


PROGRAMS

COMPUTER INFORMATION SYSTEMS - AS

Associate in Science in Computer Information Systems (CIS)

Image:	
Title:	Computer Science
Text:	Learn more.
Link 1:	Computer Science Dept
Link 2:	All CIS Courses
Link 3:	Register via Mission Portal

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

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

Meet the Following Requirements

- a. Completion of 60 degree applicable units with an overall GPA of 2.0.
- b. Completion of a minimum of 18 semester units in the major with a grade of C (or P) or better.
- c. Completion of the Associate in Science graduation requirements.

NOTES:

- Requirements here apply to the current catalog year and are subject to change. Visit DegreeWorks in [My Mission Portal](#) to view requirements based your catalog year.
- Not all classes are offered each semester.

Required Core Courses

Code	Class	Units
CIS 007	Python Programming (3.0 Lecture/1.0 Lab)	4.0
CIS 043	Software Development With Java Programming (3.0 Lecture/1.0 Lab)	4.0
CIS 044	Intro to Data Structures Using Java (3.0 Lecture/1.0 Lab)	4.0

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Plus two or more additional courses from the following (at least 8.0 units with a minimum of 6.0 units of CIS courses and maximum of 2.0 units of work experience):

Code	Class	Units
CIS 008	Advanced Python Programming (3.0 Lecture/1.0 Lab)	4.0
CIS 033	Robotics and Embedded System (3.0 Lecture/1.0 Lab)	4.0
CIS 037A	Introduction to C Programming (3.0 Lecture/1.0 Lab)	4.0
CIS 039	Introduction to Computer Systems and Assembly Language (3.0 Lecture/1.0 Lab)	4.0
CIS 040	C++ Programming (3.0 Lecture/1.0 Lab)	4.0
CIS 045	Linux Essentials I (3.0 Lecture/1.0 Lab)	4.0
CIS 047	Linux System Administration (3.0 Lecture/1.0 Lab)	4.0
CIS 051	Introduction to Data Analysis (3.0 Lecture/1.0 Lab)	4.0
CIS 055	Database Management Systems I (2.5 Lecture/0.5 Lab)	3.0
CIS 056	Database Management Systems II (2.5 Lecture/0.5 Lab)	3.0
CIS 063	Mobile Apps Programming - Android (3.0 Lecture/1.0 Lab)	4.0

	Name	Units
WRK 300GW	Work Experience	1.0-2.0

Required Units for the Major

	Units
Required units for the major	20.0-22.0
plus completion of general education requirements and electives as needed to reach 60 units.	
Total required units	60.0