Course Title: National Electric Code III

Catalog Description: Explain 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.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
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:

Prerequisites or Necessary Entry Skills/Knowledge:
ELEC 1205

Topics to be Covered (General)
- 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