


HIGH SCHOOL: Lincoln High School, Lincoln, MT	BIG SKY PATHWAY PROPOSAL 
COLLEGE: Helena College	
COLLEGE DEGREE PROGRAM: Welding Technology AAS	

SUGGESTED HIGH SCHOOL COURSES

9th	Graduation Requirements Workforce/College Prep	9 th English, Earth Science, Algebra I, Current Events/MT History, 9 th PE/Health	Recommended CTE Cluster Foundation Course(s): Introduction to Metals, Woods I
	CTE and/or Electives	Introduction to Metals	Recommended CTE Pathway Courses: Welding, Woods I- Drafting
10th	Graduation Requirements Workforce/College Prep	10 th English, Biology, Geometry, Global Studies, 10 th PE/Health	Other Recommended CTE Courses: Financial Literacy, Street Law, Computer Literacy, Introduction to Business & Technology
	CTE and/or Electives	Introduction to Metals, Metals I	
11th	Graduation Requirements Workforce/College Prep	11 th English, US History, Jr. Prep/Financial Literacy, Algebra II Technical Writing (WRIT121T), Technical Math (M111T)	Career & Technical Student Organization(s):
	CTE and/or Electives	Metals I	
12th	Graduation Requirements Workforce/2-Year College Prep	12 th English, Government, Sr. Prep/Business Literacy College Writing (WRIT101); Pre-Calculus	
	4-Year MT College/Univ Prep (Rigorous Core)		
	CTE and/or Electives	Metals II	

ADVANCED LEARNING OPPORTUNITIES High School to College/Career Linkages

Advanced Placement: Taken through Montana Digital Academy- test through College Board, exam administered at school

Dual Enrollment/Online courses: From MSU-Billings, Helena College, and Great Falls College; Montana Digital Academy options include:
M11T Technical Math WRIT121 Intro to Tech Writing College Writing WRIT 101, HR 100T Human Relations

Other: Job shadowing and work experiences

POSTSECONDARY PROGRAM OF STUDY

	Math	English	Major	Other
Semester 1	M111T Technical Mathematics (3)		WLDG 107 Industrial Safety (2); WLDG 112, Cutting Processes (3); WLDG 135 GMAW Theory and Practical Application (5); WLDG 181 Shielded Metal Arc Welding (SMAW) Theory and Practical Application (5)	
Semester 2			WLDG 117 Blueprint Reading and Weld Symbols (3); WLDG 131 Layout, Metal Forming & and Fabrication (6), WLDG 140 Intro Gas Tungsten ARC Welding (GTAW) - Integrated Lab (3); WLDG 151 Shop Practices (4);	
Semester 3		WRIT 121T Introduction to Technical Writing (3)	WLDG 217 Advanced Blueprint (2); WLDG 225 Structural Fabrication (2); WLDG 230 Field Welding and Processes (2), WLDG 243 Advanced Metal Fabrication I (6); WLDG 255 CNC Burn Table Programming and Operation (3)	
Semester 4			WLDG 213 Pipe Welding Lab I (5); WLDG 244 Advanced Metal Fabrication II (4); WLDG 245 Metal Fabrication Design and Construction (5); WLDG 265 MSHA Safety Training (1)	HR 100T Human Relations (2)