in Spanish. Course restricted to 98 repetitions
Transfer Information: AHS - English

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
Transfer Information: AHS - Mathematics
## GEOGRAPHY (GEOG)

### Credit Courses

**GEOG 101 Physical Geography (3 Units)**
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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: SBCGGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
C-ID: GEOG 110, GEOG 115.

**GEOG 101L Physical Geography Laboratory (1 Unit)**
Corequisites: GEOG 101/ERTH 141.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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: SBCGGE A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
C-ID: GEOG 111, GEOG 115.

**GEOG 102 Human Geography (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: SBCGGE B: Social/Behv Science, SBCGGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable
C-ID: GEOG 120.

**GEOG 104 World Regional Geography (3 Units)**
Skills Advisories: Eligibility for ENG 103.
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 eight major geographic regions. The gap between developed and underdeveloped economies, the global roles and interconnections of countries and regions, and the conflicting pressures between cultural diversity and globalization are analyzed.
SBCC General Education: SBCGGE B: Social/Behv Science, SBCGGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable
C-ID: GEOG 125.

**GEOG 105 Economic Geography (3 Units)**
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lecture)
Designed for students majoring in Geography. Addresses regional patterns of principal economic activities of the world, with an emphasis on economic development and the problems of urbanization, transportation and the environment.
SBCC General Education: SBCGGE B: Social/Behv Science
Transfer Information: CSUGE Area D2, CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable

**GEOG 106 Geography Of California (3 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: SBCGGE B: Social/Behv Science
Transfer Information: CSUGE Area D5, IGETC Area 4E, CSU Transferable, UC Transferable
C-ID: GEOG 140.

**GEOG 152 Weather and Climate (3 Units)**
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 95.
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: SBCGGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
C-ID: GEOG 130.

**GEOG 152L Weather and Climate Laboratory (1 Unit)**
Corequisites: GEOG 152 or ERTH 152.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 95.
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: SBCGGE A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable

**GEOG 171 Introduction To Geographic Information Systems And Maps (2 Units)**
Corequisites: GEOG 172 or ERTH 172.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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
C-ID: GEOG 155.
GEOG 172 Geographic Information Systems: Software Applications (2 Units)
Corequisites: GEOG 171 or ERTH 171.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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
C-ID: GEOG 155.

GEOG 175 Raster GIS Applications (2 Units)
Prerequisites: ERTH 172 or GEOG 172.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
Hours: 36 (36 lecture)
Hands-on introduction to basic raster concepts, using ArcGIS Spatial Analyst extension within the ArcGIS environment. The underlying methodology required to solve real world problems is explored through a series of extensive course projects. Key skills in data acquisition, surface creation techniques, map algebra, database design and result reporting are covered.
Transfer Information: CSU 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, UC Transferable
UC Transfer Limit: GEOG 299 computed as Independent Study; please see counselor.
GERMAN (GER)

Credit Courses

GER 101 Beginning German I (5 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Fundamentals of grammar, pronunciation, orthography and conversation.
SBCC General Education: SBCCGE C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Fundamentals of grammar, pronunciation, orthography and conversation.
SBCC General Education: SBCCGE C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Review of basic structures, with emphasis on comprehension and vocabulary building.
SBCC General Education: SBCCGE C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

GER 120 Beginning Conversation (2 Units)
Prerequisites: GER 101 or two years of high school German or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Promotion of free and spontaneous oral expression in German at the elementary level.
Transfer Information: CSU Transferable

GER 130 Intermediate Conversation (2 Units)
Prerequisites: GER 102 or 120 or three years of high school German or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Skills of conversation, via topic-oriented expanded vocabulary at the intermediate level.
Transfer Information: 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Skills of conversation, via topic-oriented expanded vocabulary at the intermediate level.
Transfer Information: CSU Transferable, UC Transferable

GER 299 Independent Study In German (1-4 Units)
Prerequisites: Skills Advisories ENG 110 Limitation on Enrollment
Completion of two courses in German at SBCC prior to enrolling in an independent study course with a 3.0 or higher GPA.
Hours: 72 (72 lecture)
To be eligible for independent study, a student must have completed a minimum of 12 units at SBCC with a 2.5 GPA. Skills Advisories Eligibility for ENG 110 or ENG 110H. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: GER 299 computed as Independent Study; please see counselor.
GLOBAL STUDIES (GLST)

Credit Courses

GLST 101 Introduction to Global Studies (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable
C-ID: GLST 101.

GLST 102 Global Problems (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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

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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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
GDP 115 Information Visualization (3 Units)
Prerequisites: GDP 112.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 118 Creative Thinking (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Designed to give students basic concepts to enhance their innate creative abilities. Numerous creative problem-solving techniques and ideas are explored. The underlying assumption is that innovation is a skill which can be learned.
Transfer Information: CSU Transferable

GDP 212 Graphic Design II (3 Units)
Course Advisories: GDP 111 and GDP 114.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Advanced studies and projects in graphic design and advertising. 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)
Course Advisories: GDP 111 and GDP 114.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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

Noncredit Courses

GDP 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

GDP 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 compositing and collage, selections, layers and image correction. Course restricted to 98 repetitions

GDP 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

GDP NC021 Learn Adobe Acrobat Tools. Optimize Your C3! Create, Collect, & Communicate (0 Units)
Hours: 8 (8 lecture)
We download them from the web and share them as emails: PDF’s, what are they and how can we make our lives easier? The Adobe Acrobat Portable Document Format has become increasingly popular in our world as a means of sharing information, becoming so ubiquitous that often we find ourselves using PDFs without really understanding what they are and how they work. This course demonstrates the basics of working with PDFs: how to create, combine, edit, export, review, annotate, comment and share documents. Course restricted to 98 repetitions

GDP NC022 Apply Adobe Acrobat Tools: Optimize Your C3! Create, Collect, & Communicate (0 Units)
Hours: 8 (8 lecture)
Streamline your workflow and eliminate paper as you gain additional skill with Adobe Acrobat. 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

GDP 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

GDP 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

GDP NC041 Producing a Digital Newsletter (0 Units)
Hours: 8 (0 lecture, 8 lab)
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

GDP 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

GDP NC051 Save a Tree, Go Paperless (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

GDP NC052 Size Matters! Preparing Digital Images for Print, Web and Digital Documents (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
HEALTH EDUCATION (HE)

Credit Courses

HE 101 Personal Health Awareness (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 E3: Health Education
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable
UC Transfer Limit: HE 101 and 102 combined: maximum credit, one course.

HE 102 Personal Health for Women (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 E3: Health Education
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable
UC Transfer Limit: HE 101 and 102 combined: maximum credit, one course.

HE 103 Responding to Medical Emergencies (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: KIN 101.

HE 104 Introduction to Athletic Injuries (3 Units)
Course Advisories: BIOL 100 or BMS 100.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 109 Health And Physical Fitness For Older Adults (1 Unit)
Hours: 18 (18 lecture)
Designed to advance an understanding of the relationship between living habits and health for older adults. Enhances the physical and emotional well-being of individuals by providing information and activities designed for improvement of nutrition, fitness, cardiovascular health and stress management skills. Student is able to design a safe and effective health program.
Transfer Information: CSU Transferable

HE 110 Sports Nutrition (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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: CSU Transferable

HE 111 Understanding Human Sexuality (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
This course provides an overview of the psychological, biological, and sociological theories of human sexuality, and includes personal exploration of sexuality issues.
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable
UC Transfer Limit: HE 111, PSYCH 125 and BIOMD 136 combined: maximum credit, one course.

HE 201 Introduction to Healthy Aging (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 202 Health Promotion: Behavior Change Theories and Practice (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lecture)
Second course for Healthy Aging Resources and Programs Skills Competency Award. Examines learning theories, behavior change, processes and motivational theories, as well as communication skills among older adults.
Transfer Information: CSU Transferable
HE 203 Health Promotion: Lifestyle Modifications and Preventative Health Care Strategies (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lecture)
Third course for Healthy Aging Resources and Programs Skills Competency Award. Introduces concepts and skills required to meet NCCAP certification standards for becoming an Activities Professional. Prepares students for basic functions and duties of an activity professional including designing, evaluating, and delivering activity services for older adults.
Transfer Information: CSU Transferable

HE 213 Concepts in Health and Physical Fitness (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 E3: Health Education
Transfer Information: CSUGE Area E, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 100 and 105: maximum credit, 4 units.

HE 220 Fundamentals Of Exercise Testing And Fitness Instruction (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and 103.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Prerequisites: HIT 101 (prior to or concurrent).
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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.
Skills Advisories: ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: CSU 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 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: HIT 101 (may be taken concurrently) and COMP 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 4 or MATH 41.
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: COMP 101, HIT 101 and CIS 101.
Course Advisories: HIT 255.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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).
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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: COMP 101 and HIT 101.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 (3 Units)
Prerequisites: HIT 202 and HIT 203 and HIT 210 and HIT 220 and HIT 255 and HIT 265 and HIT 230 (HIT 230 may be taken concurrently).
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 162 (162 lab)
Limitation on enrollment: Health and safety regulations. Supervised onsite experience performing CAHIIM-required HIT competencies for an affiliated healthcare organization. Clinical practice is conducted as a non-paid, laboratory experience. Clinical practice may include a partial virtual practicum.
Transfer Information: CSU Transferable

HIT 280 Medical Coding Practicum (1 Unit)
Prerequisites: HIT 210 and HIT 255 and HIT 202 and HIT 203.
Corequisites: Concurrent enrollment in HIT 205.
Limitations on Enrollment: Health and safety regulations.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lab)
Pacticum in application of clinical classification systems, coding, case mix analysis, and use of coded and abstracted data. Discussion focuses on directed practice activities. Supervised clinical experience focuses on coding patient care records. Students in supervised clinical practice have the status of learners. Clinical practice is conducted as a non-paid, laboratory experience.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E2: American Institutions
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 101 and 102 or 102H combined: maximum credit, 100 units.
C-ID: HIST 130.

HIST 102 History Of The U.S. Since 1865 (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Analysis of United States social, economic and institutional developments from 1865 to the present.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E2: American Institutions
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 101 and 102 or 102H combined with 100 units: maximum credit, 6 units; 102 and 102H combined: maximum credit, one course.
C-ID: HIST 140.

HIST 102H History Of The U.S. Since 1865, Honors (4 Units)
Limitations on Enrollment: Honors course.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
Analysis of social, economic, and institutional developments in the United States, from 1865 to the present.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E2: American Institutions
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 102 and 102H combined: maximum credit, one course.
C-ID: HIST 140.

HIST 103 History Of Western Civilization (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGEC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
C-ID: HIST 170.

HIST 104 History Of Western Civilization (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 104 and 113H combined: maximum credit, one course.
C-ID: HIST 180.

HIST 107 World Civilization, Beginnings To 1550 (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
C-ID: HIST 150.

HIST 108 World Civilization, 1550 To Present (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
C-ID: HIST 160.

HIST 110 History Of American Women (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Economic, social, political and cultural history of women in America, from colonial times to the present.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 110 and 110H combined: maximum credit, one course.
C-ID: HIST 180.

HIST 110 History Of American Women (Honors) (4 Units)
Limitations on Enrollment: Honors course.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
Economic, social, political and cultural history of women in America, from colonial times to the present.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D6, CSU US-1, IGETC Area 3B, IGEC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 110 and 110H combined: maximum credit, one course.
C-ID: HIST 160.
HIST 111 The American West As Frontier And Region (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 104 and 113H combined: maximum credit, one course.
C-ID: HIST 180.
HIST 114 The Immigrant Experience In The U.S. (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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. Analyzes the social and economic conditions, as well as cultural factors, that shape immigrant adjustment patterns.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable
HIST 114H The Immigrant Experience In The U.S., Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Lecture and seminar. 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. Analyzes the social and economic conditions, as well as cultural factors, that shape immigrant adjustment patterns.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
History of wars fought in Vietnam since the 1940s, with particular emphasis on American involvement.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable
UC Transfer Limit: HIST 115 and HIST 114H/ETHS 101H combined: maximum credit, one course.
HIST 120 Modern Europe (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
History of Great Britain, from earliest times to 1688.
SBCC General Education: SBCCGE B: Social/Behv Science
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 B: Social/Behv Science
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D6, IGETC Area 3B, IGETC Area 4F, CSU Transferable, UC Transferable
HIST 133 History Of Latin America: Bc To 1800'S (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examines the evolution of Latin America from Pre-Columbian days to the early 1800s. This evolution is analyzed from cultural, political, economic and diplomatic perspectives.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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.
Skills Advisories: Eligibility for ENG 110 or 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.
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.

HNRS 100H Honors Colloquium (0.5 Units)
Corequisites: Any Honors course.
Hours: 9 (9 lecture)
Limitation on enrollment: Admission in the Honors Program. Interdisciplinary colloquium on a selected topic each semester, designed to aid in students' transition to 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)**
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 4 or MATH 41.
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)**
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 4 or MATH 41.
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)**
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 4 or MATH 41.
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)**
Skills Advisories: Eligibility for English 98.
Hours: 54 (54 lecture)
and proficiency in MATH 4 or MATH 41. 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)**
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 4 or MATH 41.
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)**
Skills Advisories: Eligibility for English 98 and proficiency in MATH 4 or MATH 41.
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)**
Skills Advisories: Eligibility for ENG 98.
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)**
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 4 or MATH 41.
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)**
Limitations on Enrollment: Student must be a SCAHM major and be enrolled in classes leading to a degree or certificate in the major.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 95.
Hours: 220 (220 lab)
May be taken for three units of credit. One unit of credit is earned for each five hours of work each week. Maximum of three units can be taken each term. 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)**
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 4 or MATH 41.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lecture)
Overview of the types of textiles and their composition and characteristics to aid in informed textile-related decision making by the interior design professional.
Transfer Information: CSU Transferable

ID 103 Historical Furniture (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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: CSU Transferable

ID 104 Materials And Installations (3 Units)
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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.
Skills Advisories: Eligibility for ENG 103 and proficiency in MATH 1 or MATH 41.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103 and proficiency in MATH 4 or MATH 41.
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

Noncredit Courses

ID NC001 Kitchen Design (0 Units)
Hours: 27 (27 lecture)
Study of kitchen design in a residential setting. Thorough analysis of kitchen shapes, layouts, construction, floor plans, materials and lighting. Thirty one kitchen design guidelines identified. Emphasis on cabinet types and measurements, traffic paths and work triangles. Course restricted to 98 repetitions.

ID NC002 Bathroom Design (0 Units)
Hours: 27 (27 lecture)
Study of bathroom design in a residential setting. Thorough analysis of bathroom shapes, layouts, construction, floor plans, fixtures, materials, lighting and accessories. Twenty seven bathroom design guidelines identified. Emphasis on barrier-free design. Course restricted to 98 repetitions.
INTERNATIONAL BUSINESS (IBUS)

Credit Courses
IBUS 102 Introduction to International Business (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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

IBUS 210 Basics of Importing and Exporting (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 110 International Business Law (1.5 Unit)
Course Advisories: BUS 101 or BUS 102.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 27 (27 lecture)
Introduction to international business law. Topics include contracts, documents, carriage, trade finance, marketing, licensing, regulations and political risk.
Transfer Information: CSU Transferable

IBUS 201 International Human Resource Management (3 Units)
Course Advisories: IBUS 102.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 98.
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 Product Development (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 Trends in Retail and E-tail (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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

Noncredit Courses
IBUS 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

IBUS 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

IBUS 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
### ITALIAN (ITAL)

#### Credit Courses

**ITAL 101 Beginning Italian I (5 Units)**
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Review of basic structures, vocabulary building, development of auditive comprehension, reading skills and oral expression.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, 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.
Skills Advisories: Eligibility for ENG 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.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

**ITAL 120 Beginning Conversation (2 Units)**
Prerequisites: ITAL 101 or two years of high school Italian or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Promotion of free and spontaneous oral expression in Italian at the elementary level.
Transfer Information: CSU 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 150 Advanced Italian (5 Units)**
Prerequisites: ITAL 104 or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
Hours: 90 (90 lecture)
For the advanced student who wishes to perfect his/her knowledge of the language. Includes discussion of literary selections, vocabulary building, composition and the study of more complex grammatical structures.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ITAL 160 Advanced Italian (5 Units)**
Prerequisites: ITAL 104 or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110, ENG 110H.
Hours: 90 (90 lecture)
For the advanced student who wishes to perfect his/her knowledge of the language. Includes discussion of literary selections, vocabulary building, composition and the study of more complex grammatical structures.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

**ITAL 299 Independent Study In Italian (1-4 Units)**
Limitations on Enrollment: Eight units of Italian courses completed with a 3.0 or higher GPA; minimum of 12 units of course work completed at SBCC with GPA of at least 2.5.
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 192 (192 lab)
One to four units of credit; each unit equivalent to three (3) hours per week devoted to study. Interview with instructor and weekly meetings required.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: ITAL 299 computed as Independent Study; see counselor.
JAPANESE (JAPN)

Credit Courses

JAPN 101 Beginning Japanese I (5 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 90 (90 lecture)
Introduction to the essential tools of communication in modern Japanese. Course 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.
SBCC General Education: SBCCGE C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable

JAPN 120 Beginning Japanese Conversation (2 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Oral expression in Japanese at the beginning level.
Transfer Information: CSU Transferable

JAPN 121 Language and Culture through Japanese Anime (2 Units)
Prerequisites: JAPN 102 or two years of high school Japanese or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
For students who are ready to learn the basics of Japanese linguistics and colloquial Japanese in order to understand and appreciate Japanese anime.
Transfer Information: CSU Transferable

JAPN 130 Intermediate Japanese Conversation I (2 Units)
Prerequisites: JAPN 102 or three years of high school Japanese or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Designed to increase skills of conversation as well as effective and appropriate use of the language in real-life situations.
Transfer Information: 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or 110H.
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 C-ID: JOUR 110.

