

Academic Pathways Map

Metals Technology

A.A.S.

Industry and Trades

Start Here

SEMESTER 1		CREDITS	MILESTONE	✓
M111	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	3		

TOTAL CREDITS 18

SEMESTER 3		CREDITS	MILESTONE	✓
MCH130	MACHINE SHOP	3		
MCH132	INTRODUCTION TO ENGINE LATHES	5	*	
MCH134	INTRODUCTION TO MILLS	5	*	
MCH240	METALLURGY	2		
DDSN132	MASTERCAM SOLIDS	2		

TOTAL CREDITS 17

SEMESTER 4		CREDITS	MILESTONE	✓
MCH136	ADVANCED LATHES	5		
MCH137	ADVANCED MILLS	5		
MCH139	GRINDING APPLICATIONS	2		
MCH245	SHOP PRACTICES	2		

TOTAL CREDITS 14

You are finished!

Pathway Advising Notes: This program includes the first year of welding and the first year of machining. Students can begin with welding or machining courses in semester 1.

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.



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