

Common Course Outline
DCOM 141
Introduction to PC Operation and Repair
4 Credits

Community College of Baltimore County

Description

DCOM 141 – Introduction to PC Operation and Repair is a course in which students are introduced to the support of basic Information Technology (IT) infrastructure, including endpoint management, advanced device connectivity troubleshooting, and basic networking. Students configure and support Personal Computer (PC), mobile, and Internet of Things (IOT) device hardware and implement basic data backup and recovery methods. Best practices for data storage and management are reviewed.

4 Credits

Prerequisites: CSIT 101 or consent of the program coordinator

Overall Course Objectives

Upon completion of this course students will be able to:

1. configure a laptop and its components;
2. compare the characteristics of various mobile devices;
3. configure mobile devices and accessories;
4. contrast network protocols, hardware and connection types;
5. configure wired and wireless networks;
6. explain basic computing hardware and components;
7. describe cloud computing concepts;
8. configure client-side virtualization; and
9. demonstrate common computing troubleshooting techniques.

Major Topics

- I. Hardware Components
- II. Troubleshooting
 - A. Hardware
 - B. Networking
- III. Storage Devices
- IV. Networking
- V. Mobile Devices
 - A. Installation
 - B. Configuration
- VI. Virtualization
- VII. Cloud Computing

Course Requirements

Grading will be determined by the individual faculty member but will include the following:

Grading/exams

- A minimum of five lab projects
- A minimum of two exams.

Written Assignments: Students are required to use appropriate academic resources.

Other Course Information

This course is the first course in a two course series that prepares students to take the CompTIA A+ Core 1 Exam.

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