A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: *.*
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course provides learners with an understanding of the function, operation, and application of common components used in pneumatic circuits and systems. It also provides learners 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: 12/18/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Apply formulas related to components.
2. Identify related industry symbols.
3. Explain operation of components.
4. Describe function of component in a circuit.
5. Identify performance specifications.
6. Describe performance characteristics of compressed air.

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate an understanding of pneumatic component operating principles.
2. The learner will demonstrate understanding of performance and application characteristics.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted