

**Computer Information Technology - Computer Programming Certificate** (CIP 11.0201)  
**281-756-3822**

**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, the student will be awarded the Certificate in Computer Information Technology.

<i>Course Number</i>	<i>Course Title</i>	<i>Credits</i>
<b>First Semester</b>		
BCIS 1305	Business Computer Applications	3
ITMT 1302	Windows Seven Configuration	3
ITNW 1358	Network+	3
ITSE 1331	Introduction to Visual Basic Programming	<u>3</u>
		<b>12</b>
<b>Second Semester</b>		
* COSC 1436	Programming Fundamentals I - C++ Programming	4
Elective	Select from the Computer Elective list below.	10
ITNW 1325	Fundamentals of Networking	<u>3</u>
		<b>17</b>
Total Credits Required for Computer Information Technology Certificate .....		<b>29</b>

**Computer Elective List:**

- |   |  |
|---|--|
| COSC 1437 Programming Fundamentals II - JAVA<br>COSC 2436 Programming Fundamentals III - Oracle<br>ITSE 2409 Database Programming<br>ITSW 1404 Introduction to Spreadsheets | IMED 2415 Web Design<br>ITNW 1313 Computer Virtualization<br>ITSC 1305 Introduction to PC Operating Systems<br>ITMT 2351 Windows Server 2008: Server Admin |
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\* Capstone Course

This plan provides courses for preparation for the following certifications:

- CompTIA Network+ Certification (ITNW 1358 and ITNW 1325)
- Microsoft Technical Associate (MTA) Certification (ITMT 1302)