



Metals Fabrication Program*
Associate of Applied Science Degree
Welding Technology Tract

Fall Entry Only

Course Number	Course Title	Credits
First Semester		
WLDG 105	Shop Safety	1
WLDG 112	Cutting Processes	1
WLDG 180	Shielded Metal Arc Welding (SMAW)	4
WLDG 117	Blueprint Reading & Welding Symbols	3
WLDG 275	Gas Metal Arc Welding (GMAW)	4
WLDG 187	Flux Core Arc Welding (FCAW)	4
M 111 or M90	Technical Math or Introductory Algebra	3
	Credits (Fall)	20
Second Semester		
WLDG 205	Applied Metallurgy	3
WLDG 282	AWS Level I SENSE Certification	4
WLDG 155	Design and Fabrication	4
WLDG 140	Gas Tungsten Arc Welding (GTAW)	3
WLDG 291	Special Topic	1
WRIT 095	Developmental Writing	3
PSYX 100 or COMM 110	Introduction to Psychology or Interpersonal Communications	3
	Credits (Spring)	21
Third Semester		
MCH 268	CNC I	3
MCH 120	Blueprint Reading & Interpretation for Machining	3
MCH 160	Machine Shop I	3
MCH 245	Shop Practices	2
MCH 129	Machine Quality Control & Precision Measurement	3
MCH 230	Tooling & Fixtures Used in CNC	2
CAPP 131	Basic MS Office	3
	Credits (Fall)	19



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Highlands College

OF MONTANA TECH

Fourth Semester		
MCH 260	Machine Shop II	3
MCH 269	CNC II	3
MCH 240	Metallurgy	2
MCH 265	Advanced Machining & Manufacturing	4
MCH 231	CNC Turning Operations Level 1	3
MCH 291	Special Topic	1
MT 0220	Employment Strategies	2
	Credits (Spring)	18
	TOTAL CREDITS	78

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