

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. DSL

COURSE NUMBER: 1170

NUMBER OF CREDITS: 3

Lecture: 1 Lab: 2 OJT 0

Course Title:

Diesel Welding

Catalog Description:

Diesel Welding explains and demonstrates proper oxy/acetylene cutting, using the torch to heat items, and proper welding techniques.

Prerequisites or Necessary Entry Skills/Knowledge:

None

FULFILLS MN TRANSFER CURRICULUM AREA(S)

- Goal 1: Communication: By meeting the following competencies:
- Goal 2: Critical Thinking: By meeting the following competencies:
- Goal 3: Natural Sciences: By meeting the following competencies:
- Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- Goal 7: Human Diversity: By meeting the following competencies:
- Goal 8: Global Perspective: By meeting the following competencies:
- Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered

Cutting metals

Heating metals

Welding metals

Student Learning Outcomes

Demonstrate accurate cutting techniques.

Operate a torch to heat metals

Perform welds using a shielded arc welder

Perform welds using a MIG (metal inert gas) welder

Explain correct welding of oxy/acetylene to join different alloys together

Is this course part of a transfer pathway: Yes No