

CONSTRUCTION & MANUFACTURING

WELDING TECHNOLOGY

Delivery: Daytime, Afternoon, and Evening Classes

Start: Fall Semester, Full-Time

AWARDS

Welding Technology 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. 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
- Fitter-Welder
- Robot Operator
- Fabricator

SALARY DATA

See latest data at careerwise.minnstate.edu.

- Average Wage: \$22.74/hour
- Top Earners: \$31.12/hour

ADDITIONAL INFORMATION

Scan the QR code for more program information and specific program costs; some courses may have additional lab or instructional fees.



WELDING TECHNOLOGY DIPLOMA

This is a suggested sample course sequence. Please contact your program advisor regarding your academic plans.

First Year - Fall Semester 19 cr

MATS1000	Math for Welders	3
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

First Year - Spring Semester 17 cr

INTS1010	Job Search Skills	1
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

TOTAL PROGRAM REQUIREMENTS 36

Students must pass all first-semester WELD courses before starting any second-semester WELD courses.



DAKOTA COUNTY
TECHNICAL COLLEGE

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