

ASSOCIATE OF APPLIED SCIENCE GENERAL TECHNOLOGY PATHWAY TO ADVANCED MANUFACTURING TECHNOLOGY MACHINING PATHWAY

Cip Code: 30.9999; Degree Code: 0517
Major: AAS General Technology 30.9999
Concentration: Pathway to ADVM Machining Pathway 48.0508

Student Name _____ Student ID _____ Advisor _____

AY2025-2026

Possible Prerequisites			Semester	Hours	Grade	ACTS
ENG	0051	Writing Seminar		NC		
ENG	0053	English Fundamentals		NC		
MATH	0021	Foundations of Math Reasoning		NC		
MATH	0083	Math Fundamentals		NC		

First Semester (14 credit hours)			Semester	Hours	Grade	ACTS
ADVM	1123	Materials, Measurement, and Safety		3		
ADVM	1154	CNC Milling		4		
ADVM	1264	CAD/CAM		4		
ENG	1003	Choose one: Composition I		3		ENGL1013
ENG	1203	Workplace Essentials				ENGL2023

Second Semester (16 credit hours)			Semester	Hours	Grade	ACTS
ADVM	1144	CNC Turning		4		
MATH	1013	Choose one: Mathematical Applications		3		MATH1003
MATH	1023	College Algebra				MATH1103
MATH	1083	Quantitative Literacy				MATH1113
ADVM	1134	Technical Elective: 9 hours from any of the below courses or any instructor-approved course with the prefix ADVM, TECH, or WELD		9		
ADVM	1253	Job Planning, Benchwork, and Layout				
ADVM	1253	Geometric Dimensioning and Tolerancing				
ADVM	2264	Advanced CAD/CAM				
WELD	2513	Blueprint Reading				

Year 2 – First Semester (15 credit hours)			Semester	Hours	Grade	ACTS
ENG	1003	Choose one: Composition I		3		ENGL1013
ENG	1013	Composition II (ENG1003 is a prerequisite to ENG1013)				ENGL1023
MIS	1033	Choose one: Introduction to Computers		3		CPSI1003
MIS	1443	Technical Computer Applications				
MIS	1503	Microcomputer Applications				
		9 hours from Manufacturing ADVM TECH, WELD prefixes		9		

Year 2 – Second Semester (15 credit hours)			Semester	Hours	Grade	ACTS
		3 hours from Social Science ECON, HIST, GEOG, SOC, POSC, PSY prefixes		3		
		12 hours from Manufacturing ADVM TECH, WELD prefixes		12		

Total Required Credit Hours (60)



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Expected Graduation Date: _____

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

Students must have completed the TC Machining Pathway degree before receiving the AAS GT Pathway to Machining Pathway