

# COMPUTER INFORMATION SYSTEMS, ASSOCIATE IN SCIENCE DEGREE

Financial Aid Eligible  
Banner Code: 1\_AS\_CIST  
Control Number: 03968

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.

## Associate in Science Degree Requirements

1. **UNIT REQUIREMENT** - 60 UNITS, with at least a 2.0 grade point average. At least 12 of the units must be earned at OCC, with a minimum of one course taken for a letter grade. At least 3 units in an advanced course from the program must be completed at OCC. A student must be enrolled at the time of application for graduation. Units earned at an accredited college or university on a credit/no credit basis will be counted toward the degree requirements of the college, to a maximum of 15 units.
2. **MAJOR REQUIREMENT** - Complete the AA or AS major requirements as detailed in the Degree and Certificate section of this catalog.
3. **MATHEMATICS REQUIREMENT** - Demonstrate competence in mathematics by either obtaining a satisfactory grade (grade of "C" or better or "pass") in a mathematics course at or above the level of Intermediate Algebra as demonstrated by prior coursework, or by demonstrating competency that is comparable through the completion of a college-level math course that has Intermediate Algebra as a prerequisite: Psychology A160 or Math A100 or higher, with the exception of Math A220.
4. **GENERAL EDUCATION REQUIREMENT** - Students may choose to complete Option 1 (OCC AA GE) (<https://catalog.cccd.edu/orange-coast/general-education-patterns/associate-arts-general-education-option-1/>), Option 1 (OCC AS GE) (<https://catalog.cccd.edu/orange-coast/pathways/business-management-entrepreneurship/computer-information-systems/computer-information-systems-associate-science-degree/orange-coast/general-education-patterns/associate-science-general-education-option-1/>), Option 2 (CSU GE) (<https://catalog.cccd.edu/orange-coast/general-education-patterns/associate-degree-general-education-option-2/>), or Option 3 (IGETC) (<https://catalog.cccd.edu/orange-coast/general-education-patterns/associate-degree-general-education-option-3/>) to satisfy the general

education requirement. See the General Education Patterns section of this catalog for more information.

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
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>

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>