

INACTIVE PROGRAM

(B30) Certificate

This certificate consists of a core of courses which provide job entry skills in the area of computer programming. This certificate can also be the function for advancement to higher level positions in an expanding field.

Work and Employment

Computer programmers write software and prepare lists of logical steps the computer follows to organize data, solve a problem, or do other tasks. Applications programmers write programs to handle specific jobs such as programs to control inventory or provide access to online databases. They may work for all types of firms that use computer systems. Systems programmers usually work for organizations with large computer centers and for firms that manufacture computers or develop software. They make changes in the sets of instructions that determine how the computer handles the various jobs it has been given. Programming requires logic, abstract thinking and attention to detail.

Program Contacts at Sauk Valley Community College

Counseling Office, 815/835-6208;

Kevin Megill, Associate Professor of Computer Information Systems, 815/835-6251;

Alan Pfeifer, Dean of Information Services, 815/835-6218;

Valarie Wittman, Associate Professor of Computer Information Systems, 815/835-6388.

Major Field Requirements

CIS - * Programming Electives 6 Semester hour(s)

- CIS 150 - Fundamentals of Business Computer Programming 3 Semester hour(s)

Total Hours Required for Certificate: 9

Footnote

*Select 6 hours from:

- CIS 122 - Beginning Java Programming 3 Semester hour(s)
- CIS 203 - Visual Basic Programming 3 Semester hour(s)
- CIS 204 - Visual Basic Programming II 3 Semester hour(s)
- CIS 205 - Pascal Programming 3 Semester hour(s)
- CIS 206 - C Programming 3 Semester hour(s)
- CIS 207 - C++ Programming 3 Semester hour(s)
- CIS 208 - C++ Programming II 3 Semester hour(s)
- CIS 234 - Intermediate Java Programming 3 Semester hour(s)

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