

INFORMATION SYSTEMS TECHNOLOGY (299-02)

SPECIALIZATION IN CISCO NETWORKING

Purpose: This program prepares students for entry-level positions, specifically with microcomputer, mainframe, and network operating systems. 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 who complete this program are eligible for CISCO network certification. 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. Students planning to transfer to a four-year institution should meet with the program head before registering for their second semester. For further information, contact the Academic Planning and Transfer Center at 757/825-3647 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.

GENERAL EDUCATION COURSES

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

MAJOR AND OTHER COURSES

Course #	Course Title	Credits
---	Business Elective ⁴	3
BUS 100	Introduction to Business	3
BUS 201	Organizational Behavior or	
BUS 270	Interpersonal Dynamics in the Business Organization	3
ITE 120	Principles of Information Systems	3
ITE 221	PC Hardware and OS Architecture	3
ITN 100	Introduction to Telecommunications	3
ITN 155*	Introductory Routing CISCO ⁵	4
ITN 157*	WAN Technologies CISCO ⁵	4
ITP 100	Software Design	3
ITP 112	Visual Basic.NET. I	4
ITP 258	Systems Development Project ⁶	3
IT ---	Degree Related Electives ⁷	11
Total Major and Other Course Credits		47
Total Minimum Credits		68

¹IT courses must be taken within the last 5 years to apply to graduation.

²Select from ENG 112 or ENG 115 or SPD 100 or SPD 126 or SPD 227.

³MTH requirement may be met by completing MTH 158 or higher.

⁴Select from any BUS or ACC course in the catalog.

⁵ITN 154* and ITN 156* serve as prerequisites for ITN 155 and ITN 157 in this curriculum. Taking ITN 154* and ITN 156* will apply to electives. ITN 171 UNIX is also recommended as an IT elective.

⁶To be taken only after the student has completed at least 18 hours of IT coursework.

⁷Select from any IT course in the catalog. ITE 197/297 Cooperative Education may be applied as a degree related elective.

*NOTE: The successful completion of these courses will qualify the student for a Career Studies Certificate (16 credits) in CISCO Networking.