

COMPUTER PROGRAMMING TECHNOLOGY

Associate of Applied Science Degree

Types of jobs available:

Students will be prepared for careers with a focus on software development. Skills are acquired on three different IBM computer platforms in areas of Web Design to Mainframe Computing within the IBM computing platforms of PC in a client-server environment, mainframe (zSeries) and the mid-range IBMi.

PC courses include Visual Basic developed in the .NET framework, Java, HTML, JavaScript, Java Servlets, embedded SQL and JSPs as well as Microsoft Office products.

These courses will provide the programming skills needed to develop, implement and maintain Web-based applications.

The zSeries courses include JCL, TSO/ISPF, embedded DB2/SQL, COBOL and CICS.

The IBMi curriculum focuses on the RPG IV programming language. Students create interactive applications that utilize sub-file processing. Students also will gain experience using Control Language, DDS, SEU, PDM, DFU, CLP and SDA.

Students also are responsible for creating a working business system. Student groups interview area businesses, then design and code a business system. Students experience the project team environment common in business system development.

Students will have hands-on experience on all three platforms and will develop an understanding of how these platforms work together in a multi-platform environment typically found in business and industry today.

The program will prepare students for attaining employment in a competitive IT market. Students will be able to choose companies based on their experience with a single platform or with a multi-platform environment.

Program overview

Students will be able to complete the program in 18 months and will graduate with an Associate of Applied Science degree. Students not only have the option of employment, but they also may transfer credit to a four-year college or university to complete a bachelor's degree. This program is available only at the Milford Campus.

A flexible schedule is available. Please contact the program chair for more information.

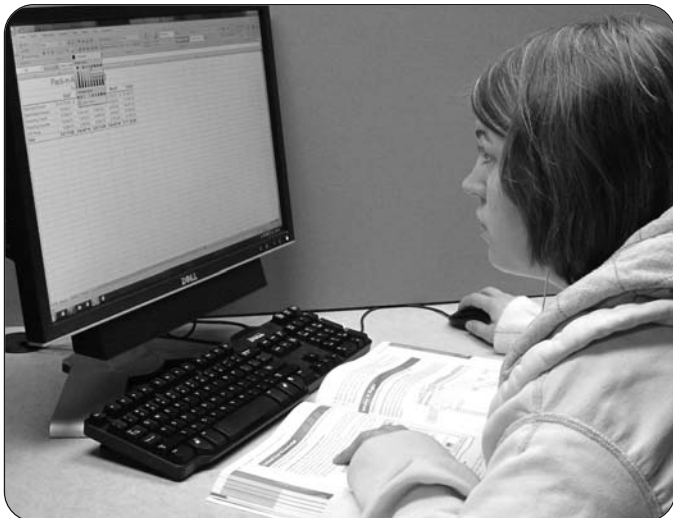
For more information contact:

Beth Stutzman, Program Chair
402-761-8395, 800-933-7223 ext. 8395, bstutzma@southeast.edu

or the College Admissions Office
Milford 402-761-8243, 800-933-7223 ext. 8243

Milford Campus

Credit Hours Required for Graduation: 130.0
Please note: A grade of "C" or higher is required in all prerequisite courses.



Computer Programming Technology Core Courses:

Not listed in curriculum sequence order.

COURSE #	COURSE TITLE	CREDIT HRS
INFO1111	Logic and Design	5.0
INFO1117	Microsoft Windows and Office Suite	2.0
INFO1151	Computer Fundamentals	4.5
INFO1217	Database Management	5.0
INFO1221	Introduction to MVS Environment	2.0
INFO1314	Java	4.5
INFO1325	Internet Scripting	3.0
INFO1337	Introduction to IBMi	3.5
INFO1414	Advanced Java	4.5
INFO1428	COBOL	8.0
INFO1431	Web Page Fundamentals	3.0
INFO1458	RPG IV	6.0
INFO2514	Java Server Programming	4.5
INFO2528	Advanced COBOL	7.5
INFO2548	Customer Information Control System Programming	8.0
INFO2558	System Analysis & Design	5.0
INFO2565	Visual Basic	4.5
INFO2620	Networking and Operating Systems Concepts	3.0
INFO2638	Applied Business Solutions	6.5
INFO2664	Advanced Visual Basic	4.5
INFO2678	DB2 Database Applications & SQL	3.5
INFO2680	XML Web Services with Java	3.5
INFO2682	Developing Mobile Applications with Java	3.5
ACFS2020	Career Development	2.5
		107.5 hours

General Education Requirements:

Contact your program advisor to select general education course/s from each category which will meet your program's graduation requirements. See page 4 for complete list.

(One class from each area below).

Oral Communications	4.5
Written Communications	4.5
Mathematics	4.5

MATH1040 Business Math (or higher)

(Plus two classes from the three areas below; no two classes from the same area).

Science	4.5-7.5
Social Science	4.5
Humanities	4.5

22.5 hours