WESTERN DAKOTA TECHNICAL COLLEGE

WELDING AND FABRICATION

Diploma, 36 Credit Hours, 9-Month Program

The Welding and Fabrication program prepares students for the growing number of career opportunities in the welding field. The combination of classroom theory, hands-on welding skills training, and practical application in labs allows students to attain skills for entry-level employment.

The Welding and Fabrication program is designed to prepare students as entry-level technicians in many areas including the construction and repair of ships, automobiles, and thousands of other manufactured products. Students will study multiple welding and fabrication techniques with various types of welding equipment. Welders require a wide variety of skills that will continue to increase due to the increase of sophisticated fabrication and repair work demanded by industry. This program advances the student's welding skills and increases their employment opportunities.

Course	No.	Course Title	Credits
		General Education Requirements	
CSC	105	MICROCOMPUTER SOFTWARE APPLICATIONS I	3
ENGL	106	WORKPLACE COMMUNICATIONS I*	3
MATH	104	TECHNICAL MATHEMATICS**	3
PSYC	103	HUMAN RELATIONS IN THE WORKPLACE	3
		Total	**12**
		Technical Requirements	
WDM	102	SHIELDED METAL ARC WELDING I	3
WDM	103	GAS METAL ARC WELDING I	3
WDM	104	FABRICATION I	3
WDM	106	THERMAL CUTTING APPLICATIONS	3
WDM	151	GAS METAL ARC WELDING II	3
WDM	152	FABRICATION II	3
WDM	153	GAS TUNGSTEN ARC WELDING I	3
WDM	162	SHIELDED METAL ARC WELDING II	3
		Total	**24**

*Prerequisite: Acceptable ACCUPLACER score or Basic Writing.
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Semester Breakdown Diploma

First Semester		CR	Second Semester		CR
CSC 105	Microcomputer Software Applications I	3	ENGL106	Workplace Communications I	3
MATH 104	Technical Mathematics	3	PSYC 103	Human Relations in the Workplace	3
WDM 102	Shielded Metal Arc Welding I	3	WDM 151	Gas Metal Arc Welding II	3
WDM 103	Gas Metal Arc Welding I	3	WDM 152	Fabrication II	3
WDM 104	Fabrication I	3	WDM 153	Gas Tungsten Arc Welding I	3
WDM 106	Thermal Cutting Applications	3	WDM 162	Shielded Metal Arc Welding II	3
	Total Credit Hours	**18**		**Total Credit Hours**	**18**

Apply online today at wdt.edu or call Admissions Department at (605) 718-2565 or email admissions@wdt.edu

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