



Martin Community College

High School-To-College WELDING TECHNOLOGY Pathway



The Welding Technology curriculum provides students with a sound understanding of the science, technology, and applications essential for successful employment in the welding and metalworking industry. Instruction includes consumable and non-consumable electrode welding and cutting processes. Courses may include math, print reading, metallurgy, welding inspection, and destructive and non-destructive testing providing the student with industry-standard skills developed through classroom training and practical application. Student Learning Outcomes:

- Demonstrate proper safety practices applicable to industrial work environment.
- Apply basic/strategic techniques to perform sufficient weld bead patterns using various industrial processes.
- Interpret industrial prints, welding symbols and process designs applicable to required procedures.
- Use various measuring/lay-out tools and jigs to prepare work for fabrication.

PATHWAY: HS Diploma + Welding Technology Diploma (D50420P)									
	Grade		English/ Lang. Arts	Math	Science	Social Studies	Health & PE	CTE Electives	Career & College Promise College Credit Courses taught by MCC Faculty
SECONDARY	9	Fall	English I	Fnd. of Math I	Earth/Env. Sci.	-----	Health/PE	-----	-----
		Spring	-----	Math I	-----	World History	-----	-----	-----
	10	Fall	-----	Math II	Phy. Science	-----	-----	-----	ISC 112, WLD 110, WLD 112
		Spring	English II	-----	-----	Civics	-----	-----	BPR 111
	11	Fall	English III	Math III	Found of Bio.	American Hist	-----	-----	WLD 121
		Spring	-----	-----	Biology	-----	-----	-----	PSY 118, WLD 141
	12	Fall	English IV	-----	-----	Econ. & Personal Finance	-----	-----	ACA 115
		Spring	-----	Math IV	-----	-----	-----	-----	*MEC 110, *WLD 115, *WLD 131, *WLD 151
		Summer	ENG 110						
	Congratulations! High School Graduation! Next Step: Submit MCC Admission Application								
POST	13	Fall	**CIS 110, ELC 112, MEC 111, **Humanities/Fine Arts Elective, BUS 137						
		Spring	BUS 152, COM 231, MAT 110, WBL 111						
Completion of courses in black/bold earn a Welding Technology Diploma (D50420). Completion of courses in <i>red/italics</i> earn a Welding Technology A.A.S. Degree (A50420).									
Congratulations! College completion of Welding Technology A.A.S. Degree (A50420).									
*Only offered at MCC Williamston Campus. **College transfer courses that may be applied to a University Baccalaureate Degree Transfer Program.									