COMPUTER STUDIES AND INFORMATION PROCESSING, NETWORKING TECHNICIAN - CERTIFICATE

NWTC

Knight Campus, Warwick only

Networks continue to expand in all aspects of our personal activities in business, manufacturing, education and health care. This concentration provides a balanced coverage of technology fundamentals and networking technology. Emphasis is placed on operating principles, networking models, operating systems, internetworking components and industry standards, along with hands-on laboratory activities for developing practical problem-solving skills. Students develop the ability to configure local area networks (LANs) and internetworks using routers and switches. Courses that prepare the student to sit for the Cisco CCENT and CCNA exams are integrated into the program.

Note: Students in this program must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Credits earned in this certificate program can be applied toward the Networking Technology associate degree program. Many courses require prerequisites, corequisites and/or testing. See course descriptions for details (https://catalog.ccri.edu/course-descriptions/).

Program Learning Outcomes

Upon completion of this program, a student will be able to:

1. Show preparation for international certifications.
2. Research information and technologies.
3. Identify with today's business, industry standards.
4. Evaluate information presented in graphical form.
5. Organize ideas to support a position.
6. Translate concepts into current working business environment.
7. Demonstrate oral communications skills such as presentation for an audience, discussions, and debates.
8. Use visual aids effectively to support an oral presentation.
9. Demonstrate writing abilities such as: reports, instructions, and documentation.
10. Exhibits good listening skills when others are speaking, keeping notes, journals.
11. Develop and demonstrate troubleshooting skills.

Certificate Requirements

Code	Title	Hours
CNVT 1810	Networking 1	3
CNVT 1820	Networking 2 [1]	3
CNVT 1830	Networking 3 [2]	3
COMI 1840	Microsoft Windows Server	3
COMI 2037	Foundations of Cybersecurity	3
Choose ONE of the following:		3
CNVT 2100	Basic Voice Over Internet Protocol (VoIP) [3]	
COMI 2020	Network Security Software Fundamentals	
Total Hours		**18**

[1] Networking 1 (CNVT 1810) must be taken prior to Networking 2 (CNVT 1820).
[2] Networking 2 (CNVT 1820) must be taken prior to Networking 3 (CNVT 1830).
[3] Networking 3 (CNVT 1830)must be taken prior to Basic Voice Over Internet Protocol (VoIP) (CNVT 2100).

Recommended Course Sequence

Course	Title	Hours
Summer Session		
CNVT 1810	Networking 1	3
	Hours	**3**
Year 1		
Semester 1		
COMI 1840	Microsoft Windows Server	3
CNVT 1820	Networking 2	3
COMI 2020	Network Security Software Fundamentals [1]	3
	Hours	**9**
Semester 2		
CNVT 1830	Networking 3	3
COMI 2037	Foundations of Cybersecurity	3
	Hours	**6**
	Total Hours	**18**

[1] This course is offered in the Fall semester only.