

**ASSOCIATE OF APPLIED SCIENCE
GENERAL TECHNOLOGY
ADVANCED MANUFACTURING TECHNOLOGY
PATHWAY TO COMPUTER AIDED DESIGN**

Cip Code: 30.9999; Degree Code: 0517
Major: AAS General Technology 30.9999
Concentration: Pathway to Computer Design 15.0613

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		

Year 1 - 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

Year 1 - Second Semester (16 credit hours)

			Semester	Hours	Grade	ACTS
MSTE	14564	Advanced CAD/CAM		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)



**ASSOCIATE OF APPLIED SCIENCE
GENERAL TECHNOLOGY
ADVANCED MANUFACTURING TECHNOLOGY
PATHWAY TO COMPUTER AIDED DESIGN**

Cip Code: 30.9999; Degree Code: 0517
Major: AAS General Technology 30.9999
Concentration: Pathway to Computer Design 15.0613

Student Name _____ Student ID _____ Advisor _____

AY2026-2027

Expected Graduation Date: _____

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____

Students must have completed the TC Computer Aided Design Pathway degree before receiving the AAS GT Pathway to Computer Aided Design