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 and 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