MECHANICAL AND ELECTRICAL SYSTEMS — ARCT 2001

A. Course Description
   - Credits: 3.00
   - Lecture Hours/Week: 3.00
   - Lab Hours/Week: 0.00
   - OJT Hours/Week: 0
   - Prerequisites: None
   - Corequisites: None
   - MnTC Goals: None

   This course introduces the student to electrical/lighting, plumbing, HVAC, and fire protection. The course examines the integration of various building systems into building design and look at energy efficiency and other means of contributing to a building's sustainability.

B. Course Effective Dates: 8/26/19 – Present

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

D. Learning Outcomes
   1. Apply standard MEP symbols on appropriate engineering drawings
   2. Determine potential layouts for HVAC, lighting, and electrical systems
   3. Identify conflicts between systems and proposed resolution
   4. Learn industry terms and definitions for Mechanical, Electrical, and Plumbing systems

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

F. Learner Outcomes Assessment
   - As noted on course syllabus

G. Special Information
   - None noted