Associate of Applied Science in Precision Machining Technology 2025 – 2026 Academic Plan

This academic plan is a semester-by-semester guide for the college-ready student. Students should consider bachelor's degree requirements at transfer institutions, potential for continuing education to a graduate degree, and future career goals when selecting specific courses. This plan is not a substitute for meeting with an Advising Specialist or full-time Faculty Advisor.

Academic Plan: Fall 1st Year			**Notes**
Requirement	**Course**	**Credits**	• MTH105 is a corequisite for PMT105 and a prerequisite for future coursework. • PMT105 is a prerequisite for PMT125 and future coursework. • MTT108 and PMT125 are prerequisites for future coursework.
FYEX	*First Year Experience	1	
MATH	MTH105 Industrial Math	3	
CORE	MTT108 Industrial Blueprint Reading	3	
CORE	PMT105 Introduction to Machining Procedures	3	
CORE	PMT125 CNC Programming	3	
	Total Credits	13	
Academic Plan: Spring 1st Year			**Notes**
Requirement	**Course**	**Credits**	• MTT116, PMT150, and PMT155 are prerequisites for future coursework.
MATH	MTH121 Technical Math I	3	
CORE	MTT116 Dimensional Metrology	3	
CORE	PMT150 Machining Procedures	3	
CORE	PMT155 CNC Programming II	5	
	Total Credits	14	
Academic Plan: Fall 2nd Year			**Notes**
Requirement	**Course**	**Credits**	• PMT225 is a prerequisite for future coursework.
CO/HU^	*Communications OR Humanities	3	
CIVI^	*Civics and PSC001 MO Civics Requirement	3	
CORE	PMT205 Advanced Machining Procedures	3	
CORE	PMT225 Advanced CNC Programming	5	
	Total Credits	14	
Academic Plan: Spring 2nd Year			**Notes**
Requirement	**Course**	**Credits**	
WCOM^	ENG101 English Composition I	3	
SBSC^	*Social and Behavioral Science	3	
CPLT	CIS125 Computer Concepts and Applications	3	
CORE	PMT210 Quality Assurance	3	
CORE	PMT250 Introduction to 3D Contouring	3	
	Total Credits	15	
Academic Plan: Summer 2nd Year			**Notes**
Requirement	**Course**	**Credits**	
CORE	PMT235 Computer Integrated Manufacturing	3	
CORE	PMT240 Computer Aided Manufacturing	5	
	Total Credits	8	
	Total Program Credits	**64**	

*For a list of elective and general education courses visit, the degree/certificate plan webpage.

^This general education requirement must be met by a MOTR equivalent course; see MOTR webpage.

Plan includes the minimum 42 general education credit hours for MOTR CORE 42 general education credit hours for MOTR CORE 42 completion.

The Computer Literacy (CPLT) requirement must be completed with a grade of "C" or better.