Alexandria Technical and Community College

WELD 1630: Welding Qualification

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

In this course, learners demonstrate their achieved skill level in their chosen area by the successful completion of at least two advanced welding certification tests. Learners choose which certifications to obtain. In some cases, learners obtain specific certifications based on the requirements of a chosen internship site. Prerequisites: WELD1607, WELD1608, and WELD1609. Corequisite: WELD1629.

B. COURSE EFFECTIVE DATES: 11/25/2002 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Identify welding processes of interest.
2. Identify areas of industry of interest.
3. Select weld certifications pertaining to area of interest.
4. Understand and identify discontinuities in selected weld process.
5. Practice weld process chosen in proper position.
6. Perform visual inspection on practice weld certifications.
7. Identify proper test method of chosen weld certifications.
8. Perform chosen weld certification test.

D. LEARNING OUTCOMES (General)

1. The learner will select at least two welding certifications to pursue.
2. The learner will conduct final practice exercises in preparation for certification testing.
3. The learner will conduct at least two welding certification tests.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted