Alexandria Technical and Community College

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