

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

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

Student Name _____ Student ID _____ Advisor _____

AY2026-2027

Possible Prerequisites			Semester	Hours	Grade	ACTS
ENGL	00191	Writing Seminar		NC		
ENGL	00193	English Fundamentals		NC		
MATH	01071	Foundations of Math Reasoning		NC		
MATH	03163	Math Fundamentals		NC		

First Semester (14 credit hours)			Semester	Hours	Grade	ACTS
MSTE	10143	Materials, Measurement, and Safety		3		
MSTE	13544	CNC Milling		4		
MSTE	12464	CAD/CAM		4		
ENGL	10103	Choose one: Composition I		3		ENGL1013
ENGL	20203	Workplace Essentials				ENGL2023

Second Semester (16 credit hours)			Semester	Hours	Grade	ACTS
MSTE	11544	CNC Turning		4		
MATH	10133	Choose one: Mathematical Applications		3		MATH1003
MATH	11003	College Algebra				MATH1103
MATH	11103	Quantitative Literacy				MATH1113
Technical Elective: 9 hours from any of the below courses or any instructor-approved course with the prefix MSTE OR WELD				9		
MSTE	14054	Job Planning, Benchwork, and Layout				
MSTE	14163	Geometric Dimensioning and Tolerancing				
MSTE	14263	Computer-Aided Design				
WELD	21073	Blueprint Reading				

Year 2 – First Semester (15 credit hours)			Semester	Hours	Grade	ACTS
ENGL	10103	Choose one: Composition I		3		ENGL1013
ENGL	10203	Composition II (ENGL 10103 is a prerequisite to ENGL 10203)				ENGL1023
CPSI	10003	Choose one: Introduction to Computers		3		CPSI1003
CPSI	14403	Technical Computer Application				
BINS	11203	Microcomputer Applications				
9 hours from Manufacturing prefix: MSTE, AMST, TECH, or WELD				9		

Year 2 – Second Semester (15 credit hours)			Semester	Hours	Grade	ACTS
		3 hours from Social Science prefixes: ECON, HIST, GEOG, SOCI, PLSC, PSYC		3		
		12 hours from Manufacturing prefix: MSTE, AMST, TECH, or WELD		12		

Total Required Credit Hours (60)



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Student Name _____ Student ID _____ Advisor _____

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Expected Graduation Date: _____

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

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