

CTS 220 Hardware Install and Maintenance

Credit Hours	Lecture Hours	Lab Hours	Prerequisite or Corequisite
3	4		None

CATALOG DESCRIPTION

This course provides advanced knowledge and competencies in hardware and operating system technologies for computer technicians to support personal computers. Emphasis is placed on: configuring and upgrading; diagnosis and troubleshooting; as well as preventive maintenance of hardware and system software. Upon completion, students should be able to install, configure, diagnose, perform preventive maintenance, and maintain basic networking on personal computers.

REQUIRED RESOURCES

Textbook(s)

A+ Guide to Managing & Maintaining Your PC Sixth Edition by Jean Andrews

Materials

128Mb or > USB Thumb drive (required) and PC Toolkit (not required but recommended)

Technology

none

LEARNING OBJECTIVES

- 1 Identify all parts of PC subsystems
- 2 Identify and troubleshoot common and advanced PC hardware problems
- 3 Design, Plan, and be able to construct PCs from varied components
- 4 Select quality PCs and constituent components based on performance and cost
- 5 Install, replace, and upgrade PC hardware components
- 6 Install and troubleshoot PC operating systems and application

COURSE DELIVERY METHODS

If this course is taught as an online, hybrid, or web enhanced course; the course will require access to the PCC Blackboard learning system via the Internet. Students are expected to login to the Blackboard course **AT LEAST 3 times per week**. Students are also expected to use the PCC Campus Cruiser web mail system to correspond with the instructor and **check email at least once every 24 hours Monday – Friday**.

COURSE SPECIFIC INFORMATION

Complete syllabus with due dates, attendance policies, and other information is provided by the instructor for the course.

Last Updated July, 2007