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## SECTION HEADING

### CST 2600: Fundamentals of Wireless Networking

#### Description

Fundamentals of Wireless Networking course provides a broad survey of wireless communications including in-depth coverage of protocols, transmission methods, and IEEE wireless standards. Many hands-on exercises are included, which allow students to practice skills as they are learned.

#### Credits

3

#### Topics to be Covered

1. Wireless Communications
2. Wireless Data Transmission
3. Antennas
4. Introduction to Wi-Fi WLANS
5. WLANs and WLAN Security
6. Radio Frequency Identification and Near-Field Communication

#### Learning Outcomes

1. Describe a wireless LAN.
2. Describe the history of wireless networking.
3. Identify the hardware components of a wireless network.
4. Design a wireless network topology.
5. Describe wireless transmission methods.
6. Configure wireless hardware components.
7. Configure the client and adaptors for a wireless network.
8. Identify antenna types and functions.
9. Describe wireless security.
10. Perform a site survey for a wireless network.
11. Install a wireless network.
12. Describe the duties of a wireless network administrator.

#### Credit Details

Lecture: 2

Lab: 1

OJT: 0