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.

Code	Title	Hours
General Education		
Courses required from Area I, II, III, IV, V, and VI. [1,2]		19-20
	Area I: Communications	
	ENGL 1110G (Technical Requirement) [1]	
	Area II: Mathematics	
	Area III: Laboratory Science	
	Area IV: Social/Behavioral Sciences	
	ECON 1110G, ECON 2110G, or ECON 2120G (Technical Requirement) [1]	
	Area V: Humanities	
	Area VI: Creative and Fine Arts	
Technical Requirements		
BCIS 1110	Fundamentals of Information Literacy and Systems	3
ENGL 2210G	Professional & Technical Communication	3
MATH 1215	Intermediate Algebra	3
OECS 128	Operating Systems Linux/Unix	3
OECS 185	PC Maintenance and Repair I	3
or OECS 227	Computer Applications for Technicians	
OECS 207	Windows	3
OECS 220	Database Application and Design	3
OECS 261	Introduction to Networks	3-4
OECS 290	Computer Technology Capstone	3
or OECS 255	Special Topics	
Choose one Business course from the following:		
ACCT 2110	Principles of Accounting I (Financial)	
BFIN 2110	Introduction to Finance	
BUSA 1110	Introduction to Business	
MGMT 2110	Principles of Management	
MKTG 2110	Principles of Marketing	
Select a minimum of 14 credits from the following:		14-15
OECS 192	C++ Programming I	
OECS 195	Java Programming I	
OECS 235	Structured Query Language (SQL)	
OECS 245	Game Programming I	
OECS 255	Special Topics	
OECS 290	Computer Technology Capstone	
Total Hours		**60-63**

1

Course is a Technical Requirement and must be completed regardless of transfer credits awarded.

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.

Course	Title	Hours
First Year		
Fall		
ENGL 1110G	Composition I (Area I: Communications)	4
MATH 1215	Intermediate Algebra (or alternate)	3
Select one from the following:		3
BCIS 1110	Fundamentals of Information Literacy and Systems	
E T 120	Computation Software	
Concentration course [3]		3
Approved programming-related course		3
	Hours	**16**
Spring		
OECS 128	Operating Systems Linux/Unix	3
ENGL 2210G	Professional & Technical Communication	3
ECON 1110G or ECON 2110G or ECON 2120G	Survey of Economics or Macroeconomic Principles or Microeconomic Principles	3
OECS 207	Windows	3
Concentration course [3]		3
	Hours	**15**
Summer		
Area II: Mathematics [1,2]		3
Area V: Humanities [1,2]		3
	Hours	**6**
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
	Hours	**15-16**
Spring		
Concentration course [3]		3
Area III: Laboratory Science [1,2]		3
Area VI: Creative and Fine Arts [1,2]		3
OECS 290 or OECS 255	Computer Technology Capstone or Special Topics	3

Concentration course [3]	3
Hours	**15**
Total Hours	**67-68**

[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 for specific courses.

[4]

Business/Computer Electives:
- ACCT 2120 Principles of Accounting II (Managerial)
- BCIS 1110 Fundamentals of Information Literacy and Systems
- BUSA 1110 Introduction to Business
- E T 120 Computation Software
- BFIN 2110 Introduction to Finance
- MGMT 2110 Principles of Management
- MKTG 2110 Principles of Marketing