

# INFORMATION SYSTEMS TECHNOLOGY (299-06)

## SPECIALIZATION IN SOFTWARE DEVELOPMENT

**Purpose:** This program prepares students for entry-level employment in information technology software development-related positions. The courses are offered in day and evening sessions. Some courses are offered on weekends and most IT courses are available through distance learning.


**Program Entrance Requirements:** COMPASS placement test scores in writing, reading and mathematics are used for initial placement in English, mathematics and required program courses. Additionally, students should be proficient in basic keyboarding before entering this program.

**Dual Enrollment:** Some IT courses may be available through dual enrollment in Hampton, York County, Newport News, Poquoson and Williamsburg/James City County. See your guidance counselor or call the College Outreach and Recruitment Director at 757/825-2801.

**Certifications:** The College does not require certifications as part of the degree program; however, students may be eligible for various certifications after successful completion of specific courses. Contact the program head for additional information.

**Job Placement:** Assistance in job placement is provided through the College's Career Center upon completion of the degree program.

**Transfer:** This degree program is not designed for transfer to a four-year program; however, graduates of this program may have the opportunity to transfer into certain four-year programs. For further information, contact the College Academic Planning and Transfer Center or the program head.



Tech Prep Career Pathways is a comprehensive program of specific Career Pathways that provides a seamless transition for students from secondary to postsecondary education and the skilled workforce, and that positions students for high wage, high demand, and/or high skill careers. Students who choose to take a course that is part of a Tech Prep Career Pathway, may receive college credit as well as high school credit for successful completion of the course, through the Dual Enrollment program. Please contact the Office of Outreach and Recruitment, 757-825-2905 for information on the list of courses, their availability, and the dual enrollment application/enrollment process.

For more information, contact the **Business, Public Services and Social Sciences Division** in room 122 Diggs Hall, 757/825-2900, or at [www.tncc.edu](http://www.tncc.edu).

### GENERAL EDUCATION COURSES

Course #	Course Title	Credits
ENG 111	College Composition I	3
ENG II	English II or <sup>2</sup>	
SPD	Speech	3
---	Humanities /Fine Arts Elective	3
PSY 200	Principles of Psychology	3
MTH 158	College Algebra <sup>3</sup>	3
ITE 119	Information Literacy	3
HLT/PED	Health or Physical Education Elective(s)	2
SDV 100	College Success Skills	1
<b>Total General Education Course Credits</b>		<b>21</b>

### MAJOR AND OTHER COURSES

Course #	Course Title	Credits
---	Business Elective <sup>4</sup>	3
BUS 100	Introduction to Business	3
BUS 201	Organizational Behavior or	
BUS 270	Interpersonal Dynamics in the Business Organization	3
ITD 130*	Database Fundamentals	3
ITE 120	Principles of Information Systems	3
ITE 221*	PC hardware and OS Architecture	3
ITE 130	Introduction to Internet Services	3
ITN 100*	Introduction to Telecommunications	3
ITP 212*	Visual Basic.NET II	4
ITP 220*	Java Programming II	4
ITP 251*	Systems Analysis and Design	3
ITP 258*	Systems Development Project <sup>5</sup>	3
IT ---	Degree Related Electives <sup>6</sup>	10
<b>Total Major and Other Course Credits</b>		<b>48</b>
<b>Total Minimum Credits</b>		<b>69</b>

<sup>1</sup>IT courses must be taken within the last 5 years to apply to graduation.

<sup>2</sup>Select from ENG 112 or ENG 115 or SPD 100 or SPD 126 or SPD 227.

<sup>3</sup> MTH requirement may be met by completing MTH 158 or higher.

<sup>4</sup> Select from any BUS or ACC course in the catalog.

<sup>5</sup>To be taken only after the student has completed at least 18 hours of IT coursework.

<sup>6</sup>ITP 112, ITP 100 and ITP 120 are prerequisites for ITP 212 and ITP 220; taking these courses will apply to your electives. ITE 197/297 Cooperative Education may be applied as a degree related elective.

\*NOTE: The successful completion of these courses along with ITP 100 will qualify the student for a Career Studies Certificate (26 credits) in Software Development.