
Computer Technology – Certificate of Achievement

Units: 36

(State Code: 21624; TOP Code: 093410; Academic Plan: C021624D)

The Computer Technology certificate of achievement prepares students for a career as a technician in digital electronics technology in all branches of the industry, from manufacturing to testing and service. The program gives students hands-on experience that can be extremely useful for students who decide to continue their education with a bachelor's degree in computer or electrical engineering.

PROGRAM STUDENT LEARNING OUTCOMES

1. Describe the electrical and logical characteristics and operation of processors, memory, and control systems.
2. Design and draw schematics or a simple embedded system.
3. Design a simple motor control system.

PROGRAM REQUIREMENTS

Requirements for the Computer Technology certificate of achievement may be met by completing 36 units of required courses with a grade of "C" or better.

REQUIRED COURSES (36 UNITS)

CIS 101	(FORMERLY CO SCI 101) INTRODUCTION TO COMPUTERS AND THEIR USES	3
CO TECH 002	INTRODUCTION TO ELECTRONICS	3
CO TECH 005	FUNDAMENTALS OF ELECTRONICS I	4
CO TECH 006	FUNDAMENTALS OF ELECTRONICS II	4
CO TECH 007	ELECTRONIC DEVICES	4
CIS 212	(Formerly COTECH 012) INTRODUCTION TO COMPUTER-HARDWARE	3
CIS 213	(Formerly COTECH 014) INTRODUCTION TO COMPUTER-SOFTWAREWARE	3
CO TECH 020	COMPUTER LOGIC AND ARITHMETIC	4
CO TECH 030	INTRODUCTION TO MICROPROCESSORS	4
CO TECH 036	DIGITAL DEVICES AND CIRCUITS	4