

Career Education

Computer Systems and Networking Technology-AAS

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.

Associate of Applied Science

Computer Systems and Networking Technology

Total Program = 60 Credit Hours

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

University Requirement - 1 or 3 hours

University Requirement

The 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count toward electives.

Department

| | | |
|-----------|------------------------------------|------------|
| UNIV 1001 | Principles of Academic Success I | University |
| UNIV 1003 | Principles of Academic Success III | University |

First Year

First Semester - 15 hours

First Year, First Semester

| | | Department |
|-----------|---|--|
| CST 1104 | Introduction to Computer Hardware/Software | Computer Systems and Networking Technology |
| CST 1114 | Networking Essentials - Cisco I | Computer Systems and Networking Technology |
| CST 1124 | Microcomputer Operating Systems | Computer Systems and Networking Technology |
| MATH 1013 | Technical Mathematics A, B, C, D, E, J, M and V | Mathematics |

CST 1104 (Introduction to Computer Hardware/Software), CST 1114 (Networking Essentials - Cisco I), and CST 1124 (Microcomputer Operating Systems) have lab hours in addition to lecture hours.

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

Second Semester - 15 hours

First Year, 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

First Year, Second Semester

CST Elective
Choose one CST course from the elective pool below

Department

Second Year

First Semester - 15 hours

Second Year, First Semester

ENG 1013 Freshman English II
CST 2114 Advanced Router Technologies - Cisco III

CST 2174 Local Area Network II

CST 2234 Introduction to Security

Department

English
Computer Systems and Networking
Technology
Computer Systems and Networking
Technology
Computer Systems and Networking
Technology

Second Semester - 15 hours

Second Year, Second Semester

CST 2124 Wan Technologies - Cisco IV

Department

Computer Systems and Networking
Technology

Second Year, Second Semester

Two CST Elective Courses
Choose two CST Elective Courses from the pool below

Department

Second Year, Second Semester

Select one Social Science course from the departments below
HIST (History), SOC (Sociology), POSC (Political Science), ECON (Economics), PSY (Psychology), or GEOG (Geography)

Department

CST Elective Pool

CST Electives*

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 |
| CST | 2194 | Microcomputer Systems Installation and Troubleshooting | Computer Systems and Networking Technology |
| CST | 2474 | Microcomputer Systems Installation & Troubleshooting w/Inter | Computer Systems and Networking Technology |
| CST | 2484 | System Virtualization | Computer Systems and Networking Technology |