

COMPUTER SCIENCE ASSOCIATE IN SCIENCE DEGREE

PROGRAM CODE: 2S08408

The **Computer Science Associate in Science Degree** is designed to prepare students to transfer to colleges and universities that offer bachelor's degrees in computer science. Students with a degree in computer science may pursue careers in many areas of industry, such as aerospace, health, finance, entertainment, and more. Opportunities for specialties in the field include software engineering and development, computer networks and security, telecommunications, mobile computing, game programming, internet and web technology, embedded systems and real-time programming, systems analysis, information technology, distributed computing and artificial intelligence. This degree requires 23-24 units of which 12 units are in required courses. An additional 11-12 units must be chosen from the lists below. A grade of C or better is required in all courses.

Code	Title	Units
Required Courses suggested in the following sequence (12 units):		
CSCI 123 F	Introduction to Programming Concepts in C++	4
CSCI 133 F	Data Structures in C++	4
MATH 152 F	Calculus II (formerly MATH 150BF)	4
or MATH 152HF	Honors Calculus II	
Select one course pairing (7-8 units):		7-8
MATH 171 F	Discrete Mathematics	4
<i>and</i>		
MATH 172 F	Graph Theory and Linear Algebra	4
<i>OR</i>		
MATH 170 F	Discrete Structures	4
<i>and</i>		
MATH 255 F	Linear Algebra	3
Restricted Electives (4 units):		4
CSCI 223 F	C Language for Math and Science	4
CSCI 241 F	Computer Organization and Assembly Language Programming	4
Total Units		23-24

Outcome 1: Write computer programs to solve problems.

Outcome 2: Design and implement Abstract Data Types using object-oriented techniques.

https://www.curricunet.com/fullerton/reports/program_report.cfm?programs_id=1134