

**Associate of Applied Science – 68 credits  
Industrial Welding and Metal Fabrication**

<b>Name:</b>	<b>Date of Entry:</b>	<b>Advisor:</b>
<b>Dual Major With:</b>	<b>Academic Plan Advisor:</b>	
<b>Transferred From:</b>		
<b>Credit Hours Transferred In:</b>	Must complete 1/3 of degree through Helena College	

Course #	Course Title	CR	Pre - Requisites	SEM	Grade	Comments
<b>First Semester – 18 Credits</b>						
WLDG 107	Industrial Safety	2				
WLDG 112	Cutting Processes	3	WLDG 107			
WLDG 135	GMAW Theory and Prac Applications	5	WLDG 107			
WLDG 181	SMAW Theory and Prac Applications	5				
M111T	Technical Mathematics	3				
(**COMX 106)	Communications in a Dynamic Workplace	2				
<b>Second Semester – 19 Credits</b>						
WLDG 117	Blueprint Reading and Weld Symbols	3	First semester WLDG courses and M111T			
WLDG131	Layout, Metal Form and Fabrications	6	First semester WLDG courses and M111T			
WLDG141	GTAW Theory and Prac Application	3	First semester WLDG courses and M111T			
WLDG151	Shop Practices	4	First semester WLDG courses and M111T			
WRIT121T	Technical writing	3	WRIT 096 if placement score indicates such			
<b>Third Semester – 17 Credits                      Pre-requisites: Completion of First Year Courses with a C- or better</b>						
WLDG213	Pipe Welding Lab I	6	First year courses and M111T			
WLDG 257	Cutting Processes II	5	First year courses and M111T			
WLDG 246	Advanced Metal Forming/Fabrication Theory and Practical Application	5	First year courses and M111T			
COMX 106	Communications in a Dynamic Workplace	2				
<b>Fourth Semester – 14 Credits</b>						
WLDG 227	Advanced Joining Processes Theory and Practical Application	6	Third semester WLDG Courses			
WLDG245	Metal Fabrication Design and Construction	4	Third semester WLDG courses			
WLDG 299	Industrial Welding Capstone	5	Third semester WLDG courses			
<b>Developmental Coursework:</b>						

\*\* If students are contemplating on a CAS or AAS they should take COMX106 the first year spring semester so they will have all general education requirements completed in the first year for the CAS.