COMPUTER INFORMATION SYSTEMS, ASSOCIATE OF SCIENCE DEGREE (AS)

Overview

Computer Information Systems (CIS) provides students with a broad background in the application of computers to the emerging needs of business and industry. CIS courses prepare students for entry-level positions in computer programming, systems analysis, computer operations and network management, information systems management, and sales and technical information positions.

Requirements

Associate Degree Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. One of the following three General Education options:
    a. OPTION 1: A minimum of 18 units of SBCC General Education Requirements (https://catalog.sbcc.edu/degrees-certificates-awards/#associatedegreestext) (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F) OR
    b. OPTION 2: IGETC (https://catalog.sbcc.edu/transfer-curricula/#igetctext) Pattern OR
    c. OPTION 3: CSU GE Breadth (https://catalog.sbcc.edu/transfer-curricula/#csugebtext) Pattern
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A minimum of 12 units through SBCC.

Code	Title	Units
Department Requirements		
CIS 101	Introduction to Computers and Information Systems	4
CIS 107	Introduction to Database Systems	4
CIS 119	Introduction To Programming Using Visual Basic	4
CIS/ENG 181	Technical And Professional Writing	3
CIS 201	UNIX/LINUX System Administration	4
or CIS 206	MS Windows Server System Administration	
CIS 218	MS Windows Desktop System Administration	4
CIS 243	Systems Analysis and Design [1]	4
CIS 245	IT Project Management	3-4
or CIS 246	Management of Information Technology	
CNEE 110	Networking Essentials	4

Optional:

CIS 290	Work Experience In Computer Information Systems	
Total Units		**34.00-35.00**

[1] Students who completed CIS 240 are not required to complete CIS 243 Systems Analysis and Design.

Learning Outcomes

1. Describe the role of and explain the value of operating systems, databases, programming and project management in IT.
2. Participate on an IT project team as a programmer, database designer, or system administrator.

Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (https://www.sbcc.edu/counselingcenter/counselingappointments.php).