
SECTION HEADING

ELEC 1240: Commercial Wiring

Description

Commercial Wiring investigates the material and design aspects of commercial wiring. Read commercial blueprints. Perform voltage-drop calculations, motor calculations and service installations. Apply requirements of the N.E.C. as it relates to commercial wiring.

Credits

5

Prerequisite

ELEC 1200

Topics to be Covered

1. Commercial blueprints
2. Motor conductor size, overcurrent, and ground fault short circuit protection
3. Commercial wiring methods and materials

Learning Outcomes

1. Exhibit safe work practices
2. Identify Commercial drawing symbols
3. Calculate conductor correction factors
4. Calculate voltage drop
5. Perform motor calculations
6. Perform box size calculations
7. Describe parallel conductor installation
8. Install a variety of commercial wiring methods
9. Install lighting and appliance circuits
10. Apply National Electrical Code requirements

Credit Details

Lecture: 1

Lab: 4

OJT: 0