HELENA COLLEGE
UNIVERSITY OF MONTANA

Academic Pathways Map
Metals Technology
A.A.S.
Industry and Trades

Start Here

SEMESTER 1		CREDITS	MILESTONE	✓
M111T	TECHNICAL MATHEMATICS	3	*	
WLDG107	INDUSTRIAL SAFETY FOR WELDING	2	*	
WLDG112	CUTTING PROCESSES	3		
WLDG135	GMAW THEORY AND PRACTICAL APPLICATION	5		
WLDG181	SMAW THEORY AND PRACTICAL APPLICATION	5		
	TOTAL CREDITS	18		

SEMESTER 2		CREDITS	MILESTONE	✓
WLDG137	BLUEPRINT READING, LAYOUT, AND BEGINNING FABRICATION	7		
WLDG141	GTAW THEORY AND PRACTICAL APPLICATION	4		
WLDG151	SHOP PRACTICES	4		
COMX106	COMMUNICATING IN A DYNAMIC WORKPLACE	2		
WRIT121T	INTRODUCTION TO TECHNICAL WRITING	3		
	TOTAL CREDITS	20		

SEMESTER 3		CREDITS	MILESTONE	✓
MCH130	MACHINE SHOP	3		
MCH132	INTRODUCTION TO ENGINE LATHES	5	*	
MCH134	INTRODUCTION TO MILLS	5	*	
MCH240	METALLURGY	2		
	TOTAL CREDITS	15		

SEMESTER 4		CREDITS	MILESTONE	✓
MCH136	ADVANCED LATHES	5		
MCH137	ADVANCED MILLS	5		
MCH139	GRINDING APPLICATIONS	2		
MCH245	SHOP PRACTICES	2		
DDSN135	SOLIDWORKS 1	2		
	TOTAL CREDITS	16		

You are finished!

Pathway Advising Notes: none

Course Advising Notes: M111T: Prerequisite to courses for the 2nd semester
WLDG137: First semester WLDG courses and M111T are prerequisites.
WLDG141: First semester WLDG courses and M111T are prerequisites.

Academic Year 2022 - 2023

WLDG151: First semester WLDG courses and M111T are prerequisites.
MCH136: Prerequisite: MCH130, MCH132, MCH134
MCH137: Prerequisite: MCH130, MCH132, MCH134
MCH139: Prerequisite: MCH130, MCH132, MCH134
MCH245: Prerequisite: MCH130, MCH132, MCH134
DDSN135: Prerequisite: MCH130, MCH132, MCH134