

Program Description:

The Welding Technology Program is an industry-driven, hands-on program that prepares individuals to meet the rigorous demands of the manufacturing sector.

The welding program delivers skills that an individual needs to be successful in industry. This is accomplished through a hands-on approach and intensive student instructor interaction. The best way to learn to weld is by actually welding. Therefore, the focus is put on work done outside the traditional classroom and in a shop setting, providing the student a true feel for the correct way to weld. A major subject is safety and this program teaches individuals how to protect themselves and their environment while completing the job. Students learn a variety of welding methods including TIG, MIG, and SMAW, as well as metal cutting techniques to ensure they have the necessary skills expected by employers. This program provides new welders a firm foundation to earn certification and thrive in the field.

Comprehensive full- and part-time programs are available, thus enabling current workforce members to improve their technical skills and develop professionally while helping their employers become more competitive.

Career Outlook:

Employment is projected to experience little or no change over the next decade. Good job opportunities are expected for skilled welders because some employers are reporting difficulty finding qualified workers. About two out of three jobs in this occupation are in manufacturing industries.

Salary Forecast:

For the most current salary information please refer to the Bureau of Labor Statistics "Occupational Outlook Handbook" found at www.bls.gov/ooh/.

Program Admission Requirements:

The Welding Technology Program has admission and candidacy requirements in addition to the Mountwest Community & Technical College admission guidelines.

Employment Opportunities:

Entry-level positions for which graduates will compete include:

1. General purpose machinery manufacturing
2. Agriculture, construction, and mining machinery manufacturing
3. Commercial and industrial machinery and equipment (excluding automotive and electronic) repair and maintenance
4. Architectural and structural metals manufacturing
5. Motor vehicle body and trailer manufacturing

Contact Information:

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Our mission is to prepare students for careers, civic responsibility and life-long learning.

Welding Technology Certificate¹– Major Code CW12

Name:			ID Number 942-	
CAPS SCORES:	MATH:	ENGLISH:	READ:	DOE:
COL 101 Faculty:				
Educational Counselor:				
Faculty Advisor:				

COURSE REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR
MAT 135	Mathematics for Machinist ²		3				
MT 105	Industrial Safety		2				
WELD 120	Shield Metal Arc Welding(SMAW) ³		6				
WELD 120L	Shield Metal Arc Welding Lab ²		4				
COM/ENL	Communication/English Elective ⁴		3				
WELD 110	Blueprint Reading for Welding		3				
	Advance Welding Course ⁵		9				

DEVELOPMENTAL COURSES REQUIRED

COURSE	REQUIREMENTS	SEM	HRS	GR	SUBSTITUTE/REPEAT CRS	SEM	CR

HOURS REQUIRED FOR GRADUATION: 30
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¹ Course work may be applied toward earning the AAS in Welding Technology.

² MAT 135 has a prerequisite of placement in 100-level mathematics.

³ WELD 120 and 120L are co-requisites.

⁴ Choose from COM 112, COM 125, or ENL 231.

⁵ Recommend WELD 210 and WELD 210L, or WELD 121 and WELD 121L. May substitute MFE 220 Computer Aided Design for an advanced welding course.

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