

COMPUTER INFORMATION SYSTEMS

csit.missioncollege.edu

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Computer Information Systems: Associate in Science (AS)

The Associate in Science in Computer Information System is designed to provide students with knowledge and skills required for a variety of positions in the field of computer information technology. The program includes foundation courses in computer information systems and a wide range of skill-builder courses in current topics of technology.

Program Learning Outcomes:

- Analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Apply software development techniques that use the correct syntax and semantics of a programming language to write the source code to implement and test/debug a specified design.
- Use current techniques, skills, and tools necessary for computing practice.

Career/Transfer Opportunities:

Career opportunities include the following: Computer System Analyst, Software Developer, Computer Programmer and Other Computer Occupations such as Quality Assurance Engineer and Tester.

To earn this degree, students must meet the following requirements:

- Completion of 60 degree applicable units with an overall GPA of 2.0.
- Completion of a minimum of 18 semester units in the major with a grade of C (or P) or better.
- Completion of the AA/AS Graduation Requirements, CSU GE-B or IGETC.

Core Requirements (12 units):

Complete all of the following		Units
CIS 007	Python Programming	4.0
CIS 043	Software Development With Java	4.0
CIS 044	Introduction to Data Structures Using Java	4.0

Elective (8 units):

Complete a minimum of eight additional units from the following. A maximum of two units of WRK 300GW can be applied to these eight units.

		Units
CIS 008	Advanced Python Programming	4.0
CIS 033	Robotics and Embedded Systems	4.0
CIS 037A	Introduction to C Programming	4.0
CIS 039	Introduction to Computer Systems and Assembly Language	4.0
CIS 040	C++ Programming	4.0
CIS 045	Linux Essentials I	4.0
CIS 047	Linux System Administration	4.0
CIS 051	Introduction to Data Analysis	4.0
CIS 055	Database Management Systems I	3.0
CIS 056	Database Management Systems II	3.0
CIS 063	Mobile Apps Programming - Android	4.0
WRK 300GW	General Work Experience	1.0-2.0

Units Required for the Major: 20.0-22.0

Completion of General Education Requirements and electives as needed to reach 60 units.

Total Required Units: 60.0