

Academic Certificate Computer Systems Technology

CST.CT

| FIRST YEAR/FIRST SEMESTER | | | |
|-----------------------------------|---|----------------|--|
| Course # | Course Name | Credits | Notes |
| ENG-101 | English Composition I | 3 | Must test into ENG-101 or complete all appropriate prerequisites |
| CST-102 | Introduction to Networking | 3 | |
| CST-103 | Microcomputer Operating Systems I: Workstations | 3 | |
| CST-106 | Microcomputer Operating Systems II: Server Systems | 3 | Prerequisite: CST-103 |
| CST-109 | Building, Upgrading, and Repairing Personal Computers | 3 | |
| FIRST YEAR/SECOND SEMESTER | | | |
| CST-201 | Advanced Networking | 3 | Prerequisite: CST-102 |
| CST-204 | Computer and Network Security | 3 | Prerequisite: CST-102; Co-requisite: CST-109 |
| EET-105 | Introduction to Electricity & Electronics | 3 | |
| CST-212 | Advanced Routing and Switching | 3 | Prerequisite: CST-201 |
| ELECTIVE | General Education Elective | 3 | |
| ELECTIVE | Computer Information Systems Elective | | |
| or ELECTIVE | Technical Elective | 3 | |
| TOTAL CREDITS | | 33 | |

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 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.

CONTACT PERSON

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THIS PROGRAM IS NOT APPROVED FOR FINANCIAL AID