
SECTION HEADING

CST 1400: Telecommunications I

Description

Telecommunications I will provide students with a broad overview of the telecommunications industry. Including knowledge and understanding of telecommunications history, terminology, tools, cable types, wiring components, basic fiber, coaxial cable, connector types, and basic telecommunications networks. This course prepares the student to be able to identify various equipment and technology in the inside and outside telecommunications plant, including wireless and cellular networks. Some of the latest technologies, including devices associated with the Internet of things are introduced in this course. Students will look at the various careers in telecommunications and future industry trends.

Credits

3

Topics to be Covered

1. The history of telecommunications, Equipment Services and Regulations
2. Current Telecommunication equipment and services Transmission systems
3. Wireless, cellular and communications equipment
4. Computer networking and communication systems
5. Careers in Telecommunications and future trends

Learning Outcomes

1. Describe the history, laws and mergers in the telecommunications industry that shape the industry today.
2. List and describe end user broadband devices and technology.
3. Describe the principles of networks and communication systems.
4. Identify and describe the equipment and functions of the telecommunication's central office and outside plant.
5. Identify and describe cell phone transmission.
6. Describe the devices and technology associated with the Internet of Things, Cloud computing and Virtual computing.
7. List and describe the various careers in Telecommunications.
8. Describe the future of Telecommunications.

Credit Details

Lecture: 2

Lab: 1

OJT: 0