
SECTION HEADING

CST 1440: Advanced Telecommunications

Description

Advanced Telecommunications will expand on the theory and topics from the Telecommunications I class including field experience with central office equipment and cabling. Students will work with broadband communications access systems and software and deploy services over fiber- and copper-based network architectures. In addition, students will become familiar with federal and state regulations and organizations related to the telecommunications industry.

Credits

3

Prerequisite

CST 1400

Topics to be Covered

1. Data center equipment
2. Outside plant
3. Fiber optic networks
4. Legacy equipment
5. Data Center software applications
6. Telecommunication regulations
7. Telecommunications organizations
8. Telecommunications Certification

Learning Outcomes

1. Explain a data center network.
2. Explain the how the outside plant integrates with the data center.
3. Connect communications network components.
4. Configure data center hardware and software.
5. Describe telecommunications regulations.
6. Identify telecommunications organizations.
7. Perform troubleshooting of outside plant technology.
8. Perform troubleshooting of data center technology.

Credit Details

Lecture: 2

Lab: 1

OJT: 0