WEB AND VISUAL APPLICATION DEVELOPMENT AND INFORMATION SECURITY CONCENTRATION

This degree concentration combines the information technology core and general education requirements plus the courses from the information security certificate and the web and visual application development certificate. A student completing this degree will have the necessary skills to be an entry-level application developer in multiple environments and have the skills necessary to help the organization ensure continuous operation by safeguarding data from attacks and disasters.

The National Security Agency and Department of Homeland Security has designated Northeast Community College as an institution for CAE-2Y - National Centers of Academic Excellence in Cyber Defense 2-Year Education

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
INFO 1725 HTML, CSS, and JavaScript	3
INFO 1850 Operating Systems II	3
INFO 2330 Database Concepts, Design and Application	4
INFO 2550 Programming in Java	4
MATH 1100 Topics and Ideas in Mathematics*	3
	17

*See general education requirement.

SOPHOMORE YEAR

First Semester

Course	Credits
ACCT 1100 Survey of Accounting	3
BSAD 1000 Human Relations and Ethics* **OR** PSYC 1810 Introduction to Psychology*	3
INFO 1440 Advanced Programming in C#	3
INFO 2040 Project Management	3
INFO 2650 Network Servers	3
INFO 2700 Cisco Networking I	4
	19

Second Semester

Course	Credits
ECON 2110 Principles of Macroeconomics*	3
INFO 2020 Systems Analysis and Design	5
INFO 2720 Principles of Information Security	3
INFO 2730 Information Security Lab	1
INFO 2400 Advanced Web Programming	4
INFO 2800 CompTIA Security+ Certification	1
	17

Total Credit Hours	69