
Computer Technology – Associate of Science (AS) Degree

Major Units: 36 *Total Units: Minimum of 60*

(State Code: 08229; TOP Code: 093410; Academic Plan: C008229C)

The Computer Technology AS degree 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 for a simple embedded system.
3. Design a simple motor control system.

PROGRAM REQUIREMENTS

Requirements for the Computer Technology Associate of Science degree may be met by completing: (a) 36 units of major core courses with a grade of "C" or better; (b) all general education requirements (English and Math must be completed with a grade of "C" or better); (c) a minimum of 60 degree-applicable units with a cumulative grade point average of 2.0 or higher; and (d) a minimum of 12 units must be taken at LACC.

MAJOR CORE COURSES (36 UNITS)

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| 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 |