
SECTION HEADING

CST 2108: Structured Communication Systems

Description

Structured communication systems (SCS) students will gain practical experience in implementing many concepts in SCS by installing and terminating various cabling types, configuring voice/data and fire/alarm systems, and other equipment. The student will be able to install various SCS; select and operate the appropriate test equipment to perform test procedures perform routine maintenance; perform minor troubleshooting procedures and repairs; identify and describe industry standards, protocols and safety procedures relating to structured communication systems.

Credits

3

Topics to be Covered

1. Review of Articles in National Electrical Code relating to low Voltage
2. Grounding and Bonding
3. Wiring and Protection
4. Wiring methods and material
5. Equipment for general use in low voltage
6. Special Occupancies, equipment and conditions
7. Communication systems

Learning Outcomes

1. Identify various cable types and terminations.
2. Configure voice/data systems.
3. Describe real-world structured communications implementations.
4. Identify cable qualities from test results and cable specifications.
5. Install various SCS.
6. Select and operate the appropriate test equipment to perform test procedures.
7. Perform routine maintenance.
8. Perform minor troubleshooting procedures and repairs.
9. Identify and describe industry standards, protocols and safety procedures relating to structured communication systems.

Credit Details

Lecture: 2

Lab: 1

OJT: 0