

INFORMATION SYSTEMS TECHNOLOGY: MICROCOMPUTER APPLICATIONS (221-299-03)

This certificate is designed to prepare students for employment in business where there is a need for individuals with skills using word-processing, spreadsheet, database, and presentation software.

<u>Course #</u>	<u>Course Title</u>	<u>Credits</u>
ITD 110	Web Page Design I	3
ITD 130	Database Fundamentals	3
ITE 119	Information Literacy	3
ITE 120	Principles of Information Systems	3
ITE 140	Spreadsheet Software	3
ITE 170	Multimedia Software	3
ITE 215	Advanced Computer Applications and Integration	3
AST 253	Advanced Desktop Publishing I	3
Total Minimum Credits		24

*IT courses must be taken within the last 5 years to apply to graduation

For more information about this career studies certificate, contact the **Business, Public Services and Social Sciences Division** in room 122 Diggs Hall, 757/825-2900, or at www.tncc.edu.

INFORMATION SYSTEMS TECHNOLOGY: SOFTWARE DEVELOPMENT (221-299-01)

This certificate is designed to prepare students for employment in business as applications programmers in command-line and GUI level programming.

<u>Course #</u>	<u>Course Title</u>	<u>Credits</u>
ITD 130	Database Fundamentals	3
ITP 100	Software Design	3
ITE 221	PC Hardware and OS Architecture	3
ITN 100	Introduction to Telecommunications	3
ITP 112	Visual Basic Programming I or	
ITP 120	Java Programming I	4
ITP 212	Visual Basic Programming II or	
ITP 220	Java Programming II	4
ITP 251	Systems Analysis and Design	3
ITP 258	Systems Development Project	3
Total Minimum Credits		26

*IT courses must be taken within the last 5 years to apply to graduation

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