JOUR 121 The Channels: Reporting/Writing (3 Units)
Corequisites: JOUR 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C-ID: JOUR 130.

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 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.

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.

JOUR 123A The Channels: Photojournalism (4 Units)
Corequisites: 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.
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C-ID: JOUR 150.

JOUR 136 The Channels: Display Editor (1 Unit)
Corequisites: JOUR 121 and JOUR 123A or JOUR 123B.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 215A The Channels: Section Editor (1 Unit)
Prerequisites: JOUR 101 and JOUR 121.
Corequisites: JOUR 122A and JOUR 123A or JOUR 123B.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 or JOUR 221.
Limitations on Enrollment: Limited number of positions available.
Hours: 54 (54 lab)
Concurrent Editors must be appointed by adviser. Students plan, assign and coordinate the entire content of The Channels publications. They oversee reporting and photo coverage, and design, video and multimedia components. They preside over staffing and policy issues, and serve as the public face of The Channels to the campus and local community.
Transfer Information: CSU Transferable

JOUR 215C The Channels: Publication Manager (1 Unit)
Prerequisites: JOUR 215B.
Corequisites: JOUR 221 (concurrent).
Limitations on Enrollment: A limited number of these top editorial positions are available.
Hours: 54 (54 lab)
Enrollment must be recommended by the faculty adviser. Student editors manage The Channels business 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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Advanced study and practice of creative writing in non-fiction genres.

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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills 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 B: Social/Bhv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable
C-ID: AJ 110.
AJ 102 Ethics In The Criminal Justice System (3 Units)
Course Advisories: AJ 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Bhv Science
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Covers the development, philosophy and constitutional basis of evidence and procedure. Legal considerations affecting arrest, search and seizure; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies; the major stages of criminal justice processes.
Transfer Information: CSU Transferable
C-ID: AJ 124.
AJ 104 Introduction to Corrections (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Bhv Science
Transfer Information: CSUGE Area D0, CSUGE Area D8, IGETC Area 4J, CSU Transferable, UC Transferable
AJ 105 Diversity, Law and Justice (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 justice system plays in determining the status of minority groups and their relationship to the law.
SBCC General Education: SBCCGE C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or 110H.
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
C-ID: AJ 120.
AJ 110 Introduction To Forensics (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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
C-ID: AJ 120.
AJ 111 Criminal Investigation (3 Units)
Skills Advisories: Eligibility for ENG 100 or ENG 110H.
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
C-ID: AJ 140.
AJ 112 Juvenile Procedures (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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
C-ID: AJ 160.
AJ 113 Community Relations (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examines the origin, development, and organization of the American Juvenile Justice System. It explores theories that focus on Juvenile Law, courts and processes, and the constitutional protections extended to juveniles administered in the American Justice System.
Transfer Information: CSU Transferable
C-ID: AJ 160.
AJ 125 Introduction To Criminology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examines the nature, causes and patterning of criminality, with emphasis on the theoretical and methodological issues encountered in research. Explanations of crime and crime control policies are critically examined. Evidence of linkages among social conflicts and inequalities, criminal laws and enforcement practices, and social deviance and control are reviewed.
SBCC General Education: SBCCGE B: Social/Bhv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable
AJ 226 Aviation Bureau Operations And CPR Update (0.5 Units)
Hours: 9 (9 lecture)

AJ 227 Advanced Footwear Impression Evidence (2.5 Units)
Hours: 45 (45 lecture)

AJ 228 Basic Narcotics Operations (0.5 Units)
Hours: 9 (9 lecture)

AJ 245 Constitutional Law (3 Units)
Hours: 54 (54 lecture)
Skills advisories: Eligibility for ENG 110 or 110H. 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 B: Social/Behv Science
Transfer Information: CSUGE Area D8, CSU US-2, IGETC Area 4H, CSU Transferable, UC Transferable

AJ 250 The Study Of Murder (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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

AJ 255 Terrorism And The Criminal Justice System (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, CSU Transferable

AJ 260 Women's Issues In The Criminal Justice System (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Women and their involvement in the criminal justice system. Students learn about gender-based differences related to law and justice, with a study focus on women as offenders, victims, justice officials and change agents.
SBCC General Education: SBCCGE B: Social/Behv Science
Transfer Information: CSUGE Area D4, CSU Transferable

AJ 265 Crime and Human Behavior (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Course Advisories AJ 101. 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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, CSUGE Area D9, CSU Transferable

AJ 271 The Study of Evil (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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, CSU Transferable

AJ 290 Work Experience In Administration Of Justice (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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)
Skills Advisories: Eligibility for English 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for English 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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
LATIN (LATN)

Credit Courses

LATN 101 Beginning Latin I (5 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU
Transferable, UC Transferable

LATN 132 Ancient Origins of Modern English (4 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
Designed to increase English vocabulary and the knowledge of ancient
concepts behind the terminology of medicine, science, economics,
politics, and law. Topics include Ancient Greek and Latin components in
English, word building, and the historical and political origins of important
English words.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSU Transferable, UC Transferable
LIBRARY (LIBR)

Credit Courses
LIBR 101 Information Literacy (1 Unit)
Course Advisories: COMP 103 and COMP 123.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Information literacy is introduced and practiced: how information is created, disseminated, and organized; and how to find, evaluate, think critically about, and ethically use information. Students practice research skills, including: narrowing topics; finding print, electronic, and visual materials through the library and internet; summarizing and evaluating sources; and constructing citations. Satisfies SBCC Information Competency requirement.
SBCC General Education: SBCCGE F: Info Competency
Transfer Information: CSU Transferable, UC Transferable

Noncredit Courses
LIBR 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

LIBR 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
MANAGEMENT (MGMT)

Credit Courses

MGMT 101 Introduction To Management (3 Units)
Course Advisories: BUS 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for 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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 the 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
UC Transfer Limit: MDT 100 and 105 combined with PE activity and HE 213: maximum credit, 4 units.

MDT 101 Information and Introduction to Marine Diving Technology (0.3 Units)
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
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
UC Transfer Limit: MDT 100 and 105 combined with PE activity and HE 213: maximum credit, 4 units.

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.

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.

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 (1.3 Unit)
Hours: 24 (24 lecture)
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).

MDT 112 Introduction To Marine Welding (1.1 Unit)
Hours: 40 (8 lecture, 32 lab)
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.

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.

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.

MDT 142 Surface-Supplied Ocean Diving (1.8 Unit)
Corequisites: MDT 140.
Course Advisories: 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.

MDT 143 Mixed Gas Diving (1.1 Unit)
Corequisites: MDT 142.
Hours: 44 (8 lecture, 36 lab)
Advanced modular study of the physics and application of specialized gas mixtures, gas diving apparatus, decompression tables and operational procedures.
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.

MDT 146 Advanced Underwater Cutting And Welding (1.5 Unit)
Corequisites: MDT 142.
Hours: 48 (16 lecture, 32 lab)
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.

MDT 147 Ocean Structures (0.5 Units)
Course Advisories: MDT 101.
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.

MDT 148 Hydraulics I (0.74 Units)
Corequisites: MDT 101.
Hours: 24 (8 lecture, 16 lab)
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 subsea work systems, tools and work class remotely-operated vehicles.

MDT 152 Underwater Tools And Inspection (1.7 Unit)
Corequisites: 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.

MDT 154 Bell And Saturation Diving Procedures (1.7 Unit)
Corequisites: MDT 143.
Hours: 60 (16 lecture, 44 lab)
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.

MDT 179 Nitrox Diving (0.8 Units)
Corequisites: MDT 101.
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.

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.

MDT 290 Work Experience In Marine Diving Technology (2-4 Units)
Limitations on Enrollment: Must be a currently enrolled MDT student with a current physical exam (within one year).
Course Advisories: MDT 101.
Hours: 300 (300 lab)
Supervised employment for MDT and related technologies majors whose career objectives, course study and employment complement each other. The student must be employed in an occupation directly related to the Marine Diving Technologies major. The student must also be enrolled in no less than seven (7) units, including Work Experience. Course restricted to 3 repetitions
MARKETING (MKT)

Credit Courses

MKT 101 Introduction to Marketing (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
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
C-ID: JOUR 150.

MKT 140 Online and Mobile Marketing (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and 103.
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)
Skills Advisories: Eligibility for ENG 98 and 103.
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)
Course Advisories: MKT 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Study of how businesses use marketing to communicate through advertising 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)
Course Advisories: MKT 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
The key elements of international logistics, including definitions, regulations, documentation, 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Demographics and target marketing are the fundamental concepts by which all ideas begin their developmental process on their 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)
Course Advisories: BUS 101 and COMP 103.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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

Noncredit Courses

MKT NC001 Promotional Marketing Tools (0 Units)
Hours: 10 (10 lecture)
Marketing effectiveness includes the creation and maintenance of product (tangible and intangible) brand awareness for organizational profitability. Promotional strategy includes using major marketing tools such as public relations, advertising, relationship selling, and social media. A successful marketing campaign is correctly timed and mixed and translates to increased sales and customer loyalty in profit and non-profit sectors. Learn to use marketing communication as a growth and customer retention tool. Learn how to cement relationships to gain the lifetime value of every customer. Course restricted to 98 repetitions

MKT NC002 Business Branding (0 Units)
Hours: 10 (10 lecture)
Learning to identify and implement a branding strategy in a sharable and saleable global marketplace requires responding to existing needs and wants of customers. Social media use in building a brand with "trust credits critical business relationships. Digital data once gathered on current websites such as LINKED IN, TWITTER, FACEBOOK create mutual understanding between the seller and the buyer in the relationship process from product creation to profit taking. Course restricted to 98 repetitions

MKT NC003 Marketing Maps (0 Units)
Hours: 10 (10 lecture)
Business success begins with responding to target markets by positioning them in the mind of customers via knowledge of their demographics, psychographics, and geographic information. Marketing messages which respond to targeted customer demand occurs via creating both consistent and effective marketing messages. All messages require perceptual knowledge of targeted customers. Target marketing positioning strategies deliver the right mix of people the relevant benefits and features offered by businesses. Course restricted to 98 repetitions

MKT NC004 Mobile Marketing (0 Units)
Hours: 10 (10 lecture)
Mobile marketing encompasses global exchange activities on devices such as smartphones, tablets, and various others. Businesses today look for customer based profitability and investment solutions using mobile devices which also offer customers instant feedback and satisfaction. These devices attract, engage, acquire, and retain local and international customers. Mobile communication offers solutions via gathering data, insights, and content in the marketplace in real time. Course restricted to 98 repetitions

MKT NC005 Creating Effective Communication in Promotional Marketing (0 Units)
Hours: 16 (16 lecture)
This course focuses on the promotional aspect of marketing and the different communication techniques used to raise customer awareness and interest. Students will learn how to identify the mediums that will be most effective to a targeted market. Both business-to-consumer and business-to-business strategies will be 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

MKT NC006 Managing a Marketing Campaign Project (0 Units)
Hours: 16 (16 lecture)
Focuses on the research, planning, execution, and evaluation of a marketing campaign. Examines the specific activities used to promote products, services, and businesses. Multiple mediums that carry the message of the marketing campaign will be covered. Explores how companies use marketing campaigns to reinforce branding and positioning. Course restricted to 98 repetitions

MKT 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
MATH 001 Basic Mathematics (3 Units)
Hours: 54 (54 lecture)
Basic math course, including place value, reading and writing numbers; arithmetic operations on whole numbers; fraction concepts and operations on fractions; decimal concepts and operations on decimals; ratio and proportion; percentage; systems of measurement; numerical geometry; graph reading; operations on signed numbers. Application of arithmetic to everyday life is emphasized throughout the course.

MATH 001N Study Skills in Math (1 Unit)
Skills Advisories: Eligibility for ENG 98 Eligibility for ENG 103.
Hours: 18 (18 lecture)
Topics designed to increase student success in mathematics.

MATH 004 Pre-Algebra (3 Units)
Prerequisites: MATH 1 or qualifying score on SBCC placement exam.
Skills Advisories: Proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lecture)
Introduction to algebra. Topics include signed numbers, exponents, roots, evaluation of algebraic expressions, simplification of algebraic expressions, ratio and proportion, percents, measurement, geometry, coordinate plane, translation from English to algebra and solution of linear equations.

MATH 041 Fundamentals in Mathematics and Pre-Algebra (5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (90 lecture)
Foundational course, including language development, place value; definitions, concepts and operations on whole numbers, fractions, decimals, ratios, proportions, percentage and signed numbers; U.S. and metric measurement systems; introduction to algebra, rules of exponents, roots, evaluation and simplification of algebraic expressions; solving linear equations, basic polynomial factoring, and introduction to graphing. Application/word problems throughout the course.

MATH 070 Reading and Writing in Mathematics (1 Unit)
Prerequisites: Math 4.
Hours: 18 (18 lecture)
A course for students to develop strategies for reading and writing to learn mathematics.

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 080 Elementary Algebra Refresher (1 Unit)
Hours: 18 (18 lecture)
For students who assessed into Math 95 and wish to improve their assessment level or who unsuccessfully attempted Math 107 and need review of elementary algebra. Successful completion may serve as a petition to challenge Math 95 through a comprehensive exam.

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 093 Nursing and Allied Health Math (1 Unit)
Prerequisites: Math 4 or better or qualifying score on SBCC placement exam.
Hours: 18 (18 lecture)
Prerequisites: Math 4 or better or qualifying score on SBCC placement exam. For Nursing and Allied Health professionals, focuses on math skills necessary in an Allied Health occupational area. Basic math skills and algebra, metric system conversions, conversion the metric, apothecary and household units of measure, computational methods used in the preparation of medications.

MATH 095 Elementary Algebra (5 Units)
Prerequisites: MATH 4 or MATH 41 or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 095N Study Skills In Math (1 Unit)
Corequisites: MATH 95.
Skills Advisories: Eligibility for ENG 98 and 103 and proficiency in MATH 4.
Hours: 18 (18 lecture)
Topics designed to increase student success in mathematics. Must be enrolled in Math 95 (100).

MATH 103 Nursing and Allied Health Math (1 Unit)
Prerequisites: Math 4 or qualifying score on SBCC placement exam.
Hours: 18 (18 lecture)
Designed for Nursing and Allied Health professionals, focuses on math skills necessary to be successful in an Allied Health occupational area. After reviewing basic math skills and algebra, students learn metric system conversions, conversion among and between the metric, apothecary and household units of measure, and computational methods used in the preparation of medications.

