COMPUTER INFORMATION SYSTEMS, ASSOCIATE IN SCIENCE DEGREE

Banner Code: 1_AS_CIST
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
Required Courses		
ACCT A101	Financial Accounting	4
or ACCT A101H	Financial Accounting Honors	
ACCT A102	Managerial Accounting	4
or ACCT A102H	Managerial Accounting Honors	
BUS A110	Business Law	3
or BUS A110H	Business Law Honors	
CIS A111	Introduction to Computer Information Systems	3
or CIS A111H	Introduction to Computer Information Systems Honors	
ECON A170	Microeconomics	3
or ECON A170H	Microeconomics Honors	
ECON A175	Macroeconomics	3
or ECON A175H	Macroeconomics Honors	
MATH A140	Business Calculus	4
or MATH A180	Calculus 1	
or MATH A180H	Calculus 1 Honors	
Select one of the following:		*4*
CS A131	Python Programming I	
CS A140	Introduction to C#.NET Programming	
CS A150	C++ Programming Language 1	
CS A170	Java Programming 1	
Total Units		**28**

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
Total Degree Units	60

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
Year 1		
Semester 1		
CIS A111	Introduction to Computer Information Systems	3
or CIS A111H	or Introduction to Computer Information Systems Honors	
ECON A170	Microeconomics	3
or ECON A170H	or Microeconomics Honors	
OCC AS GE AREA A1- CHOOSE ONE		3
ELECTIVE (DEGREE APPLICABLE) [1]		3
	Units	**12**
Semester 2		
ECON A175	Macroeconomics	3
or ECON A175H	or Macroeconomics Honors	
BUS A110	Business Law	3
or BUS A110H	or Business Law Honors	
OCC AS GE AREA C1- CHOOSE ONE		3
ELECTIVE (DEGREE APPLICABLE) [1]		4
ELECTIVE (DEGREE APPLICABLE) [2]		3
	Units	**16**
Summer		
ELECTIVE (DEGREE APPLICABLE) [2]		4
	Units	**4**
Year 2		
Semester 1		
ACCT A101	Financial Accounting	4
or ACCT A101H	or Financial Accounting Honors	
MATH A140	Business Calculus	4
or MATH A180	or Calculus 1	
or MATH A180H	or Calculus 1 Honors	
CERT RESTRICTED ELECTIVE- CHOOSE ONE		4
CS A131	Python Programming I	
CS A140	Introduction to C#.NET Programming	
CS A150	C++ Programming Language 1	
CS A170	Java Programming 1	
	Units	**12**

Course	Title	Units
Semester 2		
ACCT A102 or ACCT A102H	Managerial Accounting or Managerial Accounting Honors	4
OCC AS GE AREA C2- CHOOSE ONE		3
ELECTIVE (DEGREE APPLICABLE) [2]		9
	Units	**16**
	Total Units	**60**

[1] Electives here can be used to complete prerequisites needed for the math choice required if student did not place into MATH A140/180/A180H.

[2] VARIES TO REACH MINIMUM 60 DEGREE APPLICABLE UNITS.