



COURSE INFORMATION SHEET

Note: If a more detailed, instructor/section-specific course information sheet is required, please contact the department.

DEPARTMENT:

Business Administration/Economics

COURSE:

CIS110 A+ PC Repair and Operating Systems

COURSE DESCRIPTION:

This course is designed to prepare the student to support personal computers. Students build a desktop personal computer component by component, install and configure multimedia, networking, and mass storage devices, install and configure a connection to a local area network, develop hardware troubleshooting skills, learn how to troubleshoot Microsoft® Windows® operating system problems, and learn how to optimize the Windows operating system for improved performance. Students also install and work with a non-Windows operating system on the same personal computer. A student who completes this course will be eligible to sit for an A+ certification exam in PC maintenance and repair. Two class hours. Two lab hours. 3 Credits.

COURSE PREREQUISITES:

CIS 100 or CSC 101 or CPT 114, each with a grade of C or better

COURSE LEARNING OUTCOMES:

1. Convert signed numbers between the decimal, binary and hexadecimal number systems.
2. Identify the basic components of a personal computer system.
3. Describe the functions of the key components of a personal computer system.
4. Describe the steps involved in the booting process.
5. Describe how memory is managed in a personal computer.
6. Describe the method of data storage for secondary storage devices in a personal computer.
7. Install the basic functional components of a local area network.
8. Use Microsoft® Windows® operating systems Performance and Maintenance Administrative tools.
9. Communicate research results from the evaluation of personal computer components.
10. Compare the functions of various operating systems for a personal computer..