

University of Arkansas - Fort Smith
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General Syllabus

CPSI 11133 Cyber Devices I

Credit Hours: 3

Lecture Hours: 1

Laboratory or other types of Hours:4

Prerequisite: None

Effective Catalog: 2021-2022

I. Course Information

A. Catalog Description

Students will identify, assemble, and connect hardware components and devices; install, configure, and secure client operating systems for desktop and mobile devices; and support and troubleshoot client mobile and desktop device issues.

II. Student Learning Outcomes

A. Subject Matter

Upon successful completion of this course, the student will be able to:

1. Analyze and identify hardware components that will interoperate successfully
2. Assemble and/or disassemble a computer device
3. Analyze, identify, install, and configure client operating systems that will function on a given desktop and/or mobile device
4. Describe basic principles of networking
5. Describe basic principles of cybersecurity
6. Troubleshoot issues with client operating systems and hardware.

B. University Learning Outcomes (ULO)

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will analyze and identify hardware components that will interoperate successfully.

Communication Skills (written and oral)

Students will identify and describe problems with client operating systems and hardware in writing and verbally.

Ethical Decision Making

Students will describe ethical dilemmas encountered in business computing networks.

Global and Cultural Perspectives

Students will research and apply network guidelines according to global standards.

III. Major Course Topics

- A. Major hardware components of desktop computers and mobile devices
- B. Major hardware devices used in networking
- C. Compare and contrast desktop configurations
- D. Compare and contrast mobile devices
- E. Basic wired and wireless network connection
- F. Peripherals
- G. Cloud and virtualization