Alexandria Technical and Community College

WELD 1609: Gas Metal Arc Welding II

A. COURSE DESCRIPTION

   Credits: 2
   Lecture Hours/Week: *.*
   Lab Hours/Week: 4
   OJT Hours/Week: *.*

   Prerequisites:
   This course requires the following prerequisite
   WELD 1603 - Gas Metal Arc Welding I (Number of Years Valid: 5)

   Corequisites: None
   MnTC Goals: None

   Learners receive instruction in proper technique for applying the GMAW-SC welding process in all positions, and on various thicknesses of steel. Learners are given an opportunity to practice skill development with the goal of refining and enhancing their existing GMAW skill. Prerequisite: WELD1603.

B. COURSE EFFECTIVE DATES: 01/12/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Perform advanced GMAW machine settings.
   2. Demonstrate accurate sizes of welds using GMAW.
   3. Display five basic joints on multiple thicknesses of metals.
   4. Demonstrate out of position GMAW welding.
   5. Identify and demonstrate use of different size GMAW fillers.

D. LEARNING OUTCOMES (General)

   1. The learner will develop and demonstrate the skills required for producing sheet metal welds to entry level industry standards.
   2. The learner will develop and demonstrate the skills required for producing out-of-position welds to entry level industry standards on steel plate.

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

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted