

University of Arkansas - Fort Smith
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General Syllabus

CPSI 11633 Wiring & Cabling

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

Concepts and applied knowledge for designers, installers, and operators of local area networks of computers, security systems, building management systems, distributed antenna systems for cellular and Wi-Fi as well as other applications.

II. Student Learning Outcomes

A. Subject Matter

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

1. Describe and contrast various media used in premises cabling using their relevant characteristics.
2. Analyze customer requirements and make recommendations of selection and implementation of premises cabling.
3. Demonstrate cable preparation, termination, and testing to professional standards.

B. University Learning Outcomes (ULO)

This course enhances student abilities in the following areas:

Analytical Skills

Critical Thinking Skills: Students will analyze and customer requirements and develop a cabling solution for the particular business needs.

Communication Skills (written and oral)

Students will compose coherent documents appropriate to the intended audience.

III. Major Course Topics

- A. Overview of premises cabling systems - copper, fiber and wireless
- B. Premises cabling standards
- C. Copper Cabling types and applications
- D. Fiber-optic cabling type and applications
- E. Cabling for wireless
- F. Installation of premises cabling
- G. Testing the cable plant.