



**DEGREE:** Certificate of Applied Science

**CONCENTRATION:** Welding Technology

Student ID (790):

Student Name:

Advisor Name:

Credits Required: 33

### FALL SEMESTER

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	NOTES
M 105	Contemporary Mathematics	3		or substitute M 105+ (4 cr)
WRIT 101	College Writing I	3		or substitute WRIT 101+ (4 cr)
COMX 102	Interpersonal Communication in the Workplace	1		
WLDG 180	Shielded Metal Arc Welding	4		
MCH 114	Related Metals Processes	3		
DDSN 113A	Technical Drafting	3		If additional credits are desired, DDSN 114 may be added this semester
	<b>TOTAL CREDITS</b>	<b>17</b>		If a lower credit load is necessary, WRIT and COMX may be scheduled in another semester

### SPRING SEMESTER

COURSE NUMBER	COURSE TITLE	CREDITS	GRADE	NOTES
WLDG 117	Blueprint Reading & Welding Symbols	3		
WLDG 145	Fabrication Basics	4		
WLDG 187	Flux Cored Arc Welding	4		
OSH 110	10-Hour Safety Training	1		
BGEN 215	Career Readiness	3		Online course can be taken in any semester
	<b>TOTAL CREDITS</b>	<b>15</b>		

### PROGRAM INFORMATION

Earn your certificate of applied science in welding from Missoula College at the University of Montana and prepare for welding jobs in diverse industries from construction to aerospace. The one-year certificate degree is a great step to earning a two-year Associate of Applied Science degree, or simply as a stand-alone certificate. This program includes training within structural steel welding, drafting, design and metallurgy. Heating and cooling cycles will be introduced and how to account for temperature fluctuations in any automated welding system. Hands-on experiential learning is a critical part of this certificate where students will complete welding tasks and receive immediate feedback, helping to continually improve skills and build your confidence to complete any welding job. All welding technology students have the opportunity to become certified to American Welding Society Standards. It is recommended that students in the certificate program continue on to the second year of the Welding Program to earn an Associate of Science Degree in Welding Technology.

### CAREER INFORMATION

Your certificate degree in welding technology from Missoula College in Montana will help you secure welding jobs in: assembly and fabrication, boilermaking, jewelry, precious stone and metal workers, Machinists, tool and die makers, Sheet metal workers, Plumbers, pipefitters and steamfitters Metal and plastics welders The average hourly salary for welders in Montana is \$22, but experienced welding technology employees can earn up to \$35 per hour. Other MT salary examples in this industry include \$79,500 average welding salary for pipefitters, \$64,500 for gas fitters, \$56,500 for ship welders, \$54,000 for boilermakers and \$48,600 for sheet metal workers.

