



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—1 HOUR or 3 HOURS

UNIV	1001	Principles of Academic Success I
UNIV	1003	Principles of Academic Success III

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

University
University

COMPUTER SYSTEMS AND NETWORKING TECHNOLOGY REQUIREMENTS

* These courses have lab hours in addition to lecture hours.

FIRST YEAR

First Semester—15 HOURS

CST	1104	Introduction to Computer Hardware/Software*
CST	1114	Networking Essentials-Cisco I*
CST	1124	Microcomputer Operating Systems*
MATH	1013	Technical Mathematics (or higher)

Department

Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech
Mathematics

Second Semester—15 HOURS

ENG	1003	Freshman English I
CST	1134	Router Technologies-Cisco II*
CST	2134	Local Area Network I*
CST Elective (choose a course from the elective pool below)		

Department

English
Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech

SECOND YEAR

First Semester—15 HOURS

ENG	1013	Freshman English II
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Department

English

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College Catalog 2023-24

CST	2114	Advanced Router Technologies-Cisco III*
CST	2174	Local Area Network II*
CST	2234	Introduction to Security*

Second Semester—15 HOURS

CST	2124	WAN Technologies-Cisco IV*
CST Elective (choose a course from the elective pool below)		
CST Elective (choose a course from the elective pool below)		
<i>Select one social science course from the following departments.</i>		

HIST
SOC
POSC
ECON
PSY
GEOG

CST Electives

CST	1154	Computer Coding
CST	1234	Database Technology
CST	1354	Computer Forensics Essentials*
CST	2194	Microcomputer Installation and Troubleshooting*
CST	2474	Microcomputer Install/Troubleshooting w/Internship*
CST	2484	System Virtualization*
CIS	2004	Programming Concepts

Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech

Department

Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech

History
Sociology
Political Science
Economics
Psychology
Geography

Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Sys/Net Tech
Comp Info Systems