

## CA Computer Science - C++

Completion of this Certificate of Achievement prepares students for work using the C++ programming language.

### Career Opportunities

A basic knowledge of computer structure and programming adds to many jobs - as a programmer, working with programmers and as a content expert developing programs for projects in that field.

### Program Learning Outcomes

Students completing this program will be able to:

1. Apply knowledge of math, science and computer science to identify, formulate and solve computer science problems.
2. communicate effectively and work well in situations that require teamwork.
3. Design and perform tests, analyze and interpret data and prepare a report summarizing the results of the tests.
4. Develop a design or system given a set of requirements and specifications.
5. Use techniques, skills and computer tools necessary for computer science practice.

### Major: Core and Selective Requirements

Complete Core Courses, 16 units		Units
CIS 118	Introduction to Computer Science	4 units
CIS 242	Computer Architecture and Assembly Language	3 units
CIS 250	Introduction to Object Oriented Programming: C++	3 units
CIS 252	Introduction to Data Structures - C++	3 units
CIS 262	Discrete Mathematics for Computer Science	3 units

