COMPUTER INFORMATION SYSTEMS - CERTIFICATE OF COMPLETION

(19 credits)

A Suggested Plan of Study

The contents of this roadmap may vary depending on initial student placement in mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

NOTE: Students must complete all University certificate requirements to total at least 19 credits.and must achieve a cumulative grade-point average of at least 2.0. Developmental coursework will not count towards the degree requirements and/or elective credits. If a student has no basic typing skills, OATS 101 Keyboarding Basics is a prerequisite for all CTEC, CSEC, and OECS courses. A grade of C- or better is required in ENGL 1110G Composition I and designated Mathematics courses.

Semester 1		Credits
CTEC 130	Linux Workstation	3
or OECS 204	or Linux Operating System	
CTEC 140	Introduction to Database Design	3
or OECS 220	or Database Application and Design	
CTEC 152	JAVA Programming	3
or OECS 195	or Java Programming I	
	Credits	**9**
Semester 2		
CTEC 145	Introduction to Database Management	3
CTEC 158	Visual Basic Programming	3
or CTEC 150	or Mobile Application Programming	
or OECS 155	or Special Topics - Introductory Computer Technology	
CTEC 180	Introduction to Networking	4
or OECS 261	or Introduction to Networks	
	Credits	**10**
	Total Credits	**19**