Alexandria Technical and Community College

WELD 1629: Specialization Lab

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: 6

OJT Hours/Week: *.*

Prerequisites:
This course requires all three of these prerequisites
  WELD 1607 - Gas Tungsten Arc Welding (Number of Years Valid: 5)
  WELD 1608 - Shielded Metal Arc Welding II (Number of Years Valid: 5)
  WELD 1609 - Gas Metal Arc Welding II (Number of Years Valid: 5)

Corequisites: None

MnTC Goals: None

This course is designed to provide learners with the opportunity to specialize in a particular area of interest within the diversity of the welding/fabricating field. The actual objectives and specific coursework will vary widely between individual learners. The learner focuses on developing higher level competency in a specific area. This course can also be used to prepare for a specifically targeted internship site that requires higher entry level skills. Prerequisites: WELD1607, WELD1608, and WELD1609. Corequisite: WELD1630.

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

C. OUTLINE OF MAJOR CONTENT AREAS

1. Practice welding processes that pertain to area of industry chosen.
2. Research processes of area of industry chosen.
3. Understand weld print to complete final project.
4. Review materials and processes of final project.
5. Review and practice welding procedures for final project.
6. Display ability to lay out dimensions and parts for final project.
7. Demonstrate abilities required to complete final project.
8. Inspection and test on final project.

D. LEARNING OUTCOMES (General)

1. The learner will select at least one specific area of study, and will develop lab practice goals.
2. The learner will practice skill development in specific areas directly related to lab practice goals.
3. The learner will be assigned a final project designed to evaluate the level of skill achieved.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted