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
Required Courses		
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	Business Calculus	4
or MATH A180	Calculus 1	
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	
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
ECON A170	Microeconomics	3
MATH A140	Business Calculus	4
or MATH A180	or Calculus 1	
OCC AS GE AREA A1- CHOOSE ONE		3
ELECTIVE (DEGREE APPLICABLE)		3
	Units	**16**
Semester 2		
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
	Units	**15-16**
Year 2		
Semester 1		
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
	Units	**14**
Semester 2		
ACCT A102	Managerial Accounting	4
ELECTIVE (DEGREE APPLICABLE) [1]		11
	Units	**15**
	Total Units	**60-61**

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