

## **Computer Networking (Certificate of Technical Studies)**

The Computer Networking Certificate of Technical Studies is an industry-linked program which prepares students for careers in computer networking in the computer science industry. Students gain the knowledge, skills, and abilities for entry into the workforce. Students choosing computer networking as an area of interest may pursue jobs in network security and support.

To receive this certificate, the student must:

- Have a cumulative GPA of 2.00 or better in all credit hours that are to be used towards the degree.
- Earn a “C” or better in major courses, ENGL 1013, CSCI 1923, MATH 1213, approved electives, and courses that are prerequisites for other courses.
- Complete the coursework listed below.

**Program Outcomes. Upon successful completion of the program, the graduate will be able to:**

1. Apply knowledge of the fundamental concepts in computer networking in the workforce.
2. Solve problems using critical thinking skills (analyze, synthesize, and evaluate) independently and in teams.
3. Use technological tools to manage computer networks and data.
4. Comply with established network protocols and policies.
5. Qualify for TestOut Security Pro, Network Pro, and PC Pro certifications.

### **PROGRAM OF STUDY**

<b>First Semester</b>		<b>Credit Hours</b>
ENGL 1013	English Composition I	3
MATH 1213	College Algebra	3
CSCI 1923	Introduction to Computers: Programming Logic and Design	3
CNET 1733	Introduction to PC Operating Systems	3
CNET 2103	Introduction to Computer Networking	3
		<b>15</b>
<b>Second Semester</b>		<b>Credit Hours</b>
CNET 2403	Desktop/Server and Networking Support	3
CNET 2503	PC and Network Security	3
Certificate elective ( <i>see below</i> )		3
Certificate elective ( <i>see below</i> )		3
Certificate elective ( <i>see below</i> )		3
		<b>15</b>
Total Certificate Hours		<b>30</b>

### **Certificate Electives**

*Choose from the following:*

- EETC 2513, Web Development I
- CNET 2603 Wireless Communications
- CSCI 2203 Microcomputer Applications in Business
- CSCI 1933 Software Design and Programming I
- CSCI 1943 Software Design and Programming II

CSCI 2003      Discrete Structures  
CSCI 2103      Intro to Data Structures and Algorithms  
CSCI 2903      Object-Oriented Programming (JAVA)

For more information, contact the Division of STEM at (225) 216-8226.