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   **Department**

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

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.

COMPUTER SYSTEMS AND NETWORKING TECHNOLOGY REQUIREMENTS

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

FIRST YEAR

First Semester—15 HOURS   **Department**

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

Second Semester—15 HOURS   **Department**

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

SECOND YEAR

First Semester—15 HOURS   **Department**

ENG	1013	Freshman English II	English

CST	2114	Advanced Router Technologies-Cisco III*	Comp Sys/Net Tech
CST	2174	Local Area Network II*	Comp Sys/Net Tech
CST	2234	Introduction to Security*	Comp Sys/Net Tech

Second Semester—15 HOURS   **Department**

CST	2124	WAN Technologies-Cisco IV*	Comp Sys/Net Tech
CST Elective (choose a course from the elective pool below)			Comp Sys/Net Tech
CST Elective (choose a course from the elective pool below)			Comp Sys/Net Tech

Select one social science course from the following departments.

HIST	History
SOC	Sociology
POSC	Political Science
ECON	Economics
PSY	Psychology
GEOG	Geography

CST Electives

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

Computer Systems & Networking Technology—TC

TECHNICAL CERTIFICATE
COMPUTER SYSTEMS & NETWORKING TECHNOLOGY

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

Total Program = 30 Credit Hours

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

First Semester—15 HOURS			Department
CST	1104	Introduction to Computer Hardware/Software*	Comp Sys/Net Tech
CST	1114	Networking Essentials-Cisco I*	Comp Sys/Net Tech
CST	1124	Microcomputer Operating Systems*	Comp Sys/Net Tech
MATH	1013	Technical Mathematics (or higher)	Mathematics

Second Semester—15 HOURS			Department
ENG	1003	Freshman English I	English
CST	1134	Router Technologies-Cisco II*	Comp Sys/Net Tech
CST	2134	Local Area Network I*	Comp Sys/Net Tech
CST Elective (choose a course from the elective pool below)			Comp Sys/Net Tech
CST	1154	Computer Coding	Comp Sys/Net Tech
CST	1234	Database Technology	Comp Sys/Net Tech
CST	1354	Computer Forensics Essentials*	Comp Sys/Net Tech