
SECTION HEADING

CST 2110: Introduction to Hardware

Description

Introduction to Hardware introduces computer hardware components and explains how they work together to make computers functional. Also includes procedures for disassembling and reassembling different classes of computers, troubleshooting, and repair.

Credits

3

Topics to be Covered

1. Microprocessors
2. Random Access Memory (RAM)
3. Motherboards and BIOS
4. Power supplies
5. Disk drives

Learning Outcomes

1. Identify PC components.
2. Perform AC/DC voltage measurements.
3. Calculate power supply requirements.
4. Diagnose computer problems.
5. Calculate RAM volume, banks and module types for upgrades.
6. Determine expansion card upgrade needs.
7. Install and configure master/slave hard drives.
8. Assemble and disassemble personal computers.

Credit Details

Lecture: 2

Lab: 1

OJT: 0