C ++ PROGRAMMING, CERTIFICATE OF SPECIALIZATION

Banner Code: 1_CE_CSCP
Not Financial Aid Eligible

Completion of this certificate, issued through the Business and Computing Division, will enable students to apply for entry-level positions in C++ programming. A grade of "C" or better is required in all courses. All courses must be completed at Orange Coast College.

Program Outcome

Program completers will be able to write programs in C++ using classes, flow-of-control and fundamental data structure.

Review Graduation Requirements (https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#specializationtext).

Course	Title	Units
Required Courses		
All courses must be completed at Orange Coast College.		
CS A150	C++ Programming Language 1	4
CS A250	C++ Programming Language 2	4
CS A200	Data Structures	4
Total Units		**12**

Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. **Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.**

Course	Title	Units
Year 1		
Semester 1		
C++ Prerequisites- CHOOSE ONE [1.]		4
	Units	**4**
Semester 2		
CS A150	C++ Programming Language 1	4
	Units	**4**
Summer		
CS A250	C++ Programming Language 2	4
	Units	**4**
Year 2		
Semester 2		
CS A200	Data Structures	4
	Units	**4**
	Total Units	**16**

[1] C++ Prerequisite Choices- Choose One:
CS A170: Java Programming 1 (4 units)
CS A131: Python Programming 1 (4 units)
CS A140: Introduction to C#.NET Programming