

# COMPUTER INFORMATION SYSTEMS, CERTIFICATE OF ACHIEVEMENT

Financial Aid Eligible

Banner Code: 1\_CN\_CIST

Control Number: 18193

This program will meet major requirements for the Associate in Science degree but has not been articulated with any particular four-year institution. Students should not expect that they will necessarily meet the lower-division requirements at specific colleges or universities. Students should consult a counselor for specific transfer information.

This option provides the student with the lower-division transfer courses for some of the business oriented majors. Students are advised to check course transferability with an Orange Coast College counselor prior to enrolling in CIS courses.

## Program Outcomes

1. Students will be prepared for employment in entry-level positions in the computer and information systems industries.

## Certificate Requirements

Orange Coast College offers two types of certificate awards in career programs designed to prepare the graduate to enter a particular field of employment. At least 3 units in an advanced course from the certificate must be completed at OCC.

1. **Certificate of Achievement** - 8 units or more in a state-approved program. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing his or her final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog.
2. **Certificate of Specialization** - 16 units or less in a locally approved program. 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.

### Minimum Grade Requirement

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. 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. Check with a counselor to determine the requirements for completion.

Course	Title	Units
<b>Required Courses</b>		
ACCT A101	Financial Accounting	4

Course	Title	Units
ACCT A102	Managerial Accounting	4
BUS A110	Business Law	3
CIS A111	Introduction to Computer Information Systems	3
ECON A170	Microeconomics	3
ECON A175	Macroeconomics	3
MATH A140 or MATH A180	Business Calculus Calculus 1	4
Select one of the following:		4
CS A131	Python Programming I	
CS A140	Introduction to C#.NET Programming	
CS A142	Introduction to Visual Basic.NET Programming	
CS A150	C++ Programming Language 1	
CS A170	Java Programming 1	
<b>Total Units</b>		<b>28</b>