



Welding Technology 2025 – 2026 Associate of Applied Science Degree/Certificate Plan

A minimum 2.0 cumulative GPA is required for the degree. The residency requirement specifies that a minimum of 15 credit hours must be completed at Jefferson College. Courses with similar content may not both apply towards graduation. The computer literacy requirement must be completed with a grade of “C” or better. See a list of course options for each general education and institutional degree requirement below the degree plan. For a list of MOTR approved general education courses, visit the [MOTR webpage](#). This plan is not a substitute for meeting with an [Advising Specialist](#).

	Course Titles and General Education/Institutional Requirements	Course Number	Completed/ In Progress	Future	Certificate	Degree
Core Requirements	Industrial Blueprint Reading (3)	MTT108			X	X
	Dimensional Metrology (3)	MTT116			X	X
	Introduction to Metallurgy (3)	MTT148			X	X
	Gas and Beginning Arc Welding (5)	WLD141			X	X
	Advanced Arc Welding (5)	WLD142			X	X
	Gas Metal Arc Welding MIG (5)	WLD243			X	X
	Gas Tungsten Arc Welding TIG (5)	WLD244			X	X
	Advanced Welding Techniques I (5)	WLD245				X
	Advanced Welding Techniques II (5)	WLD246				X
	Introduction to Business (3)	BUS101				X
Technical Internship (1-3 – optional)	INT191, 192, 193					
General Education and Institutional Requirements	Communications (3)	ENG101(H)				X
	Communications OR Humanities (3)					X
	Social and Behavioral Sciences (3)					X
	Civics (3)					X
	MO Civics Exam	PSC001				X
	Mathematical Science AND/OR Natural Science (6)	MTH105^			X	X
						X
	Computer Literacy (3)					X
First Year Experience (1)				X	X	
Total Credits					33	64

General Education/Institutional Requirements	Credits Required	Course Options
Communications	3	ENG101(H)
Communications OR Humanities	3	See MOTR webpage for a list of choices (cannot use Performance/Production of Creative Arts courses)
Social and Behavioral Sciences	3	See MOTR webpage for a list of choices
Civics	3	HST103(H), HST104(H), PSC102(H)
Mathematical Science AND/OR Natural Science	6	MGT103^, MTH105^, MTH110^, MTH128^; See MOTR webpage for a list of choices*
Computer Literacy	3	CIS125^, EDU205^
First Year Experience	1	COL100^, COL101^, COL136^

^These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE42 general education program, and are not a guaranteed transfer to other institutions.

*MTH105 is required for Mathematical AND/OR Natural Science requirement.