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## SECTION HEADING

### ELEC 1205: National Electric Code I

#### Description

National Electric Code I provides insight into an understanding of many of the technical rules of the National Electrical Code (NEC). Topics included are Minnesota licensing laws, definitions, requirements and calculations for electrical installations, grounding conductors, branch circuits, feeders and services. Other topics also included are overcurrent protection, grounding and bonding, wiring methods, temporary wiring and conductors for general wiring.

#### Credits

2

#### Topics to be Covered

1. National Fire Protection Association (NFPA) - National Electrical Code 70
2. License/appeals regulations

#### Learning Outcomes

1. Describe license, inspection, enforcement, and appeals regulations and procedures.
2. Define branch circuits, feeders, and services requirements.
3. Describe overcurrent protection requirements.
4. Describe grounding and bonding requirements.
5. Describe general and temporary wiring methods requirements.
6. Determine conduit, raceway, wireway, and tray cable requirements.
7. Determine conductor ampacity.

#### Credit Details

Lecture: 1

Lab: 1

OJT: 0