

DIVISION
DIVISION DEAN
FACULTY CHAIR

Science
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DIVISION OFFICE

Courses offered by the Computer Science Department are interactive, featuring hands-on experience with the college's computer hardware and software. The courses cover a range of topics in the computer field with an emphasis on software engineering and information processing.

The Computer Science curriculum may culminate in either an Associate of Science degree or a certificate. The degree program prepares students to transfer to a four-year institution with a major in computer science or a related discipline. Students planning to transfer to a four-year institution and major in computer science should consult with a counselor regarding the transfer process and lower division requirements. The certificate program prepares students for entry-level employment as programmers for scientific and business applications.

Core competencies emphasized by courses in this department:

- Read and retain information
- Employ vocabulary of the subject studied
- Utilize technology to organize and present information
- Demonstrate working knowledge of basic computer functions
- Apply learned knowledge to new situations
- Apply principles of scientific reasoning to solve problems

**COMPUTER SCIENCE ASSOCIATE
 OF SCIENCE DEGREE**

To graduate with a degree in Computer Science and intending to transfer to four-year institutions, students must complete a total of 25-26 units listed below in addition to general education requirements.

REQUIRED COURSES		UNITS
CS 110	Fundamentals of Computer Science	3
CS 190	Programming in C++	4
CS 265	Date Structures	3
PHYSIC 200	General Physics I	6
PHYSIC 201	General Physics II	6

Select one of the following courses: 3-4

CS 130	Applied Computer Logic	(3)
CS 170	Assembly Language	(4)
CS 215	Programming with Java	(4)

TOTAL UNITS 25-26

COMPUTER SCIENCE CERTIFICATE

This certificate is designed to provide students with the fundamentals of software engineering, information processing concepts, and programming to prepare them for entry-level positions as programmers for scientific and business applications. In addition, this certificate completes the lower division requirements of the certificate program offered by the Computer Science Department CSU San Bernardino.

REQUIRED COURSES		UNITS
CS 110	Fundamentals of Computer Science	3
CIT 100	Introduction to Personal Computers	3
CS 120	Introduction to Visual Basic.NET	4
CS 220	Visual Basic.NET Programming II	3

Select one of the following courses

CS 190	Programming in C++	(4)
CS 215	Programming with Java	(4)

TOTAL UNITS 17