MATH 107 Intermediate Algebra (4 Units)
Prerequisites: MATH 95 or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 72 (72 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 D2: Comm/Analytic Think, SBCCGE E1: Mathematics
MATH 107N Study Skills in Intermediate Algebra (1 Unit)
Corequisites: MATH 107.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 18 (18 lecture)
Proficiency in MATH 95. Topics to increase student success in Intermediate Algebra.

MATH 108 Mathematical Concepts for Elementary School Teachers-Number Systems (4 Units)
Prerequisites: MATH 107 or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 and 103.
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. (C-ID MATH 120)
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, CSU Transferable, UC Transferable
C-ID: Math 120.

MATH 114 Mathematics for Liberal Arts Majors (4 Units)
Prerequisites: MATH 107 or MATH 111 or better or qualifying score on SBCC exam.
Skills Advisories: ENG 98 and 103.
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 D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable

MATH 117 Elementary Statistics (4 Units)
Prerequisites: MATH 107 or MATH 111 or better or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 and tests of hypotheses, correlation and linear regression, categorical variables and Chi-square distribution. One-way ANOVA, multiple comparisons procedure.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
UC Transfer Limit: MATH 117, 117H and PSY 150 combined: maximum credit one course.

MATH 117H Elementary Statistics, Honors (4 Units)
Prerequisites: MATH 107 or MATH 111 or better or qualifying score on SBCC placement exam.
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 and tests of hypotheses, correlation and linear regression, categorical variables and Chi-square distribution. One-way ANOVA, multiple comparisons procedure.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
UC Transfer Limit: MATH 117, 117H and PSY 150 combined: maximum credit one course.

MATH 120 College Algebra (4 Units)
Prerequisites: MATH 107 or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (72 lecture)
Study of functions and their graphs, including polynomial, rational, exponential and logarithmic functions. Systems of equations and conics.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
UC Transfer Limit: MATH 120 and 137 combined: maximum credit, one course; MATH 120 and 138 combined: maximum credit, one course.

MATH 130 Calculus for Biological Sciences, Social Sciences and Business I (5 Units)
Prerequisites: MATH 111 or 120 or better or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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, related rates and applications.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
UC Transfer Limit: MATH 130 and MATH 150 combined: maximum credit, one course.
C-ID: MATH 140.
MATH 131 Calculus For Biological Sciences, Social Sciences And Business II (3 Units)
Prerequisites: MATH 130.
Skills Advisories: Eligibility for ENG 98 and ENG 103 and MATH 130.
Hours: 54 (54 lab)
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 D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
UC Transfer Limit: MATH 131 and 160 combined: maximum credit, one course.

MATH 137 Precalculus I - College Algebra And Functions (5 Units)
Prerequisites: Math 107 or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (90 lecture)
Short review of intermediate algebra topics; extensive treatment of functions and graphing techniques including translations, symmetries, reflections and graphs of inverse functions. Identities and conditional equations; analysis and applications of polynomial, rational, exponential and logarithmic functions are covered. Other topics include solving linear and nonlinear systems, using matrix algebra, and roots of higher-degree polynomials. Brief introduction to logic and the structure of proofs.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
UC Transfer Limit: MATH 120 and 137 combined: maximum credit, one course; MATH 137 and 138 combined: maximum credit 5 semester units. (Note: MATH 137/138 precalculus sequence is equivalent to the former 140/141 precalculus sequence. Students who have passed the 140/141 sequence may not enroll in the 137/138 sequence).

MATH 137W Workshop for Precalculus I (1 Unit)
Corequisites: MATH 137.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lab)
A supplementary problem-solving course designed for students currently enrolled in MATH 137.

MATH 138 Precalculus II - College Algebra And Trigonometry (4 Units)
Prerequisites: MATH 137 or qualifying score on SBCC placement exam.
Skills Advisories: Eligibility for ENG 98 or ENG 110H.
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 sequences, series and the Binomial Theorem.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
MATH 138W Workshop for Precalculus II (1 Unit)
Corequisites: MATH 138.
Hours: 54 (54 lab)
Skills Advisories: ENG 98 and 103. A supplementary problem-solving course designed for students currently enrolled in 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 D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
C-ID: MATH 230.

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, introduction to infinite dimensional vector spaces.
SBCC General Education: SBCCGE D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
C-ID: MATH 250.

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 D2: Comm/Analytic Think, SBCCGE E1: Mathematics
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
C-ID: MATH 240.
MULTIMEDIA ARTS AND TECHNOLOGIES (MAT)

Credit Courses

MAT 103 Introduction To Multimedia (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
An introduction to multimedia, including production processes, tools, techniques, trends and design principles, and production requirements of interactive multimedia development for the Web, on different devices. Provides a comprehensive look at the concepts and principles of digital media, visual literacy and the influence on business, education, art, science and culture.
Transfer Information: CSU Transferable, UC Transferable

MAT 105 Survey Of Multimedia Tools (3 Units)
Course Advisories: MAT 103.
Skills Advisories: Eligibility for ENG 98 and ENG 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 113 Dreamweaver (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Students learn how to use a popular tool for web page design and construction called Dreamweaver. Includes how to inset images, create frames, make links, use forms, and manage websites by creating actual web pages.
Transfer Information: CSU Transferable, UC Transferable

MAT 114 Dreamweaver II. Web development (3 Units)
Hours: 90 (36 lecture, 54 lab)
Students will develop a responsive website using HTML5, CSS3 and JavaScript with the latest Dreamweaver release, while learning best practices for Accessibility, usability, and search engine optimization.
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 130 Fundamentals Of Digital Animation (3 Units)
Course Advisories: Art 124A.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Introduction to digital animation, including production processes, tools, techniques, trends and opportunities. Examines the issues and limitations of various digital image and animation formats as to resolution, color and motion. Provides an overview of various industries utilizing digital animation, including terminology and methodology.
Transfer Information: CSU 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.
Skills Advisories: Eligibility for English 98 and 103.
Hours: 90 (36 lecture, 54 lab)
Advanced Photoshop course which builds on skills learned in MAT 131. Students work on projects which challenge their creativity and technical ability. Working with this image manipulation software, students develop complex commercial and surreal projects.
Transfer Information: CSU Transferable

MAT 136 Computer Animation I (3 Units)
Hours: 90 (36 lecture, 54 lab)
Fundamentals of computer animation, including modeling, animation and rendering. Focus on computer animation tools and techniques. 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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Course Advisories: MAT 103.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to the design and development of games. Learn about the computer gaming industry, script-writing and storyboarding. Gain skills through the design and prototyping of a game.
Transfer Information: CSU Transferable

MAT 149 Social Networking and Social Media (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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 152 Compositing and Visual Effects for Animation (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to compositing and visual effects for computer animation. Working with Maya image sequences and alpha channel information. Color manipulation, filtering, keying (blue/green screen processing), camera tracking, rotoscoping and layering are used to create photo-realistic visual effects sequences.
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 learn the difference between markup and presentation, how to create a Web page from scratch, manipulating HTML5, CSS3 and image files. Create layouts that are completely custom and learn about floats and positioning as part of this process. Requires proficiency in Photoshop.
Transfer Information: CSU Transferable

MAT 164 Online and Mobile Marketing (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Hours: 90 (36 lecture, 54 lab)
Create assets for visualization and games. Includes modeling, environmental lighting, advanced textures, project workflow and management. Students complete a photo-realistic model for visualization or a game project versus portfolio preparation.
Transfer Information: CSU 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 169 Serious Game Production (3 Units)
Hours: 90 (36 lecture, 54 lab)
Serious game design project planning and production through hands-on experience. Students work in teams to design and complete a game project, providing each student with portfolio preparation.
Transfer Information: CSU Transferable
MAT 183 Radio Production I (3 Units)
Skills Advisories: Eligibility for English 98 and 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to fundamentals of radio production, including studio and field work. Covers producing, managing, scheduling and broadcasting/multicasting for a modern radio station. Through basic studio exercises and productions, including commercials, public service announcements, interview programs and general programming, students learn the tools of the medium, radio station formats and the creation of radio programming.
Transfer Information: CSU Transferable

MAT 205 Portfolio Development And Professional Practices (3 Units)
Prerequisites: MAT 153 or GDP 212 or PHOT 180.
Hours: 90 (36 lecture, 54 lab)
In this final course, students learn how to prepare for media arts careers (web design, digital design, audio, animation and video). Communicating with employers through cover letters and interviews, developing resumes and portfolios/reels, and using online resources for job hunting are covered. For the person who has taken several media arts courses and is nearing completion of the program.
Transfer Information: CSU Transferable

MAT 216 Flash II, Interactive Story-telling and Simple Games (3 Units)
Prerequisites: MAT 116 Students use Flash software for creating web sites, interactive art pieces and simple games.
Hours: 90 (36 lecture, 54 lab)
Covers a range of tasks and functions of the software: Tween engines, movieclip construction to organize interactive content, creating and positioning movieclips with ActionScripting, Working with external media, simple XML using Action Scripting 3.0. Course restricted to 3 repetitions
Transfer Information: CSU Transferable, UC Transferable

MAT 290 Work Experience In Multimedia (1-4 Units)
Skills Advisories: Eligibility for ENG 98.
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

Noncredit Courses

MAT 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

MAT 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

MAT 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

MAT 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

MAT 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

MAT NC008 Introduction to Photoshop (0 Units)
Hours: 8 (8 lecture)
Students will work with Photoshop basic techniques to edit photographs and create digital imagery. Topics include editing techniques, working with layers, blending modes, Smart Objects, cropping and straightening, color and tone adjustments, noise reduction, and detail recovery. Students will also learn how to apply filters, layer effects, and how to create illustrative type for creative effects. Course restricted to 98 repetitions

MAT NC009 Introduction to Adobe Illustrator (0 Units)
Hours: 8 (8 lecture)
Students will 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, using live effects, 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

MAT NC010 Adobe 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
MUSIC (MUS)

Credit Courses

MUS 100 Fundamentals Of Music Techniques (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Learning to read music, developing aural perception, fundamentals of music theory and keyboard skills. (Primarily for non-Music majors)
Transfer Information: CSU Transferable, UC Transferable
C-ID: MUS 110.

MUS 102A Basic Musicianship (3 Units)
Corequisites: MUS 104A.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 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: CSUGE Area C1, CSU Transferable, UC Transferable
C-ID: MUS 125, MUS 135.

MUS 102B Basic Musicianship (3 Units)
Prerequisites: MUS 102A.
Corequisites: MUS 104B.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 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.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Intervals, keys, scales, chord structure and relationship of diatonic harmonies and non-chordal tones, cadences, harmonization of melodies. Music majors only; non-majors see MUS 100.
Transfer Information: CSUGE Area C1, IGTEC Area 3A, CSU Transferable, UC Transferable
C-ID: MUS 120.

MUS 110 Music Appreciation (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Survey of music history and literature; its elements, construction, forms, styles and composers from Medieval through contemporary periods. Guided listening to masterpieces. Concert attendance. Primarily for non-Music majors.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C1, IGTEC Area 3A, CSU Transferable, UC Transferable
UC Transfer Limit: MUS 110 and 110 HR combined: maximum credit, one course.
C-ID: MUS 100.

MUS 110H Music Appreciation, Honors (4 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 4 (4 lecture, 0 lab)
Survey of music history and literature; its elements, construction, forms, styles, and composers from Medieval through contemporary periods. Guided listening to masterpieces. Concert attendance. (Primarily for non-Music majors.)
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C1, IGTEC Area 3A, CSU Transferable, UC Transferable
UC Transfer Limit: MUS 110 and 110H combined: maximum credit, one course.
C-ID: MUS 100.

MUS 111 Classical Music Performance (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Live performances of world-class artists and orchestras presented by the Community Arts Music Association. Study of musical literature performed at these concerts.
Transfer Information: CSU Transferable, UC Transferable

MUS 112 History And Appreciation Of Contemporary Jazz And 20th Century American Music (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
LIMITATION ON ENROLLMENT: Audition with instructor. 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.
SBCC General Education: SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gend Studi
Transfer Information: CSUGE Area C1, IGTEC Area 3A, CSU Transferable, UC Transferable

MUS 114A Survey Of Music History (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Survey of music history and literature Classic to Modern. A Music major course also open to non-majors that requires some music theory background. One hour a week of outside listening or reading is required.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C1, IGTEC Area 3A, CSU Transferable, UC Transferable
MUS 114B Survey Of Music History (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Survey of music history and literature. A music major course also open to non-majors that requires some music theory background. One hour a week of outside listening or reading is required.
SBCC General Education: SBCCGE C: Humanities
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Stu
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

MUS 118 World Music (3 Units)
Skills Advisories: Eligibility for ENG 103.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Stu
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

MUS 119 Middle Eastern Music, Dance and Culture (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Introduction to Middle Eastern music and dance in both lecture and practical settings, emphasizing combinations and choreographies for various folk and classical dances, as well as aspects of music performance in singing and on percussion instruments. Attendance at one outside performance required.
SBCC General Education: SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Stu
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

MUS 120A Sound Recording And Electronic Music (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Concepts and procedures of sound recording and electronic music production, utilizing synthesizers, samplers, computers, etc.
Transfer Information: CSUGE Area C1, CSU Transferable

MUS 120B Sound Recording And Electronic Music (3 Units)
Prerequisites: MUS 120A.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Intermediate-level continuation, with emphasis on composition/analysis.
Transfer Information: CSU Transferable

MUS 122 Music Technology For Musicians (3 Units)
Course Advisories: MUS 100.
Skills Advisories: Eligibility for ENG 103.
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)
Skills Advisories: Eligibility for ENG 103.
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: Not Transferable

MUS 128A Songwriting I (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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: Not Transferable

MUS 128B Songwriting II (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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: Not Transferable

MUS 129 Commercial Music Projects (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Songwriting in specific styles and genres including movie and TV songs, country, ballades, alt country, dance music, alternative.
Transfer Information: Not Transferable

MUS 129A Intermediate Songwriting I (3 Units)
Skills Advisories: Eligibility for ENG 103.
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: Not Transferable

MUS 129B Intermediate Songwriting II (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Commercial applications including songwriting for advertising, writing for instruments, and arranging.
Transfer Information: Not Transferable

MUS 132A Summer Jazz Seminar (0.7 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 36 (36 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 (1 Unit)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Exploratory courses 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 (1 Unit)
Course Advisories: MUS 132.
Skills Advisories: Eligibility for ENG 103.
Hours: 36 (36 lecture)
Intermediate courses in jazz designed to supplement regular school and college programs with training in instrumental jazz performance. Open to students performing on jazz instruments.
Transfer Information: CSU Transferable

MUS 140A Beginning Piano (1 Unit)
Skills Advisories: Eligibility for ENG 103.
Hours: 36 (18 lecture, 18 lab)
Beginning piano technique for adults. Scales, chords, sight reading and musical interpretation of simplified arrangements of the standard classics.
Transfer Information: CSU Transferable, UC Transferable

MUS 140B Beginning Piano (1 Unit)
Prerequisites: MUS 140A.
Skills Advisories: Eligibility for ENG 103.
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 142A Intermediate Piano (1 Unit)
Prerequisites: MUS 140B.
Skills Advisories: Eligibility for ENG 103.
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 142B Intermediate Piano (1 Unit)
Prerequisites: MUS 142A.
Skills Advisories: Eligibility for ENG 103.
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)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Class method for beginning guitar students to provide pleasure in playing the guitar. Development of skills in note-reading, sight-reading, chord symbols and understanding music theory.
Transfer Information: CSU Transferable, UC Transferable

MUS 148 Intermediate Guitar (1 Unit)
Course Advisories: MUS 146.
Skills Advisories: Eligibility for ENG 103.
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 150 Beginning String Techniques (1 Unit)
Skills Advisories: Eligibility for ENG 103.
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.
Skills Advisories: Eligibility for ENG 103.
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)
Skills Advisories: Eligibility for ENG 103.
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.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Development of skills in singing. 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)
skills advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Limitation on Enrollment: Audition with instructor. 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 performances.
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 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 162 Chamber Singers (1 Unit)
Limitations on Enrollment: Audition with instructor.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
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
C-ID: MUS 180.

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)
Transfer Information: CSU Transferable, UC Transferable
C-ID: MUS 180.

