COMPUTER AND INFORMATION TECHNOLOGY NETWORKING - ASSOCIATE OF APPLIED SCIENCE

Students must complete all degree requirements to total at least 60-62 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		
Course required from Area I, II, III, IV, V and VI [1,2]		19-20
Area I: Communications		
ENGL 1110G (Technical Requirement)		
Area II: Mathematics		
Area III: Laboratory Science		
Area IV: Social/Behavioral Sciences		
ECON 1110G, ECON 2110G, or ECON 2120G (Technical Requirement)		
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 (or Approved technology-related math course)	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
Choose one Business course from the following:		3
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 230	Data Communications and Network I	
OECS 231	Data Communications and Network II	
OECS 234	Linux Server	
OECS 235	Structured Query Language (SQL)	
OECS 262	Essentials of Routing and Switching	
OECS 263	Network Fundamentals	
OECS 264	Network Routing Protocols	
OECS 269	Network Security	
Total Hours		**60-62**

[1] Course is a Technical Requirements and must be completed regardless of transfer credit 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) [1,2]	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		
ECON 1110G or ECON 2110G or ECON 2120G	Survey of Economics (Area IV: Social/Behavioral Sciences) or Macroeconomic Principles or Microeconomic Principles	3
ENGL 2210G	Professional & Technical Communication (Area VII: Flexible 3 (General Education Elective))	3
OECS 128	Operating Systems Linux/Unix	3
OECS 207	Windows	3
Concentration course [3]		3
	Hours	**15**
Summer		
Area VI: Creative and Fine Arts [1,2]		3
Area III: Laboratory Science [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		
Area II: Mathematics [1,2]		3
Area V: Humanities [1,2]		3
Concentration course [3]		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