

## Welding Technology Certificate

### ► Contact Information

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### ► Delivery Methods

Face-to-Face: Wahpeton  
 Face-to-Face: Fargo  
 Combination

Course Code	Course Title	Credits
<b>Certificate</b>		
MFGT 101	Robotics I	2
MFGT 110	Industrial Shop Practices <i>OR</i>	
MFGT 135	Basic Metallurgy	2
MFGT 123	Fabrication Methods I	2
MFGT 137	Print Reading I	2
WELD 151	Welding Theory I	3
WELD 152	Welding Theory II	3
WELD 153	Welding Lab I	5
WELD 154	Welding Lab II	5

### Related/General Education Courses

Course Code	Course Title	Credits
<b>Certificate</b>		
MATH 130	Technical Mathematics	2
FYE 101	Science of Success	1
Social and Behavioral Sciences, Humanities, History and/or Computer Electives		4

**Total Required Credits for Certificate 31**

The Welding Technology curriculum is designed to provide students experience in welding as it pertains to assembly, manufacturing, energy and construction.

This program provides education and training in welding and cutting processes, robotics, print reading, metallurgy, and other aspects of general education.

Career opportunities offer a wide range of entry level employment possibilities in the manufacturing, steel construction, mining, energy and other areas of the welding industry.

The NDSCS Welding program is an American Welding Society SENSE certified facility. AWS Level I certification is available in the certificate program.

The NDSCS Welding program is an educational partner with Weld-Ed, the National Center for Welding Education and Training.

### Admission Requirements\*

The applicants must be high school graduates or equivalent. Students considered for acceptance must complete all admission requirements.

Required minimum placement scores:

ACT	ACCUPLACER	ACCUPLACER
Reading – 15	Reading Comp – 61	<u>NEXT GENERATION</u>
English – 15	WritePlacer – 3-4	Reading – 240
Math – 15	Arithmetic – 51	Writing – 237
	Elementary Algebra – 25	QAS – 225

Or transfer equivalencies will apply as appropriate

Applicants not meeting the above requirements are encouraged to visit with the academic counselor at 701-671-2257 or the Manufacturing Technology department chair at 701-671-2478 for strategies to meet the admission requirements.

*\*Program Admission Requirements are subject to revision. Please check the department or program website under Program Admission Requirements for current information.*

### Award

Upon successful completion of the required courses, students will be awarded a certificate in Welding Technology.

Revised: May 2021