MUS 163B Quire Of Voyces Modern (1 Unit)
Limitations on Enrollment: Audition.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Transfer Information: CSU Transferable, UC Transferable

MUS 164 Vocal Jazz Ensemble (1 Unit)
Limitations on Enrollment: Audition with instructor.
Skills Advisories: Eligibility for ENG 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
C-ID: MUS 180.

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: CSU Transferable, UC Transferable
C-ID: MUS 180.

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
C-ID: MUS 180.

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)
Performing ensemble open to all students with jazz ensemble experience.
Transfer Information: CSU Transferable, UC Transferable
C-ID: MUS 180.

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 class for students with intermediate level big band jazz experience. Class includes public performances and participation in festivals.
Transfer Information: CSU Transferable, UC Transferable
C-ID: MUS 180.

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 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 big band jazz literature. Frequent public performances and festival participation. Open to students with previous collegiate-level jazz ensemble performance experience.
Transfer Information: CSU Transferable, UC Transferable
C-ID: MUS 180.

MUS 170 Symphony Orchestra (1 Unit)
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
C-ID: MUS 180.

MUS 170B Symphony Orchestra B (1 Unit)
Skills Advisories: Eligibility for ENG 103 Audition with instructor.
Hours: 54 (54 lab)
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)
Hours: 54 (54 lab)
Skill Advisories: Eligibility for ENG 103 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 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  
C-ID: MUS 180.

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  
C-ID: MUS 180.

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 171.

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 171.

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  
C-ID: MUS 180.

MUS 175 Chamber Music of the Modern Era (1 Unit)  
Skills Advisories: Eligibility for ENG 103.  
Hours: 54 (54 lab)  
LIMITATION ON ENROLLMENT: Audition with instructor. 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  
C-ID: MUS 180.

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  
C-ID: MUS 180.

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  
C-ID: MUS 180.

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  
C-ID: MUS 180.

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 Spirituals (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 182A Chamber Singers Spirituals (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  
C-ID: MUS 180.
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 (3 Units)
Corequisites: MUS 102A and MUS104A or MUS102B 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.
Skills Advisories: Eligibility for ENG 103.
Hours: 126 (18 lecture, 108 lab)
Studio lessons in voice or on a specific woodwind, brass, string or percussion instrument. Emphasis on technical and literature studies. Performance class for students with previous collegiate-level big band jazz experience.
Transfer Information: CSU Transferable, UC Transferable

MUS 186 Intermediate A Applied Music (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 126 (18 lecture, 108 lab)
Studio lessons in voice or on a specific woodwind, brass, string or percussion instrument. Emphasis on intermediate-level technical and literature studies.
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 193 Womens Chorus (1 Unit)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
Study and performance of female ensemble choral literature. Public concert appearances.
Transfer Information: CSU Transferable, UC Transferable

MUS 202A Intermediate Musicianship (3 Units)
Prerequisites: MUS 102B.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 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.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 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 204A Intermediate Theory (3 Units)
Prerequisites: MUS 104B.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Continuation of the harmonic techniques of Music 104A-B, 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.
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lecture)
Continuation of the harmonic techniques of Music 104A-B, 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 205 Quire Of Voyces Renaissance (1 Unit)
Skills Advisories: Eligibility for ENG 103.
Hours: 54 (54 lab)
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 285 Applied Music (3 Units)
Corequisites: MUS 202A and MUS 204A or MUS 202B and MUS 204B 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.
Skills Advisories: Eligibility for ENG 103.
Hours: 126 (18 lecture, 108 lab)
Studio lessons in voice or on a specific woodwind, brass, string or percussion instrument. Emphasis on technical and literature studies.
Transfer Information: CSU Transferable, UC Transferable

MUS 286 Intermediate B Applied Music (3 Units)
Skills Advisories: Eligibility for ENG 103.
Hours: 126 (18 lecture, 108 lab)
Studio lessons in voice or on a specific woodwind, brass, string or percussion instrument. Emphasis on technical and literature studies.
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, UC Transferable
UC Transfer Limit: computed as Independent Study, see counselor

Noncredit Courses

MUS 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. This class develops self-confidence, socialization skills, and provides an outlet for creative expression. Course restricted to 98 repetitions

MUS NC045 Jazz Appreciation and History: For Older Adults (0 Units)
Hours: 15 (15 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

MUS NC057 Recorder Playing: For Older Adults (0 Units)
Hours: 30 (10 lecture, 20 lab)
Older adult student learn to play the recorder (or "Old English flute"). Students will 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

MUS 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

MUS NC090 Performance Singing: For Older Adults (0 Units)
Hours: 20 (8 lecture, 12 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. This class develops self confidence, socialization skills and provides an expressive outlet for creative expression. Course restricted to 98 repetitions

MUS 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
NATIVE AMERICAN STUDIES (NATA)

Credit Courses

NATA 101 American Indian: Past And Present (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, CSU US-1, IGETC Area 4C, CSU Transferable

NATA 102 The Native American In 20th Century Society (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGEC Area 4C, CSU Transferable

NATA 103 Native American Cultural Heritage (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

NATA 104 California Indians (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Native peoples of California: their origin, language, arts, customs, religion and music.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

NATA 105 California Tribes: The Chumash (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable

NATA 113 The Indian In Literature: Fact And Fiction (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
NURSING (NURS)

Credit Courses

NURS 119 Introduction to RN for the LVN (3 Units)
Limitations on Enrollment: Admission to Program.
Hours: 126 (18 lecture, 108 lab)
Provides a basic orientation to the Santa Barbara City College Associate Degree Nursing Program based on Watson’s 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, assessment, and care of the childbearing patient are examined.
Transfer Information: CSU Transferable

NURS 160 Foundations of Nursing (4 Units)
Hours: 144 (36 lecture, 108 lab)
Limitation on enrollment: Admission to the ADN Program. Application of the Watson Caring Model and the role of the nurse. Critical thinking and basic skills necessary to administer beginning-level assessment and interventions for adults across the lifespan. Clinical experiences provide opportunities for students to deliver nursing care that focuses on health maintenance and promotion in a variety of health settings.
Transfer Information: CSU Transferable

NURS 161 Pharmacology Nursing (1.5 Unit)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 27 (27 lecture)
Provides a methodical approach for calculating medication dosages and administering drugs. Includes general principles of pharmacology and legal, ethical and safety aspects of medication administration. Emphasis on nursing responsibilities, such as maximizing therapeutic effects and minimizing adverse effects of drug therapy, appropriate patient teaching and ongoing assessment of the patient.
Transfer Information: CSU Transferable

NURS 162 Introduction to Medical-Surgical Nursing I (4 Units)
Limitations on Enrollment: Admissions to the ADN program.
Hours: 144 (36 lecture, 108 lab)
Introduction to concepts and practices relating to the nursing environment. Utilizing the nursing process and Watson's Caring Theory, the student will begin to recognize alterations in functioning or illness and formulate age-appropriate nursing interventions to meet the needs of a diverse population.
Transfer Information: CSU Transferable

NURS 163 Beginning Medical Surgical II (5.5 Units)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 189 (54 lecture, 135 lab)
Develops first-year nursing students' knowledge as they relate to adult and geriatric non-critical, moderately complex medical-surgical patients. Utilizing the nursing process and Watson's Caring Theory, students recognize alterations in status and formulate age-appropriate care. Psychomotor skills include medication administration, sterile procedures, isolation procedures, and intravenous therapy.
Transfer Information: CSU Transferable

NURS 164 Nursing Care of Childbearing and Families (2.5 Units)
Hours: 99 (18 lecture, 81 lab)
Limitation of Enrollment: Admission to the Program. Provides knowledge and skills to provide safe, effective, culturally-sensitive, physiological and psychosocial care, using Watson's Caring Theory, the nursing process and family-centered approach for childbearing clients and families. Clinical experience emphasizes refinement of critical thinking, teaching/learning, decision-making, psychomotor skills and management of childbearing patients.
Transfer Information: CSU Transferable

NURS 165 Mental Health Nursing (2.5 Units)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 81 (27 lecture, 54 lab)
Introduction to mental health psychiatric nursing, using the nursing process, promoting psychosocial integrity within the health illness continuum across the life span. Emphasizes therapeutic interactions and communications, bio-psychosocial rehabilitation and therapeutic use of self. Various clinical settings provide students opportunity to participate in therapeutic activities.
Transfer Information: CSU Transferable

NURS 165VN Mental Health Nursing for the VN (1 Unit)
Hours: 36 (9 lecture, 27 lab)
Limitation on Enrollment: Admission to the ADN program. Application of Mental Health nursing, using the nursing process and Watson's Caring Theory, to promote psychosocial integrity within the health illness continuum across the life span. Emphasis on therapeutic interactions and communication, biopsychological rehabilitation, and therapeutic use of self.
Transfer Information: CSU Transferable

NURS 166 Intermediate Medical-Surgical Nursing III (5 Units)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 180 (45 lecture, 135 lab)
Application of the nursing process in the care of patients experiencing alterations in the respiratory, cardiac, gastrointestinal, musculoskeletal, immunological and hematological systems. Knowledge of the nursing role, communication, safety, pharmacology, growth and development, socio-cultural diversity and nutrition to promote, maintain and restore optimum wellness.
Transfer Information: CSU Transferable

NURS 167 Nursing Care of Children and Families-Pediatrics (2.5 Units)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 99 (18 lecture, 81 lab)
Application of the Watson Caring Theory and the nursing process to the care of children, from birth to 18, who are experiencing alterations in their health states. Knowledge of the nursing role, communication, safety, pharmacology, growth and development, socio-cultural diversity and nutrition to promote optimum wellness.
Transfer Information: CSU Transferable

NURS 167VN Nursing Care of Children and Families for the LVN (1.5 Unit)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 45 (18 lecture, 27 lab)
Application of the Watson Caring Model and the nursing process to the care of children, from birth to 18 who are experiencing alterations in their health states. Knowledge of the nursing role, communication, safety, pharmacology, growth and development, socio-cultural diversity and nutrition to promote and maintain optimum wellness.
Transfer Information: CSU Transferable
NURS 168 Advanced Medical-Surgical Nursing IV (6.5 Units)
Hours: 261 (45 lecture, 216 lab)
Transfer Information: CSU Transferable

NURS 169 Gerontology-Community Nursing (2 Units)
Limitations on Enrollment: Admission to the ADN Program.
Hours: 72 (18 lecture, 54 lab)
This course will focus on concepts and current practice in community nursing. Application of previous knowledge and skills in applying the nursing process to individuals across the life span living in the community. Course content will also include Gerontological nursing theory with emphasis on lifestyle and physical changes that occur with aging; the process of initiating health referrals; and interventions to increase functional abilities.
Transfer Information: CSU Transferable

NURS 190 Assessment Of Clinical Competence (0.5-2 Units)
Limitations on Enrollment: Must pass physical exam.
Hours: 108 (108 lab)
Re-entering, transfer, or current students only. Designed to evaluate clinical nursing skills of students with previous nursing experience. It is also used for 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 194 Review And Update Of Nursing Skills (0.5 Units)
Hours: 27 (27 lab)
Opportunity for the licensed nurse (RN and LVN) to review and practice nursing skills in the SBCC Nursing Laboratory. Orientation meetings are held monthly. See website for information.
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 198 Diploma Nursing Credit (30 Units)
Limitations on Enrollment: Current RN license in California.
Hours: 0 (0 lecture)
For RNs whose basic nursing preparation earned a nursing diploma, 30 units of college credit is awarded toward a BSN following evaluation of diploma program.
Transfer Information: CSU Transferable

NURS 282 NCLEX Success (1 Unit)
Hours: 46 (4 lecture, 42 lab)
Associate Degree Nursing students work with instructor to develop specific strategies to assist them in preparation for the National Licensure Exam for Nursing. The strategies are individualized for each student based on RN Predictor Assessment results. Provides individual and group counseling, creation of a study plan for review, and evaluation of the plan after implementation.

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 Licensure 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 Licensure Exam (NCLEX). 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 of Licensure Exam (NCLEX). Examine 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 Licensure 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. Class meetings on campus will be scheduled each semester. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

NURS 295 Internship In Nursing (2-4 Units)
Limitations on Enrollment: Current enrollment in ADN Program and completion of NURS 101-127.
Skills Advisories: MATH 107 and Eligibility for ENG 110 or ENG 110H.
Hours: 273 (273 lab)
Structured internship program in which students gain experience in the hospital setting.
Transfer Information: CSU Transferable
NURS 299 Independent Study In Nursing (1 Unit)

Hours: 66 (18 lecture, 48 lab)
Student works under the direction of sponsoring faculty member on project consistent with the student's interests and abilities. Minimal weekly meetings with faculty sponsor are required. Course may be taken for one units of credit; each student is required to devote approximately three hours per week to her/his project.

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 020B Strategies For Student Success (1 Unit)
Hours: 18 (18 lecture)
Focuses on specific strategies for achieving academic and personal success. Students come to understand motivation and learn how to identify and overcome self-defeating behaviors.

PD 025 Orientation To EOPS/CARE (1 Unit)
Limitations on Enrollment: Eligibility for EOPS/CARE Program required EOPS/CARE only.
Hours: 18 (18 lecture)
Orientation to acquaint students with campus, college procedures and policies, as well as programs. Graded Credit/No Credit.

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.

PD 101A Orientation To College For Re-Entry Adults (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Introduction to the campus and its resources for adults returning to school. Topics include study skills, time management and coping with the transition to being a student again. Graded Pass/No Pass.

PD 101B Orientation to College For International Students (0.5 Units)
Skills Advisories: Eligibility for ESL level 5.
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.

PD 102A Orientation to College for ESL (1 Unit)
Hours: 18 (18 lecture)
Introduction to the campus and its resources for first-time to college ESL students. Topics include study skills, time management, coping with the transition to being a student in the United States, and an introduction to SBCC educational programs.

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.

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.

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.

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.

PD 120 Peer Education/Lifestyles (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Development of peer education skills around healthy lifestyle choices, with emphasis on the effects of alcohol and other drugs, HIV prevention, sexual health, relationships, self-esteem and stress management. Designed to enable students to participate in formal or informal campus, community or personal peer education and prevention programs.

PD 131 Stress Management and Wellness (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
Learn and integrate effective coping strategies to promote self-awareness, personal wellness, academic success, and model these strategies, including managing symptoms of stress and other psychological conditions.

PD 133 Focus and Attention for Student Success (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
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.

PD 137 Creativity and Wellness (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 9 (9 lecture)
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.

PD 138 Mindfulness and Meditation (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 9 (9 lecture)
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.

PD 139 Personal Awareness Group (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
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.

PD 140 Career Planning and Decision-Making (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
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.

PD 141 Effective Time Management (1 Unit)
Skills Advisories: ENG 70 or ENG 80.
Hours: 18 (18 lecture)
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.

PD 142 Peer Education/Lifestyles (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
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.

PD 143 Stress Management and Wellness (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 54 (54 lecture)
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.

PD 144 Creativity and Wellness (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 9 (9 lecture)
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.

PD 145 Mindfulness and Meditation (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 9 (9 lecture)
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.

PD 146 Personal Awareness Group (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
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.

PD 147 Career Planning and Decision-Making (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
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.

PD 148 Effective Time Management (1 Unit)
Skills Advisories: ENG 70 or ENG 80.
Hours: 18 (18 lecture)
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.
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

PD 145 College Success in Health Occupations (3 Units)
Skills Advisories: ENG 70 or ENG 80.
Hours: 54 (54 lecture)
Students clarify their educational objectives and develop the skills necessary to attain them. Topics include time management, reading and study skills, goal-setting health occupations, career planning, and communication skills.
Transfer Information: CSU Transferable

PD 149A Academic Planning (1 Unit)
Course Advisories: Eligibility for ESL 122 and 123 and 124 or ESL 132 and 124.
Hours: 18 (18 lecture)
Introduction to academic 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.
Transfer Information: CSU Transferable

PD 149B Academic Planning for F1 Visa Students (0.5 Units)
Skills Advisories: Eligibility for ESL level 5.
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

PD 149C Academic Planning for STEM Students (0.5 Units)
Hours: 9 (9 lecture)
Introduction to educational planning which leads to the completion of a comprehensive Student Education Plan (SEP). STEM students will learn to incorporate major design elements of an SEP by utilizing resources that identify educational requirements and appropriately balance a course schedule.
Transfer Information: CSU Transferable

PD 191A Career Planning: A Self-Directed Approach (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Self-paced, individualized career planning course to include career assessment and testing, career counseling, independent career research. Students prepare a personal portfolio that includes short-term and future educational career plans and goals; and activities designed to achieve these goals. Course available through Internet assignments or through independent research conducted at the Career Center, with some class meetings required.
Transfer Information: CSU Transferable

PD 191B Math Success Seminar (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Individualized course to help students find better patterns for success in mathematics.

