

## WEB AND VISUAL APPLICATION DEVELOPMENT AND CISCO NETWORKING ACADEMY CONCENTRATION

This degree concentration combines the information technology core and general education requirements plus the courses from the web and visual application development certificate as well as the cisco networking academy certificate. A student completing this degree will have the necessary skills to be an entry-level application developer in multiple environments and the skills necessary to be an entry-level networking engineer.

### Required Program of Study for Associate of Applied Science Degree (2 years)

#### FRESHMAN YEAR

First Semester	
Course	Credits
BSAD 2050 Business Communications* .....	3
INFO 1020 Introduction to Information Technology ...	3
INFO 1100 Microcomputer Applications* .....	3
INFO 1170 Operating Systems I .....	3
INFO 1420 Introduction to Programming in C# .....	4
	16

Second Semester	
Course	Credits
ECON 2110 Principles of Macroeconomics* .....	3
INFO 1725 HTML, CSS, and JavaScript .....	3
MATH 1100 Topics and Ideas in Mathematics* .....	3
INFO 2330 Database Concepts, Design and Application .....	4
INFO 2550 Programming in Java .....	4
	17

#### SOPHOMORE YEAR

First Semester	
Course	Credits
ACCT 1100 Survey of Accounting .....	3
INFO 1440 Advanced Programming in C# .....	3
INFO 2040 Project Management .....	3
INFO 2700 Cisco Networking I .....	4
INFO 2710 Cisco Networking II .....	4
	17

Second Semester	
Course	Credits
BSAD 1000 Human Relations and Ethics* <b>OR</b> PSYC 1810 Introduction to Psychology* .....	3
INFO 2020 Systems Analysis and Design .....	5
INFO 2400 Advanced Web Programming .....	4
INFO 2750 Cisco Networking III .....	4
INFO 2760 Cisco Networking IV .....	4
	20

Total Credit Hours 70

\*See general education requirement.