**Course Title:**
National Electric Code III

**Catalog Description:**
National Electric Code III explains the importance of safe, efficient and well-designed systems for industrial, commercial, and residential locations. The course discusses material, methods, and components used in designing electrical systems.

**Prerequisites or Necessary Entry Skills/Knowledge:**
ELEC 1205

**FULFILLS MN TRANSFER CURRICULUM AREA(S)**
- ✓ Goal 1: Communication: By meeting the following competencies:
- ✓ Goal 2: Critical Thinking: By meeting the following competencies:
- ✓ Goal 3: Natural Sciences: By meeting the following competencies:
- ✓ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- ✓ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- ✓ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- ✓ Goal 7: Human Diversity: By meeting the following competencies:
- ✓ Goal 8: Global Perspective: By meeting the following competencies:
- ✓ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- ✓ Goal 10: People and the Environment: By meeting the following competencies:

**Topics to be Covered**
- Raceways and conductors
- Load Calculations
- General application in commercial locations

**Student Learning Outcomes**
- Explain electrical terms and definitions
- Calculate electrical raceway size
- Calculate conductor size
- Perform feeder load calculations
- Perform service load calculations
Is this course part of a transfer pathway: Yes ☐ No ☒

Revised Date: 02/14/2020