

COURSE OUTLINE
ELEN 141
Introduction to PC Operation and Repair
4 Semester Hours

The Community College of Baltimore County

Description

Introduction to PC Operation and Repair

Provides an introduction to the ever-expanding microcomputer field; focuses on microcomputer operating systems, broad concepts, and diagnostic tools that allow the student to rapidly determine the condition of a PC system and how best to rectify a fault.

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Identify different internal and external components of a microcomputer.
2. Identify different types of buses.
3. Identify the safety hazards involved in working with electronic equipment.
4. Install and effectively use DOS commands and utilities.
5. Install and configure the Windows operating system.
6. Use documentation, software diagnostics, tools, and parts to make repairs to microcomputer equipment.

Major Topics

1. Microcomputer Fundamentals
2. PC Hardware
3. Troubleshooting the System
4. PC Operating Systems

Course Requirements

Grading/exams: Procedures for grading will be determined by the individual faculty member; there will be a *minimum* of 10 graded assignments. A final examination is required. Other graded assignments may come from any combination of the following categories: quizzes, hourly exams, a midterm exam, group projects, individual reports/presentations, or lab projects.

Other Course Information

This course is a program requirement for the Network Certification Degree Option and a requirement for CCBC's A+ Certificate program. This course, along with ELEN 232 and ELEN 236, prepares students for the hardware level of A+ certification offered by the

Computer Industry Association.