

Computer Information Technology Certificate (CIP 11.0201)

281-756-3822

Articulated Credit

Purpose: The Certificate of the Computer Information Technology program is designed primarily for students seeking employment with organizations that use computers to process, manage, and communicate information. Emphasis is placed on the use of computer languages in the solution of business and scientific problems, design and development of Web pages, desktop computer hardware and software support, and installation and maintenance of networks.

Program Requirements: Upon satisfactory completion of the two-semester curriculum, with an overall 2.0 grade point average for all computer courses attempted, the student will be awarded the Certificate in Computer Information Technology.

<i>Course Number</i>	<i>Course Title</i>	<i>Credits</i>
First Semester		
BCIS 1305	Business Computer Applications	3
ITSE 1331	Introduction to Visual Basic Programming	3
ITNW 1358	Network+	3
ITMT 1302	Windows Seven Configuration	3
Second Semester		
* COSC 1436	Programming Fundamentals I - C++ Programming	4
ITNW 1325	Fundamentals of Networking	3
Elective	Select from the Computer Elective list below.	10

Total Credits Required for Computer Information Technology Certificate29

Computer Elective List:

- | | |
|---|--|
| COSC 1437 Programming Fundamentals II - JAVA | GAME 1436 Introduction to 3D Gaming Modeling |
| ITSE 2431 Advanced C++ Programming | GAME 2409 Video Game Art II |
| COSC 2436 Programming Fundamentals III - Oracle | ITNW 1313 Computer Virtualization |
| ITSE 2409 Database Programming | ITSC 1305 Introduction to PC Operating Systems |
| ITSW 1404 Introduction to Spreadsheets | ITSC 1325 Personal Computer Hardware |
| IMED 2415 Web Design | ITMT 2351 Windows Server 2008: Server Admin |

* Capstone Course

This plan provides courses for preparation for the following certifications:

- CompTIA Network+ Certification (ITNW 1358 and ITNW 1325)
- Microsoft Certified IT Professional (MCITP) Certification (ITMT 1302)