

CONSTRUCTION & MANUFACTURING

WELDING TECHNOLOGY

Delivery: Daytime, Afternoon, and Evening Classes

Start: Fall Semester, Full-Time

OUTCOME

Welding Diploma 36 cr.

MAJOR DESCRIPTION

The Welding Program offers a variety of training in different welding processes specific to our trade. Students will gain knowledge through theory in class and hands on experience in the welding lab. The major topics and welding processes will be covered in this nine-month course to ready the student for entry level positions in the industry. Subjects that are covered include: Shielded Metal Arc, Gas Metal Arc, Flux Cored Arc, Gas Tungsten Arc Welding Processes Oxy/Fuel, Plasma Arc, Carbon Air Arc Cutting and Gouging Processes. Students will work with a variety of metals which include: steel, stainless steel, and aluminum. Shop Fabrication, Blueprint Reading, Math, Visual Inspection, and Safety are covered in the curriculum.

WORK ENVIRONMENT

Welders with the ability to fabricate and weld metal products from blueprints are in great demand in a wide range of industries. Working careers in industry consist of three major areas: Manufacturing, Construction, and Repair.

POTENTIAL JOB TITLES

- Welder
- Welding Assembly Technician
- Machine Operator
- Spot Welder
- Braze Operator
- Fitter-Welder
- Robot Operator
- Fabricator
- Finishing Technician

SALARY DATA

- Average Wage: \$21.24/hour
- Top Earners: \$24.67/hour

WELDING TECHNOLOGY DIPLOMA

This is a sample course sequence.

Please contact your program advisor regarding your academic plans.

First Year - First Semester 19 cr

WELD1101	Welding Safety and Theory I	3
WELD1111	Shielded Metal Arc Welding I	3
WELD1120	Gas Metal Arc Welding I	2
WELD1130	Flux Cored Arc Welding I	2
WELD1140	Gas Tungsten Arc Welding I	3
WELD1150	Print Reading I	3
MATS1000	Math for Welders	3

First Year - Second Semester 17 cr

WELD1200	Print Reading II	3
WELD1210	Welding Safety and Theory II	3
WELD1230	Shielded Metal Arc Welding II	3
WELD1240	Gas Metal Arc Welding II	2
WELD1250	Flux Cored Arc Welding II	2
WELD1260	Gas Tungsten Arc Welding II	3
INTS1010	Job Search Skills	1

TOTAL PROGRAM REQUIREMENTS 36



DAKOTA COUNTY
TECHNICAL COLLEGE

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