

## Computer Science – Information Technology (A.A.S.)

Curriculum Code: 0581

Semester Hours Required for Graduation: 62

### PROGRAM GOALS:

This program trains students as Information Technology specialists. Graduates will be prepared for employment in the IT departments in retailing, banking, insurance, education, health organizations, public utilities, private industry, and government.

### PROGRAM LEARNING OUTCOMES:

- Identify and demonstrate understanding of computer terminology.
- Recognize and analyze a problem to formulate and implement a solution.
- Demonstrate competency in the use of contemporary technology.
- Write effectively and verbally communicate technically with clients and peers.

### ACADEMIC PREPARATION:

It is highly recommended that the following criteria be met to begin this program, and it is **REQUIRED** by the completion of 24 credits:

12th-grade reading level is required. Placement test scores must indicate readiness to begin EN 101-Composition.

Must be prepared to take CI 105. If not, CI 101 is required for admission to the program.

Competency in Pre-Algebra or Pre-Statistics is required.

### LIBERAL ARTS REQUIREMENTS

22 Semester Hours

EN 101	Composition	3
EN 102	Composition and Literature or	
EN 105	Technical Writing	3
HU ELE	Humanities Elective	3
MA 110	College Algebra	4
SC ELE	Science Elective	3
SL ELE	Social Science Electives	6

### PROGRAM REQUIREMENTS

40 Semester Hours

CE 101	College Experience	1
CI 105	Computer Applications	3
CS 125	Web Authoring	3
CS 134	Computer and Informatics Science I	4
CS 156	Networking Essentials	3
CS 203	Database Concepts	3
CS 205	Systems Analysis	3
CS 211	PC/Computer Hardware	3
CS ELE	Computer Science Electives	12
GN ELE	General Electives	5

**Minimum Credits** **62**

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### SUGGESTED PROGRAM SEQUENCE

#### *1st Semester*

CE 101	College Experience	1
CI 105	Computer Applications	3
CS 134	Computer and Informatics Science	
	I	4
EN 101	Composition	3
CS 156	Networking Essentials	3
HU ELE	Humanities Elective	3
Total		17

#### *2nd Semester*

CS 125	Web Page Authoring	3
CS ELE	Computer Science Elective	3
EN 102	Composition and Literature	
	or	
EN 105	Technical Writing	3
GN ELE	General Elective	3
MA 110	College Algebra	4
Total		16

#### *3rd Semester*

CS 211	PC Hardware	3
CS 203	Database Concepts	3
CS ELE	Computer Science Elective	3
GN ELE	General Elective	2
SL ELE	Social Science Elective	3
Total		14

#### *4th Semester*

CS 205	Systems Analysis	3
SL ELE	Social Science Elective	3
CS ELE	Computer Science Electives	6
SC ELE	Science Elective	3
Total		15

\*AR 140, AR 205, AR 245, AR 250 and CJ 135 may be used as CS Electives. Students should consult with their advisor prior to the selection of these courses.