




**Certificate 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 1 st Year			Notes
Requirement	Course	Credits	
FYEX	*First Year Experience	1	<ul style="list-style-type: none"> 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.
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 1 st Year			Notes
Requirement	Course	Credits	
CORE	MTT116 Dimensional Metrology	3	<ul style="list-style-type: none"> MTT116, PMT150, and PMT155 are prerequisites for future coursework.
CORE	PMT150 Machining Procedures	3	
CORE	PMT155 CNC Programming II	5	
		Total Credits	11
Academic Plan: Fall 2 nd Year			Notes
Requirement	Course	Credits	
CORE	PMT205 Advanced Machining Procedures	3	<ul style="list-style-type: none"> PMT225 is a prerequisite for future coursework.
CORE	PMT225 Advanced CNC Programming	5	
		Total Credits	8
Academic Plan: Spring 2 nd Year			Notes
Requirement	Course	Credits	
CORE	PMT210 Quality Assurance	3	
CORE	PMT250 Introduction to 3D Contouring	3	
		Total Credits	6
Academic Plan: Summer 2 nd Year			Notes
Requirement	Course	Credits	
CORE	PMT235 Computer Integrated Manufacturing	3	
CORE	PMT240 Computer Aided Manufacturing	5	
		Total Credits	8
		Total Program Credits	46

*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](#). 

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