PD 191D Orientation To College (0.5 Units)
Hours: 8.5 (8.5 lecture)
Designed to help new/first-time students understand the role of college, and to develop skills that promote academic persistence and personal adjustment.

Noncredit Courses
PD 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

PD 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
PHILOSOPHY (PHIL)

Credit Courses

PHIL 100 Introduction To Philosophy (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
General survey of the basic problems and systems in philosophy. Special consideration given to Elementary Logic, Epistemology, Metaphysics, Ethics, Philosophy of Religion, Political Philosophy and Aesthetics.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: PHIL 100 and 100H combined: maximum credit, one course.
C-ID: PHIL 100.

PHIL 100H Introduction to Philosophy, Honors (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: PHIL 100 and 100H combined: maximum credit, one course.
C-ID: PHIL 100.

PHIL 101 Introduction To Ethics (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
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. Some usual topics include the meaning of "should," "right," "justice," "blame," "responsibility." An examination of the moral aspect of social issues, such as abortion, euthanasia, the environment and drug legalization, etc.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: PHIL 101 and 101H combined: maximum credit, one course.
C-ID: PHIL 120.

PHIL 101H Introduction To Ethics, Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: PHIL 101 and 101H combined: maximum credit, one course.
C-ID: PHIL 120.

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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: PHIL 102 and 102H combined: maximum credit, one course.

PHIL 102H Comparative World Religions, Honors (3 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
In-depth 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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
UC Transfer Limit: PHIL 102 and 102H combined: maximum credit, one course.

PHIL 105 Business Ethics (3 Units)
Skills Advisories: ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Exploration of how to recognize, analyze and implement ethical decisions within the multi-valued contexts of business. Study of major ethical theories and how they can be applied to business situations. Analysis of the factual and normative aspects of making moral choices and resolving moral dilemmas faced in the corporate world. Issues include corporate responsibility, employee and consumer rights, sexual harassment, fair hiring practices, obligations to the environment, multinational corporations and the ethics of international trade.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: 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 D: Humanities
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
C-ID: PHIL 130.

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 time of the Renaissance/Reformation; rise of science in the 1500s to early 19th century. Philosophers discussed are Bacon; Hobbes; Descartes; Spinoza; Leibnitz; Locke; Berkeley; Hume; and Kant.
SBCC General Education: SBCCGE C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
C-ID: PHIL 140.

PHIL 203 History Of Philosophy: Contemporary (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Philosophers of the 19th and 20th centuries are studied, showing their impact upon thought, culture, and society. Some of the philosophers presented are Bertrand Russell; G. Frege; G.E. Moore; Jean Paul Sartre; L. Wittgenstein; Ayer; Ryle; Heidegger; Husserl; Rawls; and Quine.
SBCC General Education: SBCCGE C: Humanities
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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. 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 C: Humanities
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)
Investigation into the nature of argument. Such topics as justification, induction, deduction, validity, language, formal and informal fallacies are discussed. Includes an introduction to Traditional Categorical Logic, the Propositional Calculus, and Quantification Theory.
SBCC General Education: SBCCGE D2: Comm/Analytic Think
Transfer Information: CSUGE Area A3, CSU Transferable, UC Transferable
C-ID: PHIL 110.

PHIL 207 Issues In Philosophy Series: Philosophy and Film (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Important issues (philosophers, topics, problems and fields) of philosophy are studied, revealing their impact on our lives, thought and civilization. Issues presented in this series include bioethics; mind/body problem; pacifism; morality and human nature; philosophy of art; philosophy and literature; philosophy and politics; philosophy of education; philosophy of science; philosophy of film; the philosophy of mathematics; philosophy of mind; and comparative philosophy.
Transfer Information: CSU 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 C: Humanities
Transfer Information: CSUGE Area C2, 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 study, 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, UC Transferable
UC Transfer Limit: computed as Independent Study; see counselor.
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

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 130 Digital Assets Management (1 Unit)
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Explain 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)
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 147 Sports Photography (1 Unit)
Course Advisories: PHOT 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 18 (18 lecture)
Teaches 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 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 152 Advanced 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 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

PHOT 190 Photojournalism (3 Units)
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 Photo II (3 Units)
Course Advisories: PHOTO 109.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Exploration of photographic composition; digitizing; scanning negatives, slides and prints; studio lighting; categories of cameras; digital imaging; use of high contrast; special-effect photographs; various scanning and printing techniques; advanced assignments in digital photography; and group projects. Emphasis on environmental and studio lighting.
Transfer Information: CSU Transferable, UC Transferable

PHOT 214 Advertising Illustration (3 Units)
Course Advisories: PHOTO 109 or PHOTO 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 250 Fine Art Photography (3 Units)
Course Advisories: PHOTO 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: PHOTO 109 and PHOTO 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 280 Advanced Lighting Systems (3 Units)
Course Advisories: PHOTO 109 and PHOTO 209.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Designed to take Photo, Video, and Multimedia students beyond basic lighting techniques. Lighting systems include studio, portable electronic strobes, 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, and large set lighting.
Transfer Information: CSU Transferable

PHOT 281 Digital Darkroom II (3 Units)
Course Advisories: PHOTO 109.
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

PHOT 285 Color Management (3 Units)
Course Advisories: PHOTO 109, PHOTO 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

Noncredit Courses

PHOT 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

PHOT 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
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 103A Beginning Golf (1.5 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
(Note: There is a $25 fee). 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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 103B Intermediate Golf (1.5 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
(Note: There is a $25 fee). 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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 103C Advanced Golf (1.5 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (12.6 lecture, 41.4 lab)
(Note: There is a $25 fee). 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
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.
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 E3: Physical Education
Transfer Information: Health & Wellness Online, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 120C Advanced 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 advanced-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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 121A Beginning Basketball (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 basketball. 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 121B Intermediate Basketball (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 basketball. 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
PE 123A Beginning 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. It provides a conditioning program involving event-specific running and event-specific techniques and drills.
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
PE 123B Intermediate Track And Field (1.5 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
PE 123C Advanced Track And Field (1.5 Unit)
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: PE 128, 200 and 218: any or all of these courses combined: maximum credit, 8 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 endurance and speed, with instruction in starts, turns, relays and safety/survival skills.
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 133 Ocean Kayaking (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 ocean kayaking: stroke technique, steering, launching, beaching, righting, water safety, and cardiovascular fitness. Swim test administered.
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 143 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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 145A Dance Fitness: Beginning (1.5 Unit)
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 145B Dance Fitness: Intermediate (1.5 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 146 Stretching And Relaxation (1.5 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 147A Conditioning for Intercollegiate Athletes (0.5 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 147B Conditioning for Intercollegiate Athletes (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 147C Conditioning for Intercollegiate Athletes (1.5 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 147D Conditioning for Intercollegiate Athletes (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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.
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: Health and Wellness, 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 E3: Physical Education
Transfer Information: Health and Wellness, 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 E3: Physical Education
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 E3: Physical Education
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 rhythmic movement patterns, coordination and presentation skills. No dance experience required.
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: Health and Wellness, 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 rhythmic movement patterns, coordination, and presentation skills. Beginning Jazz, Ballet or Modern recommended. Successful completion of Beginning Jazz required.
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: Health and Wellness, 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)
Continued exploration of the fundamentals of jazz dance including theatrical, film/video and contemporary dance styles. Through active participation, students will experience a universal jazz dance vocabulary that will emphasize rhythmic movement patterns, coordination, and presentation skills. Successful completion of Beginning Jazz required. Prior dance experience recommended.
SBCC General Education: SBCCGE E3: Physical Education
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 E3: Physical Education
Transfer Information: Health and Wellness, 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 modern dance skills. Through active participation, students will 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.
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: Health and Wellness, 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.
SBCC General Education: SBCGGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

PE 153 Dance Concert (1.5 Unit)
Limitations on Enrollment: Audition for course.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (12.6 lecture, 41.4 lab)
Faculty directed and supervised dance concert(s). Students will experience
artistic and educational public performances at traditional and non-traditional performance sites. Students are involved in
production process: 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.
SBCC General Education: SBCGGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

PE 154A Dance Ensemble (2 Units)
Skills Advisories: Eligibility for ENG 100 and 103.
Hours: 108 (108 lab)
The dance ensemble is 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.
SBCC General Education: SBCGGE E3: Physical Education
Transfer Information: CSU Transferable, UC 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: SBCGGE E3: Physical Education
Transfer Information: Health and Wellness, 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: SBCGGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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: SBCGGE E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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: SBCGGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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: SBCGGE E3: Physical Education
Transfer Information: Health & Wellness Online, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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: SBCGGE E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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: SBCGGE E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
PE 167 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 E3: Physical Education

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 E3: Physical Education

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 E3: Physical Education

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 E3: Physical Education

PE 177 Life Fitness - Weight Management (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 E3: Physical Education

PE 178 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 E3: Physical Education

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 E3: Physical Education

PE 176A Beginning Fitness Yoga (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 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 E3: Physical Education

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 E3: Physical Education

PE 176C Advanced 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 advanced-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 E3: Physical Education
PE 180A Intercollegiate Baseball - Men (3 Units)
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 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units

PE 181A Intercollegiate Basketball - Women (3 Units)
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, 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units

PE 180B Intercollegiate Baseball - Men (2 Units)
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units

PE 180C Intercollegiate Baseball - Men (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units

PE 181B Intercollegiate Basketball - Women (2 Units)
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units

PE 181C Intercollegiate Basketball - Women (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units

PE 182A Intercollegiate Basketball - Men (3 Units)
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, 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units

PE 182B Intercollegiate Basketball - Men (2 Units)
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 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and
MDT 105: maximum credit, 4 units
PE 182C Intercollegiate Basketball - Men (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 183A Intercollegiate Cross Country for Women and Men (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 183B Intercollegiate Cross Country for Women and Men (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 183C Intercollegiate Cross Country for Women and Men (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 184A Intercollegiate Football - Men (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 184B Intercollegiate Football - Men (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 184C Intercollegiate Football - Men (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
PE 185A Intercollegiate Golf (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 185B Intercollegiate Golf (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 185C Intercollegiate Golf (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 186A Intercollegiate Tennis - Women (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 186B Intercollegiate Tennis - Women (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 186C Intercollegiate Tennis - Women (1 Unit)
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 that will enable them to compete at the collegiate level. Course restricted to 3 repetitions
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 187A Intercollegiate Tennis - Men (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 188A Intercollegiate Track And Field - Women (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
PE 188B Intercollegiate Track And Field - Women (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 188C Intercollegiate Track And Field - Women (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 189A Intercollegiate Track And Field - Men (3 Units)
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. 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 189B Intercollegiate Track And Field - Men (2 Units)
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 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 189C Intercollegiate Track And Field - Men (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 190A Intercollegiate Volleyball - Women (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 190B Intercollegiate Volleyball - Women (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 190C Intercollegiate Volleyball - Women (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 191A Intercollegiate Volleyball - Men (3 Units)
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 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 191B Intercollegiate Volleyball - Men (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 191C Intercollegiate Volleyball - Men (1 Unit)
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 98 and 103 Provide opportunities for men to receive advanced level instruction and training in skills, techniques and strategies, and leadership, as well as.
Hours: 54 (54 lab)
Student must have a physical prior to participation in class. ...
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 192A Intercollegiate Soccer - Women (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 192B Intercollegiate Soccer - Women (2 Units)
Limitations on Enrollment: Selection to enroll by permission of instructor.
Skills Advisories: Eligibility for ENG 100 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.
Course:

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 192C Intercollegiate Soccer - Women (1 Unit)
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 educational environment for wholesome competition. Course restricted to 3 repetitions.

SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 193A Intercollegiate Soccer - Men (3 Units)
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 educational environment for wholesome competition. Course restricted to 3 repetitions.

SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 193B Intercollegiate Soccer - Men (2 Units)
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. Course restricted to 3 repetitions.

SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 193C Intercollegiate Soccer - Men (1 Unit)
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 educational environment for wholesome competition. Course restricted to 3 repetitions.

SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 194A Intercollegiate Softball - Women (3 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 194B Intercollegiate Softball - Women (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 194C Intercollegiate Softball - Women (1 Unit)
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 educational environment for wholesome competition. Course restricted to 3 repetitions.

SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable

UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.
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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 197A 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 199B Intercollegiate Cheer/Dance (2 Units)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 199C Intercollegiate Cheer/Dance Team (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

PE 199D Intercollegiate Cheer/Dance Team (1 Unit)
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units.

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: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: PE 128, 200 and 218: any or all of these courses combined: maximum credit, 8 units
C-ID: KIN 100.

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 215 Coaching Youth Softball (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103 Lecture course on practical skill development designed to aid the youth softball coach.
Hours: 18 (18 lecture)
History, theory, psychological and philosophical aspects, and safety factors are covered.
Transfer Information: CSU Transferable
PE 216 Competition, Motivation And The Athlete (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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: Health and Wellness, 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: CU Transferable
UC Transfer Limit: PE 128, 200 and 218: any or all of these courses combined: maximum credit, 8 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: Health and Wellness, CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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

Santa Barbara City College 581
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Hours</th>
<th>Skills Advisories</th>
<th>Course Advisories</th>
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<tbody>
<tr>
<td>PE 224</td>
<td>Triathlon (1.5 Unit)</td>
<td>1.5</td>
<td>54</td>
<td>Eligibility for ENG 98, ENG 103.</td>
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<td>Hours: 54 (12.6 lecture, 41.4 lab)</td>
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<td>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.</td>
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<tr>
<td>PE 225</td>
<td>Running for Conditioning (1.5 Unit)</td>
<td>1.5</td>
<td>54</td>
<td>Eligibility for ENG 98 or ENG 103.</td>
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<td>Hours: 54 (12.6 lecture, 41.4 lab)</td>
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<td>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.</td>
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<td>PE 226</td>
<td>Sport Video Technology (3 Units)</td>
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<td>54</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 54 (54 lecture)</td>
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<td>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.</td>
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<td>Transfer Information: CU Transferable</td>
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<tr>
<td>PE 227</td>
<td>Hiking for Fitness (1.5 Unit)</td>
<td>1.5</td>
<td>54</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 54 (12.6 lecture, 41.4 lab)</td>
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<td>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.</td>
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<td>PE 228</td>
<td>Adapted Physical Education (1.5 Unit)</td>
<td>1.5</td>
<td>58.5</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 58.5 (13.5 lecture, 45 lab)</td>
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<td>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.</td>
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<tr>
<td>PE 229</td>
<td>Intercollegiate Sports Development (0.3 Units)</td>
<td>0.3</td>
<td>12</td>
<td>Eligibility for ENG 98 and Eligibility for ENG 103.</td>
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<td>Hours: 12 (5 lecture, 7 lab)</td>
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<td>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 &amp; 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</td>
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<td>Transfer Information: CU Transferable</td>
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<tr>
<td>PE 229</td>
<td>Survey and Appreciation of Dance History (3 Units)</td>
<td>3</td>
<td>54</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 54 (54 lecture)</td>
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<td>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.</td>
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<tr>
<td>PE 230</td>
<td>Fundamentals of Choreography (2 Units)</td>
<td>2</td>
<td>54</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 54 (27 lecture, 27 lab)</td>
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<td>Course Advisories: PE 152.</td>
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<tr>
<td>PE 231</td>
<td>Experimental Filmmaking and Dance (3 Units)</td>
<td>3</td>
<td>90</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 90 (36 lecture, 54 lab)</td>
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<td></td>
<td>Issues and practices of creating dance for camera, emerging technologies and new genre filmmaking. Students collaborate to create their own dance compositions and use experimental film and lighting techniques to make short dance films.</td>
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<td>Transfer Information: CU Transferable</td>
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<td>PE 232</td>
<td>Dance Improvisation (1.5 Unit)</td>
<td>1.5</td>
<td>54</td>
<td>Eligibility for ENG 98 or ENG 103.</td>
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<td>Hours: 54 (12.6 lecture, 41.4 lab)</td>
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<td>Introduction to creative exploration in movement through guided exercises and experiences that enrich one's personal movement vocabulary. Students learn to access and develop the ability to articulate aesthetic distinctions. Special emphasis on movement experimentation, invention and development.</td>
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<td>PE 233</td>
<td>Survey and Appreciation of Dance History (3 Units)</td>
<td>3</td>
<td>54</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 54 (54 lecture)</td>
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<td>Course Advisories: FP 170 or PE 252.</td>
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<tr>
<td>PE 234</td>
<td>Experimental Filmmaking and Dance (3 Units)</td>
<td>3</td>
<td>90</td>
<td>Eligibility for ENG 98 and ENG 103.</td>
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<td>Hours: 90 (36 lecture, 54 lab)</td>
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<td></td>
<td>Issues and practices of creating dance for camera, emerging technologies and new genre filmmaking. Students collaborate to create their own dance compositions and use experimental film and lighting techniques to make short dance films.</td>
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<td>PE 235</td>
<td>Dance Improvisation (1.5 Unit)</td>
<td>1.5</td>
<td>54</td>
<td>Eligibility for ENG 98 or ENG 103.</td>
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<td>Hours: 54 (12.6 lecture, 41.4 lab)</td>
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<td>Introduction to creative exploration in movement through guided exercises and experiences that enrich one's personal movement vocabulary. Students learn to access and develop the ability to articulate aesthetic distinctions. Special emphasis on movement experimentation, invention and development.</td>
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</tbody>
</table>
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.
SBCC General Education: SBCCGE E3: Physical Education
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

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

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 E3: Physical Education
Transfer Information: Health and Wellness, 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 E3: Physical Education
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 282 Pre-Season Intercollegiate Basketball - 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 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 283 Pre-Season Intercollegiate Volleyball - 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 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

PE 285 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 skills. Course restricted to 3 repetitions
SBCC General Education: SBCCGE E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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: Health and Wellness, 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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units

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 E3: Physical Education
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: All PE activity courses combined with HE 108, 213 and MDT 105: maximum credit, 4 units
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 A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: No credit for PHYS 103 if taken after a college level course in astronomy, chemistry, geology, or physics.

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 A: Natural Sci Lect/Lab
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 98 and proficiency in MATH 1 or MATH 41.
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: SBCGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B1, IGETC Area 5A, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 101, 101L and 102 combined: maximum credit, 4 units; no credit for PHYS 101 or 102 if taken after 105; PHYS 101 and 101H combined: maximum credit, one course.
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: SBCGE A: Natural Sci Lab
Transfer Information: CSUGE Area B3, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 101, 101L and 102 combined: maximum credit, 4 units.
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: SBCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 101, 101L and 102 combined: maximum credit, 4 units; no credit for PHYS 101 or 102 if taken after 105.
PHYS 105 General Physics (4 Units)
Prerequisites: MATH 120.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
Statics and dynamics of particles and rigid bodies, Newton’s Laws of Motion, conservation principles, rotational motion, simple harmonic motion, wave motion and heat and sound, introduction to hydrostatics and hydrodynamics.
SBCC General Education: SBCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 105 and 106 or PHYS 110 and 111 or 121, 122 and 123 combined: maximum credit, one series.
C-ID: PHYS 105.

PHYS 106 General Physics (4 Units)
Prerequisites: PHYS 105 and MATH 107 or MATH 111.
Skills Advisories: MATH 120 and eligibility for ENG 110 or ENG 110H.
Hours: 108 (54 lecture, 54 lab)
Electricity, magnetism, optics, relativity, atomic and nuclear physics.
SBCC General Education: SBCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 105 and 106 or PHYS 110 and 111 or 121, 122 and 123 combined: maximum credit, one series.
C-ID: PHYS 110.

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)
Statics and dynamics of particles and rigid bodies, Newton’s Laws of Motion, conservation principles, rotational motion, simple harmonic motion, wave motion, heat and sound, introduction to hydrostatics and hydrodynamics. (Appropriate for Life Science majors requiring calculus-level physics.)
SBCC General Education: SBCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 105 and 106 or PHYS 110 and 111 or 121, 122 and 123 combined: maximum credit, one series.
C-ID: PHYS 105.

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, optics, relativity, atomic and nuclear physics. (Appropriate for life science majors requiring calculus-level physics.)
SBCC General Education: SBCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 105 and 106 or PHYS 110 and 111 or 121, 122 and 123 combined: maximum credit, one series.
C-ID: PHYS 110.

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: SBCGE A: Natural Sci Lect/Lab
Transfer Information: CSUGE Area B1, CSUGE Area B3, IGETC Area 5A, IGETC Area 5C, CSU Transferable, UC Transferable
UC Transfer Limit: PHYS 105 and 106 or PHYS 110 and 111 or 121, 122 and 123 combined: maximum credit, one series.
C-ID: PHYS 200S, PHYS 205.

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
UC Transfer Limit: PHYS 105 and 106 or PHYS 110 and 111 or 121, 122
and 123 combined: maximum credit, one series.

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
UC Transfer Limit: PHYS 105 and 106 or 110 and 111 or 121, 122 and 123
combined: maximum credit, one series.
C-ID: PHYS 200S, PHYS 215.

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.
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 B: Social/Bhv Science, SBCCGE E2: American Insititutions
Transfer Information: CSUGE Area D8, 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
UC Transfer Limit: No credit for POLSC 102 unless taken concurrently or after 101.

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 B: Social/Bhv Science, SBCCGE E2: American Insititutions
Transfer Information: CSUGE Area D8, CSU Transferable
UC Transferable

POLS 106H The Presidency And American Institutions, Honors (3 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
See "Honors" section of this Catalog. Study of the American Presidency as the linchpin of the American Constitutional system. Introduction to the relationships among the Presidency, the Congress, courts, press, public and the federal system, including state and political systems, governors, and local jurisdictions, political parties and interest groups. Special emphasis on those values and political pressures which shape the Presidency. SBCC General Education: SBCCGE B: Social/Bhv Science, SBCCGE E2: American Insititutions
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable
UC Transferable

POLS 107 California State And Local Politics (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examination of the policies and decision-making process at state and local levels and an exploration of the major contemporary issues facing its citizens. SBCC General Education: SBCCGE B: Social/Bhv Science
Transfer Information: CSUGE Area D8, CSU 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 B: Social/Bhv Science
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

POLS 111 Elements Of Government Finance (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to financial realities of government. Surveys local and state government fiscal policies, revenues and budget cycles, taxes and intergovernmental fiscal relationships. Transfer Information: CSU 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 B: Social/Bhv Science
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable
C-ID: POLS 140.

POLS 121H International Politics, Honors (4 Units)
Limitations on Enrollment: Admission to Program* Honors course.
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. Transfer Information: CSU 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 B: Social/Bhv Science
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable
POLS 126 The United States in World Affairs (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to the study of U.S. foreign policy, with an emphasis on the time period after 1945. Focus on the political, economic and social forces that have shaped U.S. policy on the world stage. Discussion of the major schools of thought in American foreign policy to understand and analyze foreign policies and issues.
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 B: Social/Behv Science
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable
C-ID: POLS 130.

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
C-ID: POLS 120.

POLS 134H Political Violence, Honors (4 Units)
Limitations on Enrollment: Admission to 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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable

POLS 141 Introduction To Public Administration (3 Units)
Course Advisories: POLS 101 or ECON 101 or MGMT 101.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to principles and trends in public administration, including organization, policies and decision processes. Topics include organizational theory and behavior, functions and methods of management, and program design, implementation and evaluation.
Transfer Information: CSU 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 B: Social/Behv Science
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable
UC Transfer Limit: POLS 151 and 151H combined: maximum credit, one course.

POLS 151H Law And Society, Honors (4 Units)
Limitations on Enrollment: Acceptance into the Honors Program.
Hours: 72 (72 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 B: Social/Behv Science
Transfer Information: CSUGE Area D8, IGETC Area 4H, CSU Transferable, UC Transferable
UC Transfer Limit: POLS 151 and 151H combined: maximum credit, one course.

POLS 152 Law And Society (1 Unit)
Corequisites: POLS 151 or POLS 151H.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
One-unit course taught by a local attorney, prosecutor or judge intended to augment POLS 151 through the viewpoint of a practitioner in the legal profession.
Transfer Information: CSU Transferable.

POLS 161 Contemporary Political Issues (1 Unit)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)
Discussion course on current national and international issues.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: POLS 161-164 computed as Independent Stude; see counselor.

POLS 162 Contemporary Political Issues (2 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Discussion course on current national and international issues.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: POLS 161-164 computed as Independent Stude; see counselor.

POLS 163 Contemporary Political Issues (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Discussion course on current national and international issues.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: POLS 161-164 computed as Independent Stude; see counselor.
POLS 164 Contemporary Political Issues (4 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 lecture)
Discussion course on current national and international issues.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: POLS 161-164 computed as Independent Study; see counselor.

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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 216 (216 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: 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 192 (192 lab)
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

Noncredit Courses

PRO NC002 Business Writing in a Technological World (0 Units)
Hours: 8 (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,
memorandum 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

PRO NC003 Time Management (0 Units)
Hours: 8 (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

PRO NC004 Communication Strategies for the Workplace (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

PRO NC005 Critical Thinking, Problem Solving and Decision Making (0
Units)
Hours: 8 (8 lecture)
Develop analytical thinking, decision making and problem solving
techniques. Apply judgment and insight to break problems into
component parts and apply deductive reasoning.

PRO 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

PRO 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

PRO 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

PRO 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

PRO 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

PRO 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

PRO 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
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

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

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.

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

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

Learn and apply the communication, delegation and motivational skills needed to be an effective manager or supervisory. Course restricted to 98 repetitions

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

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
PRO 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

PRO NC067 Hi Impact Presentations and Proposals for the Workplace (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

PRO NC13 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

PRO NC39 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

PRO NC68 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
**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 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 B: Social/Behv Science
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU Transferable, UC Transferable

UC Transfer Limit: PSY 100, 100H and 120 combined: maximum credit, one course.

C-ID: PSY 110.

**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 B: Social/Behv Science
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU Transferable, UC Transferable

UC Transfer Limit: PSY 100, 100H and 120 combined: maximum credit, one course.

C-ID: PSY 110.

**PSY 100N Supplemental Instruction In General Psychology (1 Unit)**
Corequisites: PSY 100.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 18 (18 lecture)

Supplemental instruction designed to develop greater understanding of principles of psychology, human behavior and mental processes.

Transfer Information: CSU 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 B: Social/Behv Science
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

C-ID: PSY 150.

**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 B: Social/Behv Science
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 B: Social/Behv Science
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable, UC Transferable

UC Transfer Limit: PSY 100, 100H and 120 combined: maximum credit, one course.
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 B: Social/Behv Science  
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU Transferable, UC Transferable
UC Transfer Limit: PSY 125 and HE 111 combined; Maximum credit, once course.
C-ID: PSY 130

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 B: Social/Behv Science  
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 B: Social/Behv Science, SBCCGE C: Humanities  
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 B: Social/Behv Science  
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 PSY 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 B: Social/Behv Science  
Transfer Information: CSUGE Area D9, CSUGE Area E, IGETC Area 4I, CSU Transferable, UC Transferable
C-ID: PSY 180

PSY 150 Statistics for the Behavioral Sciences (4 Units)  
Prerequisites: MATH 107 or Qualifying score on SBCC placement exam.
Course Advisories: PSY 100 or PSY 100H.
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 D2: Comm/Analytic Think, SBCCGE E1: Mathematics  
Transfer Information: CSUGE Area B4, IGETC Area 2A, CSU Transferable, UC Transferable
UC Transfer Limit: PSY 150 combined with MATH 117 or 117H; maximum credit, one course.
C-ID: MATH 110, SOCI 125

PSY 170 Abnormal Psychology (4 Units)  
Prerequisites: PSY 100 or PSY 100H.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 72 (72 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 B: Social/Behv Science  
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable, UC Transferable
C-ID: PSY 120

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 B: Social/Behv Science  
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable, UC Transferable
C-ID: PSY 170.
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. Course 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 B: Social/Behv Science
Transfer Information: CSUGE Area D9, IGETC Area 4I, CSU Transferable, UC Transferable
C-ID: PSY 205B.

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, UC Transferable
UC Transfer Limit: PSYCH 299 computed as Independent Study; see counselor.

Noncredit Courses
PSY NC009 Rock-Folk Music and the Consciousness Movement: For Older Adults (0 Units)
Hours: 10 (10 lecture)
This class explores how ‘60s music is a reflection of the collective psyche, with timeless themes that reflect the world we live in today. Students exercise memory, practice effective communication skills, and develop self-awareness as they reminisce about life experiences. Topics include depth psychological and imaginal approaches, archetypal perspectives of musical lyrics, self-understanding through interactions with music, music as a reflection of cultural history, and the relevance of psychological trends of the ‘60s. Course restricted to 98 repetitions

PSY NC047 World of Interest: For Older Adults (0 Units)
Hours: 12 (12 lecture)
Older adults 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

PSY NC082 Travels and Explorations: For Older Adults (0 Units)
Hours: 12 (12 lecture)
This course allows older adults to 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
RADIOLOGIC AND IMAGING SCIENCES (RT)

Credit Courses
RT 100 Radiography and Health Care (2 Units)
Hours: 36 (36 lecture)
Introduction, overview and orientation for those interested in exploring radiographic 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.
Limitations on Enrollment: Passing criminal background check, pass a physical exam, valid CPR card.
Hours: 54 (36 lecture, 18 lab)
Orientation to Radiography, providing students with entry-level information and skills to begin practice in an X-ray department. Topics include ethics, darkroom techniques, introduction to fluoroscopy, lab practice, basic radiation protection and patient care. Course concludes with a one-day orientation to an X-ray department.
Transfer Information: CSU Transferable

RT 102 Fundamentals Of Radiographic Positioning And Procedures I (4 Units)
Prerequisites: RT 101.
Hours: 108 (54 lecture, 54 lab)
Precise and detailed information on routine radiographic procedures of the chest, abdomen, appendicular skeleton and vertebral column. Portable and traumatic exams also included.
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 digital radiographs and radiation protection.
Transfer Information: CSU Transferable

RT 111 Advanced Principles Of Exposure (3 Units)
Prerequisites: RT 109.
Hours: 54 (54 lecture)
Principles of x-ray production are examined, with the effect of image production with film and digital imagine systems. Principles of digital system quality control and maintenance are also discussed.
Transfer Information: CSU Transferable

RT 119 Radiological Technology (3 Units)
Limitations on Enrollment: Concurrent enrollment in the Radiologic Technology program or employment in the field.
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 will be 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)
Hours: 62 (54 lecture)
Provides the student with the concepts of patient care. Routine and emergency patient care procedures are described. Also included are topics on venipuncture and contrast media/medication administration. The role of the radiographer in patient care administration identified. Aspects of death and dying reviewed.
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 (5.8 Units)
Prerequisites: RT 101.
Hours: 312 (312 lab)
Introduction to clinical settings and exposure to departmental organization; patient flow; CR and PACs; observation of techniques employed; and policies and procedures of clinical cases. The student performs basic radiographic procedures under direct supervision.
Transfer Information: CSU Transferable

RT 191A Radiographic Technology Clinical Practicum 1A (2.1 Units)
Hours: 112 (112 lab)
Designed to give each advanced student the opportunity to improve on clinical skills, as well as accumulate the clinical hours required by the California Department of Health.
Transfer Information: CSU Transferable

RT 192 Radiographic Technology Clinical Practicum 2 (5 Units)
Prerequisites: RT 191.
Hours: 272 (272 lab)
Second in a series of clinical education courses. Student is assigned 17 hours per week at a clinical education center. 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 103.
Hours: 54 (54 lecture)
Provides the advanced student with a survey of advanced imaging and an introduction to other specializations in the radiation sciences. It concludes with an introduction to special invasive procedures, especially those dealing with the heart/vascular area.
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)
Hours: 54 (54 lecture)
Fluoroscopic imaging systems, digital and conventional, image intensification, radiation safety regulations, and quality control methods will be discussed. This course is approved by the DPHS and prepares students for the California State Fluoroscopy Examination. Radiation Biology, dose-effect relationships and long-term somatic and genetic effects of radiation exposure are discussed.
Transfer Information: CSU Transferable

RT 230 Radiographic Pathology (3 Units)
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 expected to identify, evaluate and present common pathologic conditions throughout the course.
Transfer Information: CSU Transferable

RT 250 Principles And Applications Of Cross-Sectional Anatomy In Imaging (2 Units)
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.
Transfer Information: CSU Transferable

RT 251 Principles Of Mammography And Procedures (2 Units)
Hours: 36 (36 lecture)
Prepares the radiographer for state and national certification in mammography. Content covers the anatomy and physiology of the breast, positioning, radiation biology and protection, and QA and QC regulations for mammography equipment.
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 (6.7 Units)
Prerequisites: RT 192.
Hours: 360 (360 lab)
Third in a series of clinical experiences requiring 40 hours per week for nine weeks in the clinical setting. This rotation allows the student 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 (7.1 Units)
Prerequisites: RT 293.
Hours: 384 (384 lab)
Fourth 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 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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 1 or MATH 41.
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.
Skills Advisories: MATH 1 and eligibility for ENG 110 or ENG 110H.
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; 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 1 or MATH 41.
Hours: 54 (54 lecture)
Analysis of money markets, interest rates and real estate financing. 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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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
RECREATION (REC)

Credit Courses

REC 215 Outdoor Education (2.3 Units)
Skills Advisories: Eligibility for ENG 98 or 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
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 B: Social/Behv Science
Transfer Information: CSUGE Area D7, IGETC Area 4G, CSU Transferable, UC Transferable
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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable
UC Transfer Limit: SOC 101 and 101H combined: maximum credit, one course.
C-ID: SOCI 110.

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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable
UC Transfer Limit: SOC 101 and 101H combined: maximum credit, one course.
C-ID: SOCI 110.

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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D0, CSUGE Area E, IGETC Area 4J, CSU Transferable, UC Transferable
C-ID: SOCI 130.

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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable
C-ID: PSY 170.

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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, CSUGE Area E, IGETC Area 4J, CSU Transferable, UC Transferable
C-ID: SOCI 160.

SOC 107 Racism in America (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable
C-ID: SOCI 150.

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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable
C-ID: SOCI 115.
SOC 110 Culture and Society Through Cartoons (3 Units)
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
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 B: Social/Behv Science, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area D0, CSUGE Area E, IGETC Area 4J, CSU Transferable, UC Transferable
C-ID: SOCI 140.

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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC 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 B: Social/Behv Science
Transfer Information: CSUGE Area D0, IGETC Area 4J, CSU Transferable, UC Transferable

SOC 120 Introduction to Social Work (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to field of social work. Covers historical development of the profession. Introduces theoretical perspectives and overview of contemporary practices in the field. Emphasis on roles, training in methods and skills, delivery of services, values and ethics of the profession.
Transfer Information: CSU Transferable

SOC 125 Introduction to Statistics in Sociology (4 Units)
Prerequisites: MATH 107 or Qualifying score on SBCC placement exam.
Hours: 72 (72 lecture)
An introduction to the basic statistical methods and analyses commonly used in sociological research. Topics include descriptive and inferential statistics, usually included in levels and types of measurement; measures of central tendency and dispersion; normal, t, and chi-squared distributions; probability and hypothesis testing; correlation and regression. Applications of statistical software to sociological.
Transfer Information: CSU Transferable, UC 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, UC Transferable
UC Transfer Limit: SOC 299 computed as Independent Study; see counselor.
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.

SPAN 101 Beginning Spanish I (5 Units)
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 6A, CSU Transferable, UC Transferable
C-ID: SPAN 100.

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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, UC Transferable, CSU 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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, UC Transferable, CSU Transferable
C-ID: SPAN 110.

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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, UC Transferable, CSU Transferable
C-ID: SPAN 200.

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 diacritics 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 114 Beginning Occupational Spanish (2 Units)
Hours: 36 (36 lecture)
Emphasis on commonly used structures, communicative functions and vocabulary of beginning Spanish, as spoken in the workplace.

SPAN 115 Intermediate Occupational Spanish (2 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Study of intermediate sentence structures. The indicative, subjunctive and imperative moods; present, past and future tenses. Emphasis on commonly used structures, communicative functions and vocabulary for everyday use in the workplace.

SPAN 116 Intermediate Spanish for the Healthcare Professional (2 Units)
Prerequisites: SPAN 102 or qualifying score on SBCC SoML placement exam.
Hours: 36 (36 lecture, 0 lab)
Designed for the intermediate-level Spanish learner in the medical health profession who needs to effectively communicate with Spanish-speaking clients and co-workers. Topics include common diseases, anatomy, and protocol for obtaining a medical history. An in-depth look at the patient cultural belief systems as related to illness and health.
Transfer Information: CSU Transferable

SPAN 117 High Intermediate Occupational Spanish (2 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 36 (36 lecture)
Study of high intermediate sentence structures. Review and reinforcement of the indicative and imperative moods, and introduction of the subjunctive moods; present, past and future tenses. Emphasis on commonly used structures, communicative functions and vocabulary for everyday use in the workplace.

SPAN 120 Beginning Spanish Conversation (2 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: 36 (36 lecture)
Oral expression in Spanish at the beginning level.
Transfer Information: CSU Transferable

SPAN 129 Bilingual Conversation Exchange (2 Units)
Course Advisories: SPAN 101 or SPAN 101CD, or ESL 40 and ESL 41 and ESL 42.
Hours: 36 (36 lecture)
Interactive course for Spanish and ESL students to build conversation skills and foster cultural understanding.
Transfer Information: CSU Transferable
SPAN 130 Intermediate Spanish Conversation I (3 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: 54 (54 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)
Prerequisites: SPAN 131B 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 132 Introduction to Literary Analysis (3 Units)
Prerequisites: SPAN 104 or SPAN 147 or qualifying score on SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

SPAN 133 Survey of Spanish Literature (3 Units)
Prerequisites: SPAN 104 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: 54 (54 lecture)
Designed for the student who wishes to be introduced to Spanish Literature and improve Spanish reading and writing skills. Focus on readings, discussion and analysis of literary works by main Spanish authors, from the Middle Ages to the present. Prepares student for Spanish upper division courses. Class is taught in Spanish.
SBCC General Education: SBCCGE C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

SPAN 134 Survey of Latin American Literature (3 Units)
Prerequisites: SPAN 104 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: 54 (54 lecture)
Designed for the student who wishes to be introduced to Hispanic American literature and improve Spanish reading and writing skills. Focus on readings, discussion and analysis of literary works by main Hispanic American authors, from the Conquest to the present. Prepares student for Spanish upper division courses. Class taught in Spanish.
SBCC General Education: SBCCGE C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

SPAN 135 Latin American Culture (4 Units)
Prerequisites: SPAN 104 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)
Culture course that allows the student to study and research topics of special importance to the Hispanic world. Written and oral presentations are required. Class taught in Spanish.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable

SPAN 136 Contemporary Cultures Of Central America (3 Units)
Prerequisites: SPAN 104 or four years of high school Spanish or qualifying score on the SBCC SoML placement exam.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Examines Hispanic cultural dimensions, allowing students to study topics of importance to the Central American region. Class taught in English.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D3, IGETC Area 4C, CSU Transferable, UC Transferable

SPAN 137 Contemporary Culture Of South America (4 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 72 (72 lecture)
South American culture exploration that allows the student to study and research topics of special importance to this region of the Hispanic world. Written and oral presentations are required. Class taught in English.
SBCC General Education: SBCCGE B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D7, IGETC Area 4G, 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 B: Social/Behv Science, SBCCGE C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, CSUGE Area D7, IGETC Area 3B, CSU Transferable, UC Transferable
SPAN 140 Intermediate Spanish Conversation II (3 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.
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.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
C-ID: SPAN 220.

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.
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 C: Humanities, SBCCGE E5: Mult Cu/Gendr Studi
Transfer Information: CSUGE Area C2, IGETC Area 3B, CSU Transferable, UC Transferable
C-ID: SPAN 230.

SPAN 150 Advanced Spanish (4 Units)
Prerequisites: SPAN 104 or 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.
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 C: Humanities
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.
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 C: Humanities
Transfer Information: CSUGE Area C2, IGETC Area 3B, IGETC Area 6A, CSU Transferable, UC Transferable

SPAN 170 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

SPAN 200 Study In Mexico, Spain or Latin America (4 Units)
Course Advisories: ENG 98 with a minimum grade of "B".
Skills Advisories: Eligibility for ENG 110 or 110H.
Hours: 72 (72 lecture)
An intensive Spanish language program stressing oral ability, pronunciation, grammar and culture. This course is a variable unit session taught in Mexico, Spain or in Latin America.
Transfer Information: CSUGE Area C2, CSU Transferable

SPAN 290 Work Experience In Spanish (1-4 Units)
Skills Advisories: Eligibility for English 100 or 110H.
Hours: 300 (300 lab)
Work experience on a job or project where the use of Spanish is required and critical to its completion. Student increases and refines Spanish oral, aural and written skills, and learns and compares cultural characteristics of the Spanish-speaking people living in the United States, as applied to the job or project. Course restricted to 3 repetitions
Transfer Information: CSU Transferable

SPAN 299 Independent Study In Spanish (1-4 Units)
Limitations on Enrollment: Eight units in Spanish courses completed with 3.0 or higher GPA; minimum of 12 units of course work completed at SBCC with a GPA of at least 2.50.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 192 (192 lab)
Instead of lectures, 1-4 hours of conference with faculty member, according to number of units taken. For complete information, see "Independent Study" in the Catalog Index.
Transfer Information: CSU Transferable, UC Transferable
UC Transfer Limit: computed as Independent Study; see counselor.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
C-ID: THTR 111, THTR 112.

TA 104 Script Analysis (3 Units)
Skills Advisories: Eligibility for ENG 110 or 110H.
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
C-ID: THTR 114.

TA 106 Development of Drama - Musical Theatre (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
C-ID: THTR 110.

TA 107 Development Of Drama: Greek To Renaissance (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
C-ID: THTR 113.

TA 108 Development Of Drama II: Restoration To Contemporary (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
C-ID: THTR 112.

TA 109 Improvisation (3 Units)
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: THTR 151.

TA 112 Intermediate Acting A (3 Units)
Course Advisories: TA 111.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Emphasizes "work on oneself," which includes learning to listen; developmental sensory awareness; enhancing concentration and observation; performing meaningful activities; exploring emotional preparation techniques; and defining relationships. By engaging in scene work, students develop fundamental performance skills.
Transfer Information: CSU Transferable, UC Transferable
C-ID: THTR 152.

TA 114 Voice And Diction (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Introduction to the mechanics of voice production and the various elements of speech: 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: Readers' Theatre (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 90 (36 lecture, 54 lab)
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 C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: THTR 153.

TA 120 Understanding Scenography (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 C: Humanities
Transfer Information: CSUGE Area C1, IGETC Area 3A, CSU Transferable, UC Transferable
C-ID: THTR 172.
TA 121 Introduction To Stagecraft (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103 and proficiency in MATH 104, 107 or 111.
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
C-ID: THTR 171.

TA 122 Theatre Graphics (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103 and proficiency in MATH 104 or 107 or 111.
Hours: 90 (54 lecture, 36 lab)
Exploration of graphic techniques used to develop and communicate scenic and lighting designs for execution on stage. Includes freehand sketching, mechanical drawing, perspective and color rendering, computer-aided drafting and model building techniques.
Transfer Information: CSU Transferable, UC Transferable

TA 123 Stage Lighting (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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
C-ID: THTR 173.

TA 131 Introduction To Costume Crafts (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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: millinery, footwear, mask, armor, jewelry and others.
Transfer Information: CSU Transferable, UC Transferable

TA 134 Introduction To Costume Design (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103 and proficiency in MATH 1 or MATH 41.
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: CSU Transferable, UC Transferable

TA 136 Theatrical Makeup Techniques (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
Investigate the use of makeup in contributing to the effectiveness of 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: SBCGE C: Humanities
Transfer Information: CSU Transferable, UC Transferable
C-ID: THTR 175.

TA 141 Theatre Workshop (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: THTR 191.

TA 142 Theatre Workshop (1 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 (1.5 Unit)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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
C-ID: THTR 191.

TA 144 Theatre Workshop (2 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Transfer Information: CSU Transferable, UC Transferable

TA 145A Stage Electrician (0.5 Units)
Skills Advisories: Eligibility for ENG 98.
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)
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)
Skills Advisories: Eligibility for ENG 98.
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. Enrollment by Instructor assignment. Transfer Information: CSU Transferable, UC Transferable

TA 145D Assistant to the Lighting Designer (2 Units)
Skills Advisories: Eligibility for ENG 98.
Hours: 108 (108 lab)
Provides study and laboratory experience for the student in the 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)
Skills Advisories: Eligibility for ENG 98.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning theatrical technician in the responsibilities and skills necessary to function as a stage carpenter on the deck crew of a realized production. Transfer Information: CSU Transferable, UC Transferable

TA 146B Fly and Scenery Systems Operator (1 Unit)
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 98.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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)
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 98.
Hours: 81 (81 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 149D Production Stage Manager (2 Units)
Limitations on Enrollment: Auditions for Public Performance.
Skills Advisories: Eligibility for ENG 98.
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 Audio Technician in Production (0.5 Units)
Limitations on Enrollment: Auditions for Public Performance.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning 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 150B Audio Mixing Board Operator in Production (1 Unit)
Skills Advisories: Eligibility for ENG 98.
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 Performance.
Skills Advisories: Eligibility for ENG 98.
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.
Skills Advisories: Eligibility for ENG 98.
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 (0.5 Units)
Limitations on Enrollment: Auditions for Public Performance.
Skills Advisories: Eligibility for ENG 98.
Hours: 27 (27 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 152 Theatre Production (1 Unit)
Skills Advisories: Eligibility for ENG 98.
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 C-ID: THTR 192.

TA 153 Theatre Production (1.5 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 81 (81 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 C-ID: THTR 192.

TA 154 Theatre Production (2 Units)
Skills Advisories: Eligibility for ENG 98.
Hours: 108 (108 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 C-ID: THTR 192.

TA 155A Costume Dresser In Production (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the costume technician in the responsibilities and skills necessary to successfully serve as a costume dresser in the realization of a production. Enrollment by Instructor assignment. Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 192.

TA 155B Specialty Costume Dresser in Production (1 Unit)
Limitations on Enrollment: Auditions for Public Performance.
Skills Advisories: Eligibility for ENG 98.
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 C-ID: THTR 192.

TA 155C Costume Crew Technician in Production (1.5 Unit)
Skills Advisories: Eligibility for ENG 98.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the costume technician 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 C-ID: THTR 192.

TA 155D Costume Crew Head in Production (2 Units)
Limitations on 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 C-ID: THTR 192.

TA 156A Production Make-up Assistant (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning theatrical make-up artist in the realization of a production. Enrollment by Instructor assignment. Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 192.

TA 156B Make-up and Hair Assistant in Production (1 Unit)
Skills Advisories: Eligibility for ENG 98.
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 C-ID: THTR 192.

TA 156C Theatrical Make-up, Hair and Wig Technician in Production (1.5 Unit)
Limitations on Enrollment: Auditions for public performances.
Skills Advisories: Eligibility for ENG 98.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the beginning technician in the responsibilities and skills necessary to successfully serve as a costume dresser in the realization of a production. Enrollment by Instructor assignment. Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 192.

TA 156D Intermediate Theatrical Make-up Techniques (3 Units)
Skills Advisories: Eligibility for ENG 98 and ENG 103 and proficiency in MATH 1 or MATH 41.
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 C-ID: THTR 192.

TA 157A Intermediate Scenic Technician (1 Unit)
Skills Advisories: Eligibility for ENG 98 and proficiency in MATH 1 or MATH 41.
Hours: 48 (48 lab)
Provides study and laboratory exploration for the scenic technician in the responsibilities and skills necessary to successfully serve as a scenic technician in the realization of a production. Enrollment by Instructor assignment. Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 192.

TA 157B Scenic Technician (2 Units)
Skills Advisories: Eligibility for ENG 98.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the scenic technician in the responsibilities and skills necessary to successfully serve as a scenic technician in the realization of a production. Enrollment by Instructor assignment. Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 192.

TA 158A Scenic Studio Carpenter/Painter (0.5 Units)
Limitations on Enrollment: Auditions for public performances.
Skills Advisories: Eligibility for ENG 98.
Hours: 27 (27 lab)
Provides study and laboratory exploration for the beginning technician in the responsibilities and skills necessary to successfully serve as a scenic studio carpenter/painter in the realization of a production. Enrollment by Instructor assignment. Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 192.
TA 158C Scenic Studio Project Carpenter/Painter (1.5 Units)
Limitations on Enrollment: Auditions for public performances.
Skills Advisories: Eligibility for ENG 98.
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)
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 54 (54 lecture)
Survey of Chicano and Latino theatre, 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 C: Humanities, SBCCGE E5: Mult Cu/ Gendr Studi
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.
Skills Advisories: Eligibility for ENG 98.
Hours: 240 (240 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)
Corequisites: TA 112.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 213.
Skills Advisories: Eligibility for ENG98 and 103.
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: TA 121, 123, 131.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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: CSU Transferable, UC Transferable

TA 217A Movement for the Actor (3 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 multi-camera setups, both in studio and on location.
Transfer Information: CSU Transferable, UC Transferable

TA 227 Scenic Design (3 Units)
Skills Advisories: MATH 104 or 107 or 111, and eligibility for ENG 98 and 103.
Course Advisories: TA 111 or TA 112 or TA 213 or FS 101 or FS 101H.
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)
Skills Advisories: Eligibility for ENG 98 and 103.
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.
Skills Advisories: Eligibility for ENG 98 and Eligibility for ENG 103.
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)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Study and laboratory exploration for the beginning actor in the performance of a cameo 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 255D Classical Comedy in Performance (2 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced actor in the performance of a supporting role in a Classical comedy under the direction of a faculty director. By Audition and/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.
Skills Advisories: Eligibility for ENG 98 and 103.
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 C-ID: THTR 191.

TA 256B Contemporary Comedy in Performance (1 Unit)
Limitations on Enrollment: By audition and/or assignment by instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Study and laboratory exploration for the beginning actor in the performance of a cameo role in a contemporary comedy under the direction of a faculty director.
Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 191.

TA 256C Contemporary Comedy in Performance (1.5 Unit)
Limitations on Enrollment: By audition and/or assignment by instructor.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 81 (81 lab)
Provides study and laboratory exploration for the advanced actor in the performance of a supporting role in a contemporary comedy under the direction of a faculty or guest director.
Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 191.

TA 256D Contemporary Comedy in Performance (2 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced actor in the performance of a leading role in a Classical comedy under the direction of a faculty director. By Audition and/or assignment by instructor.
Transfer Information: CSU Transferable, UC Transferable

TA 262A Modern American Drama in Performance (0.5 Units)
Limitations on Enrollment: By audition and/or assignment by instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 under the direction of a faculty director.
Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 191.

TA 262C Modern American Drama in Performance (1.5 Unit)
Limitations on Enrollment: By audition and/or assignment by instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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.
Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 191.

TA 262D Modern American Drama in Performance (2 Units)
Limitations on Enrollment: By audition and/or assignment by instructor.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced actor in the performance of a cameo role in a classical drama under the direction of a faculty director.
Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 191.

TA 263A Classical Drama in Performance (0.5 Units)
Skills Advisories: Eligibility for ENG 98 and 103.
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.
Transfer Information: CSU Transferable, UC Transferable C-ID: THTR 191.

TA 263B Classical Drama in Performance (1 Unit)
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 54 (54 lab)
Provides study and laboratory exploration for the intermediate actor in the performance of a cameo role in a classical drama under the direction of a faculty director.
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 Provides study and laboratory exploration for the advanced-Intermediate actor in the performance of a supporting role in a classical drama.
Hours: 81 (81 lab)
F, S - CSU/UC
Transfer Information: CSU Transferable, UC Transferable
TA 263D Classical Drama In Performance (2 Units)
Limitations on Enrollment: Auditions for Public Performance.
Skills Advisories: Eligibility for ENG 98 and 103.
Hours: 108 (108 lab)
Provides study and laboratory exploration for the advanced actor in the
performance of a leading role in a classical drama.
Transfer Information: CSU Transferable, UC Transferable

TA 267A Acting Styles: Shakespeare (3 Units)
Prerequisites: TA 112.
Skills Advisories: Eligibility for ENG 98 or ENG 103.
Hours: 90 (36 lecture, 54 lab)
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.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
Hours: 90 (36 lecture, 54 lab)
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)
Corequisites: TA 112.
Skills Advisories: Eligibility for ENG 98 and ENG 103.
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 299 Independent Study In Theatre Arts (1-4 Units)
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
TUTORING (TUT)

Credit Courses

TUT 199 Tutor Training (0.75, 1 Units)
Limitations on Enrollment: Must have faculty sponsorship Two hours per week for five weeks, totaling 10 hours per semester, and 15 to 25 lab hours per semester.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 35 (10 lecture, 25 lab)
Requires faculty sponsorship of tutors so they are linked to classroom instruction. Tutors receive instruction in learning styles, communication skills, problem-solving strategies, teaching strategies, student services (to make appropriate referrals), campus policies, etc. Course is certified by the California Reading and Learning Association, which is recognized internationally. Graded Pass/No Pass.
Transfer Information: CSU Transferable
Credit Courses

VN 130 Assessment Of Clinical Competence For Vocational Nursing (1.5 Unit)
Prerequisites: VN 131 and VN 133.
Hours: 80 (80 lab)
A clinical laboratory course.

VN 131 Foundation For Nursing Practice (5 Units)
Prerequisites: CNA 101 or CNA 105 and CNA 106.
Corequisites: HE 201.
Hours: 90 (90 lecture)
Fundamental principles of nursing and concepts related to care.
Nursing process presented as a problem-solving method that provides a framework for delivery of health care.

VN 132 Principles of Nutrition and Care of Patient with Gastrointestinal Problems (3 Units)
Prerequisites: BMS 100 or BMS 107 and BMS 108.
Hours: 54 (54 lecture)
Principles of nutrition and the relationship of nutrition to health.
Focuses on the individual's nursing care needs in the areas of functional, physiological, social and psychological integrity, and environmental influences as they relate to the gastrointestinal system.

VN 133 Foundation for Nursing Practice Lab (5.5 Units)
Limitations on Enrollment: CPR and must pass physical examination.
Hours: 297 (297 lab)
If not a current CNA, must pass background check per facility policy.
Introductory laboratory and clinical course on basic fundamentals of nursing practice applied to adult and elderly patients requiring medical/surgical nursing care. The nursing process is the problem-solving method utilized for care planning and implementation in the clinical setting.

VN 134 Principles Of Administration Of Therapeutic Agents (2 Units)
Corequisites: VN 131 and VN 133.
Hours: 36 (36 lecture)
Introduces the principles of medication administration. Basic techniques and computations used in the administration of medications, including nursing considerations that pertain to the safe administration of medication. Completion of this course prepares the Vocational Nursing student to safely administer medications to patients, under the supervision of the nursing instructor.

VN 135 Understanding Pharmacology (2 Units)
Corequisites: VN 137.
Hours: 36 (36 lecture)
Study of the drugs most frequently prescribed for the hospitalized patient, with emphasis on nursing considerations that pertain to the administration of these drugs.

VN 136 Genitourinary, Integumentary and Endocrine Disorders (3.5 Units)
Prerequisites: VN 133.
Corequisites: VN 137.
Hours: 63 (63 lecture)
Focuses on the individual's nursing care needs in areas of functional, physiological, social and psychological integrity and environmental influences, as they relate to the genitourinary, endocrine and integumentary systems. The nursing process is utilized to apply theoretical concepts to patient care.

VN 137 Basic Medical-Surgical Nursing Lab (3.9 Units)
Limitations on Enrollment: Must be enrolled in Vocational Nursing Program.
Hours: 211 (211 lab)
Health and Safety regulations. Must have a valid CPR card, must pass physical examination. If not a current CNA, must pass the background check required by the clinical facilities in their SBCC contracts. Clinical laboratory course builds on the basics of the first semester as students perform more advanced skills, while providing nursing care to adult and elderly patients in a variety of health care facilities.

VN 138 Nursing Process Applied to Childbearing Family (1.5 Unit)
Hours: 27 (27 lecture)
Maternal, newborn and family nursing care needs in areas of functional, physiological, social and psychological integrity, and environmental influences, as they relate to human reproduction. The nursing process is utilized to apply theoretical concepts to patient care.

VN 139 Nursing Process Applied To Care Of Children (2 Units)
Corequisites: VN 140.
Hours: 36 (36 lecture)
Normal growth and development patterns of the growing child and family in health and illness. Nursing needs in areas of functional, physiological, social and psychological integrity, and environmental influences. The nursing process is utilized to apply theoretical concepts to patient care.

VN 140 Maternal and Child Nursing Lab (1.9 Unit)
Corequisites: VN 138.
Limitations on Enrollment: Health and Safety regulations.
Hours: 103 (103 lab)
Students must have a valid CPR card, must pass physical examination. If not a current CNA, must pass the background check required by the clinical facilities in their SBCC contracts. Provides an opportunity for students to apply theory concepts related to the childbearing family and the growing child to clinical laboratory experiences. The nursing process is the problem-solving method utilized for care planning and implementation in the clinical setting.

VN 141 Cardiovascular and Respiratory Problems (3.5 Units)
Prerequisites: VN 137.
Corequisites: VN 145.
Hours: 63 (63 lecture)
Focuses on the individual's nursing care needs in areas of functional, physiological, social and psychological integrity and environmental influences, as they relate to the cardiovascular and respiratory systems. The nursing process is utilized to apply theoretical concepts to patient care.

VN 142 Perception And Mobility Problems (4 Units)
Prerequisites: VN 137.
Corequisites: VN 145.
Hours: 72 (72 lecture)
Focuses on the individual's nursing care needs in areas of functional, physiological, social and psychological integrity, as well as environmental influences as they relate to perception, coordination and mobility. The nursing process is utilized to apply theoretical concepts to patient care.

VN 144 Preparation For Vocational Nursing Practice (1.5 Unit)
Prerequisites: VN 137.
Corequisites: VN 145.
Hours: 30 (30 lecture)
Introduction to the principles of leadership and supervision as they apply to the vocational nurse. Focuses on the role of the vocational nurse as a member of the healthcare team, and supervisor of other vocational nurses and unlicensed health caregivers.
VN 145 Integrated Medical-Surgical Nursing Lab (5.75 Units)
Corequisites: VN 141 and VN 142 and VN 144 and VN 146.
Hours: 310.5 (310.5 lab)
Clinical laboratory course builds on experiences of the second semester as students develop leadership skills and provide nursing care to adult and elderly patients in a variety of settings. The nursing process is the problem-solving method utilized for care planning, implementation and leadership activities in the clinical setting.

VN 146 Introduction to Mental Health Nursing (1 Unit)
Limitations on Enrollment: Admission to Program.
Hours: 18 (18 lecture)
Designed to foster understanding and critical thinking in relation to legal, ethical, and professional aspects of psychiatric-mental health care. Nursing approaches to the assessment and collaborative management of people with mental health disorders are outlined. Introduction to evidence-based psychological and psychosocial interventions used in the management of mental illness.

VN 150 Principles and Techniques of Intravenous Therapy (1.5 Unit)
Hours: 33 (27 lecture, 6 lab)
LVN participants receive state-recognized certificates in IV Therapy. Includes rationale and legal aspects for intravenous therapy; relevant anatomy and physiology; principles and techniques for intravenous, blood or blood component infusions; and the care and monitoring of the patient undergoing intravenous therapy.

VN 160 Reading and Literacy Strategies for Nursing (3 Units)
Hours: 54 (54 lecture)
Designed to assist nursing students further develop reading, communication and study strategies that will be needed in the Licensed Vocational Nursing (LVN) program. Intended as a bridge between the CNA and LVN programs, the course focuses on the academic skills needed by pre-nursing students.
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: WTRSC 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: WTRSC 100 or WTRSC 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 107 Water and Wastewater Calculations (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 108 Training And Management For Water And Wastewater Operators (3 Units)
Course Advisories: WTRSC 100 or WTRSC 110.
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 109 Industrial Water Treatment Plant Operators (3 Units)
Course Advisories: WTRSC 100 or WTRSC 110.
Hours: 54 (54 lecture)
Study of advanced techniques of operating a wastewater treatment plant, including process applications, regulatory compliance, environmental issues, costs and multistep problem-solving.

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)
Described 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: WTRSC 100 or WTRSC 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 115 Water And Wastewater Hydraulics (3 Units)
Course Advisories: WTRSC 100 or WTRSC 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 116 Water And Wastewater Management/Supervision (3 Units)
Course Advisories: WTRSC 100 or WTRSC 110.
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.
WELLNESS (WELL)

Noncredit Courses

WELL 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
Transfer Information: Basic Skills/not Precollegiate

WELL 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
Transfer Information: Basic Skills/not Precollegiate
WORK EXPERIENCE (WEXP)

Credit Courses

WEXP 290A General Work Experience: Career Planning Skills (1-3 Units)
Hours: 225 (225 lab)
Provides students with opportunities to develop marketable skills in preparation for employment or advancement within a career. Designed for students interested in exploring various career and education options and developing career and education planning skill. Appropriate level learning objectives are established by the student and the employer.
Transfer Information: CSU Transferable

WEXP 290B General Work Experience: Career Advancement Skills (1-3 Units)
Hours: 225 (225 lab)
Provides students with opportunities to develop marketable skills in preparation for employment or advancement within a career. It is designed for students interested in improving their résumé writing, interviewing and job search skills. Appropriate level learning objectives are established by the student and the employer.
Transfer Information: CSU Transferable

WEXP 290C General Work Experience: Workplace Success Skills (1-3 Units)
Hours: 225 (225 lab)
Provides students with opportunities to develop marketable skills in preparation for employment or advancement within a career. It is designed for students interested in improving their workplace success skills. Appropriate level learning objectives are established by the student and the employer.
Transfer Information: CSU Transferable

WEXP 291 International Experience/Internship (1-6 Units)
Hours: 450 (450 lab)
Limitation on enrollment: Permission to work abroad. Consists of 75-450 hours of work (1-6 units) in international (foreign country) employment, plus 2 hours of individual student/faculty conference. Assistance may be provided in obtaining a foreign work permit. Supervised employment of students with the intent of creating student awareness of international work opportunities, assisting them to acquire desirable work habits in foreign job settings. Focus also includes developing an understanding of the role of international business, the foreign country's work habits, economy, labor laws and cultural/political factors that affect employment. Special attention paid to how work in the foreign country is similar to and different from work in the United States. Positions held need not be related to major. 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.
Transfer Information: CSU Transferable
ZOOLOGY (ZOOL)

Credit Courses

ZOOL 110 Animal Physiology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H and proficiency in MATH 104 or 107 or 111.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
SBCC General Education: SBCCGE A: Natural Sci Lecture
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable

ZOOL 123 Animal Diversity Laboratory (1 Unit)
Corequisites: ZOOL 122.
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lab)
Laboratory and field investigations of animals. Animal diversity, anatomy and physiology, principles of ecology and evolution. Satisfies SBCC General Education requirement in Natural Sciences when combined with ZOOL 122.
SBCC General Education: SBCCGE A: Natural Sci Lab
Transfer Information: CSUGE Area B2, IGETC Area 5C, CSU Transferable, UC Transferable

ZOOL 124 Insect Biology (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
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

ZOOL 140 Animal Behavior (3 Units)
Skills Advisories: Eligibility for ENG 110 or ENG 110H.
Hours: 54 (54 lecture)
Introduction to animal behavior; methods and results of studies of invertebrate and vertebrate behavior; foraging strategies, social competition, sexual selection, mating systems, cooperation and social organization.
Transfer Information: CSUGE Area B2, IGETC Area 5B, CSU Transferable, UC Transferable
FACULTY AND ADMINISTRATORS

Faculty and Administrators, 2017-2018

NOTE: Year following name indicates first year of affiliation with Santa Barbara City College or its Noncredit Educational Programs.

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