

# JAVA PROGRAMMING, CERTIFICATE OF SPECIALIZATION

## 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 Java programming. In addition, students will also have the opportunity to earn industry credentials as an Oracle Certified Java Associate. A grade of "C" or better is required in all courses. All courses must be completed at Orange Coast College.

## Program Outcome

Program achievers will be able to write programs in Java using classes, flow-of-control and fundamental data structures. In addition, achievers will also be able to develop mobile applications using the Android framework for both tablet and phone devices.

## Certificate of Specialization Requirements

The Certificate of Specialization is a locally approved career program that requires sixteen units or fewer units and is designed to prepare the graduate to enter a particular field of employment. In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. At least 3 units in an advanced course from the certificate must be completed at OCC at the department's discretion. Certificates of Specialization are not automatically awarded, not printed on official academic transcripts, and there is no acknowledgment of completion given at graduation. Please contact the division for details regarding the submission of petitions as procedures for each division vary. Most division offices prefer that students complete all of the required courses and then provide a copy of the transcript while some divisions allow petitions for Certificates of Specialization before finishing. Check with a counselor to determine the requirements for completion.

A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of this catalog.

Course	Title	Units
<b>Required Courses</b>		
All courses must be completed at Orange Coast College.		
CS A170	Java Programming 1	4
CS A272	Java Programming 2	4
<b>Total Units</b>		<b>8</b>

## Program Sequence

These sequences at Orange Coast College are general course curriculum maps for students to finish all major and general education requirements for two-year completion of degrees, and/or fulfillment of transfer requirements. The course sequence may include course prerequisites and other placement requirements. **Students are advised to meet with an Orange Coast College Counselor to review course selections and sequences to ensure that completion of this program will meet a student's transfer and career goals.**

Course	Title	Units
<b>Year 1</b>		
<b>Semester 1</b>		
CS A170	Java Programming 1	4
	<b>Units</b>	<b>4</b>
<b>Semester 2</b>		
CS A272	Java Programming 2	4
	<b>Units</b>	<b>4</b>
	<b>Total Units</b>	<b>8</b>