MECHANICAL AND ELECTRICAL SYSTEMS — ARCT 2000

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 will introduce the student to electrical/lighting, plumbing, HVAC, and fire protection. The course will examine 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: 8/27/12 – Present

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

D. Learning Outcomes
   1. Create spec sheets for plumbing, mechanical, electrical, and fire life safety equipment.
   2. Define key terms for architectural electrical drawings and be able to demonstrate an architectural electrical plan.
   3. Define key terms for fire life safety and be able to create a fire life safety architectural drawing set.
   4. Define key terms for plumbing systems and be able to demonstrate architectural plumbing plans.
   5. Define key terms of mechanical systems for residential and commercial buildings and demonstrate the integration of mechanical drawings with architectural drawings.

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

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted