

## Career Education

### Computer Systems and Networking Technology-TC

Computer Systems and Networking Technicians install, troubleshoot, maintain, and network computer systems for business, education, and industry. This program prepares students to enter occupations that involve networking, computer administration/maintenance, and security. It provides basic networking skills, cybersecurity knowledge, server setup, Linux operation, and virtualization experience. Students who complete this degree will be prepared to sit for nationally recognized certification exams such as the Cisco Certified Networking Associate (CCNA), CompTIA A+, CompTIA Security +, CompTIA Network +, and PC Pro. Skills will be developed by a combination of lectures and hands-on instructional approach with emphasis placed on lab experiences. Technical certificates are available for those students who desire preparation for more immediate entry into the workforce.

#### Technical Certificate Computer Systems and Networking Technology Total Program = 30 Credit Hours

*The fourth digit in the course number indicates the number of credit hours.*

### Requirements - 30 hours

#### First Semester - 15 hours

**First Semester**

CST 1104 Introduction to Computer Hardware/Software

CST 1114 Networking Essentials - Cisco I

CST 1124 Microcomputer Operating Systems

MATH 1013 Technical Mathematics A, B, C, D, E, J, M and V

*Students may take a MATH course higher than MATH 1013B*

**Department**

Computer Systems and Networking Technology

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Mathematics

#### Second Semester - 15 hours

**Second Semester**

ENG 1003 Freshman English I

CST 1134 Router Technologies - Cisco II

CST 2134 Local Area Network I

**Department**

English

Computer Systems and Networking Technology

Computer Systems and Networking Technology

**Second Semester**

Choose one elective CST course from the elective pool below.

**Department**

CST	1154	Computer Coding	Computer Systems and Networking Technology
CST	1234	Database Technology	Computer Systems and Networking Technology
CST	1354	Computer Forensics Essentials	Computer Systems and Networking Technology