

**TECHNICAL CERTIFICATE
ADVANCED MANUFACTURING TECHNOLOGY
COMPUTER AIDED DESIGN PATHWAY**

Cip Code: 15.0613; Degree Code: 5719

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		
ENGL	20203	Workplace Essentials or higher-level English		3		
MSTE	12464	CAD/CAM		4		

Second Semester (16 credit hours)			Semester	Hours	Grade	ACTS
MSTE	14564	Advanced CAD/CAM		4		
MATH	10133	Mathematical Applications or higher-level Math		3		
CPSI	10003	Introduction to Computers		3		CPSI1003
Technical Elective: 6 hours from any of the below courses or any instructor-approved course with the prefix MSTE or WELD				6		
MSTE	14054	Job Planning, Benchwork, and Layout				
MSTE	14163	Geometric Dimensioning and Tolerancing				
MSTE	14263	Computer-Aided Design				
WELD	21073	Blueprint Reading				

Total Required Credit Hours (30)

Expected Graduation Date: _____

Student Signature: _____

Date: _____

Advisor Signature: _____

Date: _____