COMPUTER AND INFORMATION TECHNOLOGY (PROGRAMMING) - ASSOCIATE OF APPLIED SCIENCE

Students must complete all College degree requirements, which include: General Education requirements and elective credits to total at least 60-64 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
General Education		
Choose one course from four of the following six content areas for a total of 12-14 credits. [1,2]		12-14
Area I: Communications		
Area II: Mathematics		
Area III: Laboratory Science		
Area IV: Social/Behavioral Sciences		
Area V: Humanities		
Area VI: Creative and Fine Arts		
General Education Elective [2]		3-4
Core Requirements		
Select one from the following:		3
BCIS 1110	Introduction to Information Systems	
E T 120	Computation Software	
MATH 1215	Intermediate Algebra	3
OECS 220	Database Application and Design	3
Business/Computer Electives		
Select one from the following:		3
ACCT 2120	Principles of Accounting II	
BCIS 1110	Introduction to Information Systems	
BFIN 2110	Introduction to Finance	
BUSA 1110	Intro to Business	
E T 120	Computation Software	
MGMT 2110	Principles of Management	
MKTG 2110	Principles of Marketing	
Approved programming-related course		3
Major Requirements		
Technical Requirements		
OECS 128	Operating Systems Linux/Unix	3
Select 3 credits from the following:		3
E T 283	Hardware PC Maintenance	
OECS 185	PC Maintenance and Repair I	
OECS 227	Computer Applications for Technicians	
OECS 207	Windows	3
Select 3-4 credits from the following:		3-4
OECS 290	Computer Technology Capstone	3
or OECS 255	Special Topics	
OECS 261	Introduction to Networks	
E T 153	Fundamentals of Networking Communications	
E T 155	Network Operating Systems I	

Concentration Coursework

Select 15 credits from the following:		15
E T 253	Networking Operating Systems II	
E T 283	Hardware PC Maintenance	
OECS 192	C++ Programming I	
OECS 195	Java Programming I	
OECS 235	Structured Query Language (SQL)	
OECS 245	Game Programming I	
Total Credits		**60-64**

[1]

Each course selected must be from a different area and students cannot take multiple courses in the same area.

[2]

See the General Education section of the catalog for a full list of courses.

A Suggested Plan of Study

Additional classes may be needed based on placement test results and course prerequisites. Visit with an advisor for help with creating a customized plan.

First Year		
Fall		**Credits**
GEN Ed course - One course from Areas I-VI [1,2]		3
MATH 1215	Intermediate Algebra (or alternate)	3
Select one from the following:		3
BCIS 1110	Introduction to Information Systems	
E T 120	Computation Software	
Concentration course [3]		3
Approved programming-related course		3
	Credits	**15**
Spring		
GEN Ed course - One course from Areas I-VI [1,2]		3
GEN Ed course - One course from Areas I-VI [1,2]		3-4
OECS 128	Operating Systems Linux/Unix	3
OECS 207	Windows	3
Concentration course [3]		3
	Credits	**15-16**
Second Year		
Fall		
OECS 220	Database Application and Design	3
Select one from the following:		3
E T 283	Hardware PC Maintenance	
OECS 185	PC Maintenance and Repair I	
OECS 227	Computer Applications for Technicians	
Choose one from the following:		3-4
E T 153	Fundamentals of Networking Communications	
E T 155	Network Operating Systems I	
OECS 261	Introduction to Networks	
Concentration course [3]		3
Business/Computer elective Course [4]		3
	Credits	**15-16**
Spring		
GEN Ed course - One course from Areas I-VI [1,2]		3-4
General Education Elective - Any "G" course [2]		3-4

Concentration course [3]		3

OECS 290
    or OECS 255
	Computer Technology Capstone
	    or Special Topics
		3

Concentration course [3]		3
	Credits	**15-17**
	Total Credits	**60-64**

[1]

Each course selected must be from a different area and students cannot take multiple courses in the same area.

[2]

See the General Education section of the catalog for a full list of courses.

[3]

See the Requirements Tab (p. 1) for specific courses.

[4]

Business/Computer Electives:

- ACCT 2120 Principles of Accounting II
- BCIS 1110 Introduction to Information Systems
- BUSA 1110 Intro to Business
- E T 120 Computation Software
- BFIN 2110 Introduction to Finance
- MGMT 2110 Principles of Management
- MKTG 2110 Principles of Marketing