Associate in Science

Computer Information Systems (EB60) 2015-2016 Catalog

This program provides instruction in business-related computer information technology for persons who wish to upgrade their current professional skills or for those actively seeking employment in various computer positions.

Outcomes:

- Demonstrate understanding of information technology necessary for entry-level employment and advancement.
- Demonstrate desirable attitudes and work habits, including creative thinking, the ability to solve problems, cooperation, good judgment, responsibility and self-reliance.
- Communicate clearly both verbally and in writing.
- Demonstrate knowledge of terminology and structure of various programming languages, personal computers, and the use of software tools in the workplace.
- Troubleshoot common programming and software problems and test for solutions.
- Develop, write, debug, and test simple programs in Visual BASIC and other languages.
- Demonstrate a commitment to professional organizations and continuing education.

Suggested Sequence of Courses:
Prerequisite or parallel courses may be required. Please check individual course descriptions for details.

Freshman Year

ENG* E101	Composition	3
[1] Mathematics	Elective	3-4
[2] CSA* E106	Introduction to Computer Applications	4
Computer Science	Elective	3-4
CSC *E105	Programming Logic	3
ENG* E102	Literature & Composition	3
CSC*	Programming Language Elective	3-4
CST* E184	Network Administration I	3
Behavioral Science	Elective	3
Humanities	Elective	3

Sophomore Year

Fine Arts	Elective	3
CST* E150	Web Design and Development I	3
CST* E210	Operating Systems	3
Science	Elective	3-4
CSC* E231	Database Design I	3
CST* E231	Data Communications & Networks (Fall only)	3
ECN* E101	Principles of Macro-Economics	3
or		
ECN E102*	*Principles of Micro-Economics*	
[2] Computer Science (2 courses)	Electives	6-8
BBG* E210	Business Communication	3

Total Credits: **61-67**

[1] Must be one of the following: MAT* E137, MAT* E186, MAT* E254

[2] Computer Science electives must be selected in consultation with the program advisor based on student's concentration. Applications – hardware – programming – networking - graphics.

Note: A minimum of 15 credits must be taken in 200-level courses