

Alexandria Technical and Community College

CVNP 2626: Computer Hardware

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 1

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Throughout this course students will learn all of the technical skills necessary to become an A+ certified technician. These skills will be learned through a series of hands-on lab exercises designed to teach and improve personal computer (PC) configuration and troubleshooting skills that are necessary to function as a PC support or helpdesk technician.

B. COURSE EFFECTIVE DATES: 01/09/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Introduction to the personal computer
2. Lab procedures and tool use
3. Computer assembly and disassembly
4. Overview of preventative maintenance
5. Install an operating system
6. Configure computer networks
7. Understand the role of laptop computers in a business
8. Identify the need for mobile devices
9. Explain the role of printers in business
10. Understand computer security practices
11. Describe the role of the Information Technology (IT) professional
12. Advanced troubleshooting

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate an understanding of Information Technology (IT) and describe the components of a personal computer.
2. The learner will demonstrate an understanding of preventative maintenance and identify the elements of the troubleshooting process.
3. The learner will demonstrate an understanding of the configuration process of connecting computers to an existing network.
4. The learner will demonstrate an understanding of the application of good communication skills and professional behavior while working with customers.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted