

Computer Science

Award Type: Associate in Science for Transfer

Computer science is the study of the theory and methods of processing information in digital computers, the design of computer software and hardware, and the applications of computers. Courses cover programming fundamentals, data structures, discrete mathematics, and computer architecture, along with specific programming languages. The Associate in Science in Computer Science for Transfer degree is offered for those students desiring a major in computer science at a California State University. Associate Degree for Transfer Requirements Completion of 60 semester units that are eligible for transfer to the California State University, including the following: A. The completion of the Intersegmental General Education Transfer Curriculum (IGETC) B. A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district. C. Obtainment of a minimum grade point average of 2.0 with all courses in the major being completed with a grade of "C" or better.

The graduate of the Associate in Science for Transfer in Computer Science will:

- Recall significant computer science concepts, vocabulary, and theories.
- Produce programming projects using a contemporary programming language.
- Find and correct programming errors.

Program Requirements

A major of 30 units is required for the degree.

Course Number	Course Title	Units
CS 111	Fundamentals of Programming 1	4.0
CS 112	Fundamentals of Programming 2	4.0
CS 131	Computer Organization	3.0
CS 161	Discrete Structures	3.0
MATH 181	Calculus 1	4.0
MATH 182	Calculus 2	4.0
PHYS 161	Engineering Physics 1	4.0
PHYS 163	Engineering Physics 3	4.0

General Education

Complete the following:

- Intersegmental General Education Transfer Curriculum (IGETC) - 37 units, or
- CSU General Education Breadth (CSU GE) - 39 units.

Double counting:

A maximum of 7 units may be double counted for the major and CSU GE or IGETC units.

Select additional CSU transferrable units as needed to achieve 60 units required for the degree - 0 units

Visit [myHancock](#) and select the [DegreeWorks](#) icon to view CSU or IGETC general education and transferrable courses.