


PROGRAMS

COMPUTER INFORMATION SYSTEMS - CERTIFICATE

Computer Information Systems - Certificate

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

The Computer Information Systems Certificate of Achievement prepares students to work in the information systems field. Depending on the course track selected, students either gain a general ability in computer programming or specialize in programming for mobile devices, the Linux systems, database programming or web development.

Program Learning Outcomes

- Students will analyze a problem, identify and define the computing requirements appropriate to its solution.
- Students will 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.
- Students will use current techniques, skills, and tools necessary for computing practice.

Meet the Following Requirements

1. Complete all required certificate courses with a C (or P) or better.
2. Complete at least 1/3 of the program courses at Mission College to establish residency.

NOTES:

- *Requirements here apply to the current catalog year and are subject to change. Visit DegreeWorks in-1 My Mission Portal-1 to view requirements based your catalog year.*
- *Not all classes are offered each semester.*

Required Core Courses: Select two (2) 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

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Elective Courses: Eight (8) units total with a minimum of six (6) units of CIS courses and a maximum of two (2) work experience (WRK 300GW) units

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 044	Intro to Data Structures Using Java (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 060	Mobile Apps Programming - iOS (3.0 Lecture/1.0 Lab)	4.0
CIS 063	Mobile Apps Programming - Android (3.0 Lecture/1.0 Lab)	4.0

	Name	Units
WRK 300GW	Work Experience	1.0-2.0

Units Required

	Units
Total Required Units	16.0-18.0