MECHANICAL FUNDAMENTALS — IETA 1300

A. Course Description

- Credits: 3.00
- Lecture Hours/Week: 1.00
- Lab Hours/Week: 2.00
- OJT Hours/Week: 0
- Prerequisites: None
- Corequisites: None
- MnTC Goals: None

This course teaches students the basic knowledge and skills required to install, and maintain pumps, compressors, hoists, rigging and power transmission systems.

B. Course Effective Dates: 8/1/19 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. assemble and disassemble mechanical mechanisms
2. check and adjust belt and chain drive tensions
3. identify basic mechanical drive components
4. perform coupling and shaft alignment
5. perform routine maintenance of mechanical mechanisms
6. perform vibration analysis
7. troubleshoot mechanical systems

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

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted