A. Course Description
   - Credits: 2.00
   - Lecture Hours/Week: 1.00
   - Lab Hours/Week: 1.00
   - OJT Hours/Week: 0
   - Prerequisites: None
   - Corequisites: None
   - MnTC Goals: None

This course covers the fundamental concepts of electricity. Students will utilize Ohm's law, construct basic circuits, and learn the operation of basic test equipment.

B. Course Effective Dates: 8/24/15 – Present

C. Outline of Major Content Areas
   As noted on course syllabus

D. Learning Outcomes
   1. Demonstrate proper HVAC/R technician behavior and participate in the ride along days, as well as recognizing, defining and practicing safe work habits.
   2. Utilizing Ohm's law to calculate electrical circuit values. Determine proper circuit protection based on these values.
   3. Construct electrical circuits from diagrams and measure the electrical aspects of the circuit and components using a multi-meter.
   4. Define electrical terms.
   5. Understand the difference and locate short circuits. Open circuits in series and parallel circuits.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted