Computer Programming

Business Technologies Division

Computer Programming

Associate of Applied Business in Information Technology

Computers play a part in nearly all phases of our life today. Businesses and governmental agencies, large and small, require trained computer specialists. The computer programming degree prepares computer programmers and computer operators to work with a wide variety of computers and languages used by area employers. Emphasis is placed upon business-oriented computer languages. Programming and practical applications of business data are stressed. In the laboratory, hands-on experience is provided using the Internet and PC compatible computers.

Graduates may find employment in entry-level positions with typical titles such as Computer Operator, Application Programmer, Maintenance Programmer, Software Developer or in Technical Support. A career path may include Lead or Senior Programmer and Data Processing Manager.

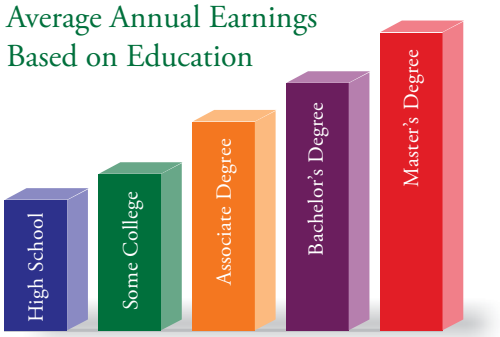
Career Outlook

O*Net Online projects a bright outlook for the computer programming degree students. Bright outlook occupations are expected to grow rapidly in the next several years, will have large numbers of job openings, or are new and emerging occupations.

Job duties include creating, modifying, and testing the code, forms, and script that allow computer applications to run. Work is performed based upon specifications drawn up by software developers or other individuals. Programmers may assist software developers by analyzing user needs and designing software solutions. Programmers may develop and write computer programs to store, locate, and retrieve specific documents, data, and information.

Education Pays

Average Annual Earnings
Based on Education



Based on data from the Bureau of Labor Statistics

For Program Questions:

Dean of Business Technologies
(419) 267-1351
businessdean@northweststate.edu

For Admissions Questions:

NSCC Admissions Office
(419) 267-1320
admissions@northweststate.edu

Northwest State Community College

www.northweststate.edu

NSCC is accredited by:
The Higher Learning Commission
(312) 263-0456
www.ncahigherlearningcommission.org

2013-2014

Program Sequence

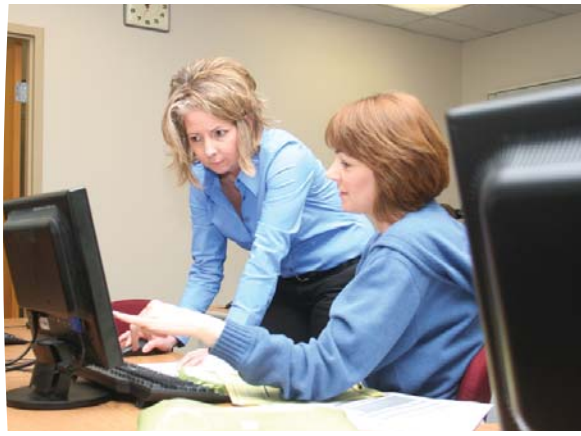
First Semester		*Credits*
+ CIS111	Visual Basic Programming	4
+ CIS191	Computer Operations	3
ENG111	Composition I	3
	Mathematics Elective	3
		13

Second Semester		*Credits*
+ CIS109	Database Management	4
+ CIS114	Microsoft Applications	3
ENG112	Composition II	3
	Business Elective	3
	Humanities Elective	3
		16

Third Semester		*Credits*
ACC111	Financial Accounting	4
+ CIS108	Internet Scripting	4
+ CIS150	Programming C++	4
	Natural Science Elective	3
		15

Fourth Semester		*Credits*
ACC112	Managerial Accounting	4
+ CIS165	Java Programming	4
	Social Behavioral Science Elective	3
+	Technical Elective	3
+	Technical Elective	3
		17

Total Program Credit Hours ***61***

+ Students must attain a 2.00 grade point average in these technical courses to graduate.

Course curriculum is subject to change. Please consult with an Academic Advisor for up-to-date information.