

# COMPUTER INFORMATION SYSTEMS, ASSOCIATE IN SCIENCE DEGREE

**Banner Code:** 1\_AS\_CIST

**Control Number:** 03968

**Financial Aid Eligible**

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 Outcome

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

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/associate-degree/>) and General Education (<https://catalog.cccd.edu/orange-coast/general-education-patterns/>).

Course	Title	Units
<b>Required Courses</b>		
ACCT A101	Financial Accounting	4
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
<i>Select one of the following:</i>		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>

Requirement	Units
Minimum Program Major Units	28
AS General Education Option 1, 2, or 3	Varies
Transferable electives as needed to satisfy unit requirement	Varies
<b>Total Degree Units</b>	<b>60</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>		
CIS A111	Introduction to Computer Information Systems	3
ECON A170	Microeconomics	3
MATH A140 or MATH A180	Business Calculus or Calculus 1	4
OCC AS GE AREA A1- CHOOSE ONE		3
ELECTIVE (DEGREE APPLICABLE)		3
<b>Units</b>		<b>16</b>
<b>Semester 2</b>		
ECON A175	Macroeconomics	3
BUS A110	Business Law	3
OCC AS GE AREA C1- CHOOSE ONE		3
OCC AS GE AREA B- CHOOSE ONE		3-4
ELECTIVE (DEGREE APPLICABLE)		3
<b>Units</b>		<b>15-16</b>
<b>Year 2</b>		
<b>Semester 1</b>		
ACCT A101	Financial Accounting	4
CERT RESTRICTED ELECTIVE- CHOOSE ONE		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	
OCC AS GE AREA C2- CHOOSE ONE		3
ELECTIVE (DEGREE APPLICABLE)		3
<b>Units</b>		<b>14</b>
<b>Semester 2</b>		
ACCT A102	Managerial Accounting	4
ELECTIVE (DEGREE APPLICABLE) <sup>1</sup>		11
<b>Units</b>		<b>15</b>
<b>Total Units</b>		<b>60-61</b>

<sup>1</sup> VARIES TO REACH MINIMUM 60 DEGREE APPLICABLE UNITS.