

ACADEMIC CERTIFICATE

Computer Systems Technology

CST.CT

CODE	COURSE	CREDITS
ENG-101	English Composition I	3
CST-102	Introduction to Networking	3
CST-103	Microcomputer Operating Systems I: Workstations	3
CST-106	Microcomputer Operating Systems II: Server Systems	3
CST-109	Building, Upgrading, and Repairing Personal Computers	3
CST-201	Advanced Networking	3
CST-204	Computer and Network Security	3
EET-101	Electrical and Electronic Principles	4
EET-221	Digital Circuits	3
.....	General Education Elective	3
.....	Computer Information Systems Elective or	
.....	Technical Elective or	
EGR-208	Co-op I: Engineering I	3/4
	Total Minimum Credits	34

PROGRAM DESCRIPTION

The Computer System Technology (CST) certificate combines training in the design, implementation and maintenance of microcomputer hardware with operating systems and network systems management and administration.

PROGRAM GOALS

- To prepare students to qualify for entry-level employment as a Microcomputer Technician, Systems Administrator, Network Manager, Technical Support Specialist, and related jobs in the computer support and networking fields.
- To provide students with a General Education foundation.
- To provide students for the following industry certifications:
 - A+
 - Network +
 - Security +
 - Cisco CCENT

PROGRAM STUDENT LEARNING OUTCOMES

At the end of the program, the graduate will be able to:

1. Apply the principles of modern microcomputer operating systems, network architecture, hardware architecture, and subsystems to network, repair and manage operating systems.
2. Solve basic network design and application problems using knowledge of common network architectures and network software.
3. Utilize electronic principles and digital electronics necessary to diagnose, troubleshoot, and repair computer and network hardware problems.

EMPLOYMENT OPPORTUNITIES

- Computer service engineering technician
- Computer systems technician
- Network manager
- Technical control specialist

CONTACT PERSON

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