FLPO 2527: Pneumatic Circuitry and Logic Lab

A. COURSE DESCRIPTION

   Credits: 1
   Lecture Hours/Week: *.*
   Lab Hours/Week: 2
   OJT Hours/Week: *.*

   Prerequisites:
   This course requires the following prerequisite
   FLPO 1525 - Pneumatic Componentry (Number of Years Valid: 5)

   Corequisites: None

   MnTC Goals: None

   This course provides learners with an understanding of the function, operation, and application of
   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. Students use learned knowledge to design and understand the design of pneumatic
   circuits. Prerequisite: FLPO1525.

B. COURSE EFFECTIVE DATES:  08/27/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1.  Create fluid power circuits.
   2.  Assemble pneumatics circuits.
   3.  Apply troubleshooting techniques.

D. LEARNING OUTCOMES (General)

   1.  The learner will assemble, operate, and troubleshoot pneumatic circuits according to Fluid Power
       industry standard ISO1219. He or she will also learn to design, size, draw, and simulate basic
       pneumatic logic 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