

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. In addition to other graduation requirements, this degree requires 22-24 units, of which 12 units are in required course and an additional 10-12 units are chosen from the restricted elective lists.

Code	Title	Units
Required Courses (12 units):		
CSCI 123 F	Introduction to Programming Concepts in C++	4
CSCI 133 F	Data Structures in C++	4
MATH 152 F or MATH 152HF	Calculus II (formerly MATH 150BF) Honors Calculus II	4
Choose one course pair (6-8 units)		6-8
MATH 171 F & MATH 172 F	Discrete Mathematics and Graph Theory and Linear Algebra	8
<i>OR</i>		
MATH 170 F & MATH 255 F	Discrete Structures and Linear Algebra	7
<i>OR</i>		
MATH 171 F & MATH 253 F	Discrete Mathematics and Additional Topics in Linear Algebra (formerly MATH 250CF)	6
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		22-24

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