

INFORMATION TECHNOLOGY

To earn an associate of applied science degree in Information Technology, a student must successfully complete the following general education and core requirements, in addition to one of the specific concentrations listed in the following pages. Students are encouraged to seek advisement to build a program consistent with their career goals.

There are many career opportunities in Information Technology career fields. Students will study in a wide range of programs that expose them to innovative technologies that impact the world.

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

Core Requirements

Course	Credits
ACCT 1100 Survey of Accounting	3
INFO 1020 Introduction to Information Technology ...	3
INFO 1420 Introduction to Programming in C#	4
INFO 1170 Operating Systems I	3
INFO 2330 Database Concepts, Design and Application	4
INFO 1725 HTML, CSS, and JavaScript	3
INFO 2040 Project Management	3
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General Education Requirements

Course	Credits
BSAD 1000 Human Relations and Ethics OR PSYC 1810 Introduction to Psychology	3
BSAD 2050 Business Communications	3
ECON 2110 Principles of Macroeconomics	3
INFO 1100 Microcomputer Applications	3
MATH 1100 Topics and Ideas in Mathematics	3
	<u>15</u>

Core Requirements	23
General Education Requirements	15
Approved Concentration Electives	<u>25-35</u>

Total Credit Hours

63-73

BUILD YOUR INFORMATION TECHNOLOGY DEGREE

The information technology career field has many areas of specialization. In order to give students the ability to choose their areas of specialization, the information technology department has developed several AAS degree concentrations which focus on a wide variety of topics.

STEP ONE:

Choose any two of the following career concentrations:

Cisco Networking Academy
Information Security
System Administration
Web and Visual Application Development
Technical Services Support

STEP TWO:

Match two chosen concentrations from each row and column to find the page for unique AAS degree concentration.

(For example, if you chose Cisco Networking and Technical Services Support, you would find your AAS program of study on page 120.)

STEP THREE:

Go to the page listed with your AAS Concentration.

	Cisco Networking	Information Security	System Administration	Technical Services Support	Web and Visual Application Devl
Cisco Networking		pg. 121	pg. 122	pg. 123	pg. 127
Information Security	pg. 121		pg. 124	pg. 125	pg. 128
System Administration	pg. 122	pg. 124		pg. 126	
Technical Services Support	pg. 123	pg. 125	pg. 126		pg. 129
Web and Visual Application Devl	pg. 127	pg. 128		pg. 129	

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)

FIRST YEAR

Fall 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
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Spring 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
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*See general education requirements.

SECOND YEAR

Fall 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
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Spring Semester

Course	Credits
ECON 2110 Principles of Macroeconomics*	3
INFO 2020 Systems Analysis and Design	3
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
	<u>15</u>

Total Credit Hours 67