A. COURSE DESCRIPTION

Credits: 1
Lecture Hours/Week: 1
Lab Hours/Week: *
OJT Hours/Week: *
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course provides the students with an understanding of the function, operation, and application of pneumatic circuits and vacuum systems. It also provides the students with an understanding of how pneumatic components and accessories are placed together to create pneumatic circuits and systems for powering industrial machines.

B. COURSE EFFECTIVE DATES: 12/29/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Create fluid power circuits.
2. Assemble pneumatics circuits.
3. Apply troubleshooting techniques.
4. Design logic diagrams.

D. LEARNING OUTCOMES (General)

1. The learner will learn to apply the knowledge of pneumatic components to create pneumatic circuits according to Fluid Power industry standard ISO1219. He or she will also learn to design, size, draw, and simulate basic pneumatic circuits.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted