Virginia Western Community College
ITN 107
Personal Computer Hardware and Troubleshooting

Prerequisites
none

Course Description
Personal Computer Hardware and Troubleshooting   Includes specially designed instruction to give a student a basic knowledge of hardware and software configurations. Includes the installation of various peripheral devices as well as basic system hardware components.

Semester Credits: 3   Lecture Hours: 3   Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:
A+ Guide to Managing & Maintaining Your PC (with 2 terms (12 months) Printed Access Card) 8th Edition, Jean Andrews, Cengage, 9781133135081

Other Required Materials:
none

Course Outcomes

At the completion of this course, the student should be able to:

- Describe the basic concepts of electricity
- Identify and discuss power needs of a PC and individual components
- Troubleshoot, select and replace a power supply
- Protect yourself and equipment against electrical dangers

Topical Description

1. Power
2. Processors
3. Memory
4. Motherboards
5. Role of BIOS/CMOS
6. Busses

7. Device drivers and system resource
8. Storage devices
9. Peripheral devices
10. Preventive maintenance principles

Notes to Instructors

- This course maps to the CompTia A+ certification