Jefferson College

WELDING TECHNOLOGY ACADEMIC GUIDE 2019-2020
Associate of Applied Science Degree Plan

The Academic Plan is a semester-by-semester plan for the full-time student. Part-time students should work with an advisor to customize the map to fit individual needs.

ACADEMIC PLAN			NOTES
Fall 1st Year		**Cr Hrs**	**Semester 1**
	COL101 Introduction to College	1	COL101 and Reading Proficiency are pre-reqs for some next semester course work
	WLD141 Gas and Beginning Arc Welding	5	WLD141 is a pre-req for WLD142
	WLD142 Advanced Arc Welding	5	WLD142 is a pre-req for some next semester course work
	MTH105 Industrial Math	3	
	MTT108 Industrial Blueprint Reading	3	
	Total Hours	**17**	
Spring 1st Year			**Semester 2**
	WLD243 Gas Metal Arc Welding (MIG)	5	WLD243 is a pre-req for some next semester course work
	MTT116 Dimensional Metrology	3	
	MTT148 Introduction to Metallurgy	3	
CORE 42 NOTRANSFER GUARANTEED	HST103 United States History I	3	
CORE 42 NOTRANSFER GUARANTEED	SOC101 General Sociology	3	
	Total Hours	**17**	
Fall 2nd Year			**Semester 3**
	WLD244 Gas Tungsten Arc Welding	5	WLD244 is a pre-req for some next semester course work
	CIS125 Computer Concepts and Applications	3	CIS125 or exam fulfills Computer Literacy graduation requirement
CORE 42 NOTRANSFER GUARANTEED	ENG101 English Composition I	3	
	MGT103 Business Mathematics	3	
	Total Hours	**14**	
Spring 2nd Year			**Semester 4**
	WLD245 Advanced Welding Techniques I	5	WLD245 is a pre-req for WLD246
	WLD246 Advanced Welding Techniques II	5	
	BUS101 Intro to Business	3	
	ART123 Ceramics/Pottery I	3	
	Total Hours	**16**	

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Program Description:

The Welding Technology curriculum combines not only advanced welding skills but related technical courses designed to prepare students for employment as welders, welder-fitters, specialist welders, or ultimately, welding supervisors, analysts, inspectors, and welding technicians. The American Welding Society standards are stressed.

Admission Requirements:

There are no specific admission requirements for this program. Welding coursework requires reading and a level of math proficiency. Certain general education coursework requires specific measures for placement. See www.jeffco.edu/future-students/admissions/math-english-placement or consult an advisor for more information.

Department Faculty Advisors: Joe Candela

Associate Dean: Christopher DeGeare

Employment Outlook/Median Salary*:

Career	Degree Level Required	** Growth	Median Annual Salary
Welders, Cutters, Solderers, and Brazers	High School Diploma, Post-Secondary Preferred	5%	$39,390
Ironworkers	High School Diploma, Post-Secondary Preferred	13%	$51,320
Pipefitters	High School Diploma, Post-Secondary Preferred	16%	$52,590

**Employment information based on current Bureau of Labor Statistics Occupational Outlook Handbook.*
***Projected % of change in employment 2016-2026; the average for all occupations is 7%.*

Jefferson College Program Highlights:

In 2011 the Jefferson College Welding Technology program underwent a major renovation. The welding lab was relocated to its current location where new welding machines were purchased to keep up with today's latest welding technology. Along with new machines, a state of the art fume removal system was installed to maintain a healthy environment ensuring the safety of our students. Other equipment upgrades include a Lincoln Electric virtual welding machine, Torchmate automated plasma cutter, ¼" capacity hydraulic sheer, and horizontal band saw. The Jefferson College Welding Technology program is an AWS SENSE certified school as well as a certified AWS Educational Institutional Member. The program also participates annually in the Skills USA program.

Transfer Information:

CORE 42 MOTRANSFER GUARANTEED Courses with this symbol are guaranteed to transfer to any public college or university in Missouri.
Pursuing a higher degree? Get the most credit for your transfer and earn your Bachelor's degree from Missouri Baptist University by attending MBU courses at the Jefferson College, Hillsboro campus! The Associate of Applied Science degree in Welding Technology will transfer to Missouri Baptist University's Bachelor of Science in Applied Management.