

Last Updated: Fall 2015

Discipline: Computer Science and Information Technology - Computer Science (CSCI)

Computer Science

A.S. Degree Major/Cert. Achievement 18 units/more

Computer Science is the study and design of computer systems: both hardware and software. Computer scientists are primarily concerned with the design of algorithms, languages, hardware architectures, systems software, applications software and tools. Emphasis in the Computer Science program is placed on the ability to solve problems and think independently. The program offers a foundation in data structures, computer architecture, software design, algorithms, programming languages, and object-oriented programming. See a Counselor for additional university transfer requirements in this major.

Program Requirements

CSCI 112	Programming Fundamentals I	4	DE
CSCI 114	Programming Fundamentals II	4	DE
CSCI 210	Data Structures	4	DE
CSCI 212	Machine Organization and Assembly Language	4	DE
CSCI 222	C++ and Object-Oriented Programming	4	DE

Electives (Select 2 courses)

CSCI 130	Linux Fundamentals	3	
CSCI 230	Java GUI Programming	3	DE
CSCI 235	Android Development	3	DE
CSCI 260	Video Game Programming I	3	
CSCI 275	iOS Development	3	DE
MATH 245	Discrete Mathematics	3	

Total units

26

Percent DE: 100.00%

1557