Alexandria Technical and Community College

DIES 1643: Diesel Service Welding

A. COURSE DESCRIPTION

Credits: 1
Lecture Hours/Week: 0
Lab Hours/Week: 2
OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
  DIES 1651 - Diesel Servicing/PM (Number of Years Valid: 5)

Corequisites: None
MnTC Goals: None

Students learn basic arc, mig, and brazing welding techniques as they apply to the diesel mechanics field. This course prepares the students with entry level job skills for welding and equipment repair in the diesel mechanics field.

B. COURSE EFFECTIVE DATES: 10/13/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Demonstrate ability to arc weld.
2. Demonstrate ability to mig weld.
3. Demonstrate ability for brazing.

D. LEARNING OUTCOMES (General)

1. Identify safe welding practices and procedures conforming to American Welding Society (AWS) Z 49 standards.
2. Exhibit a basic understanding of metallurgy required of a competent welder.
3. Demonstrate practical knowledge of making welds with all types of mild steel.
4. Demonstrate in a safe manner the welding of mild steel in all positions.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted