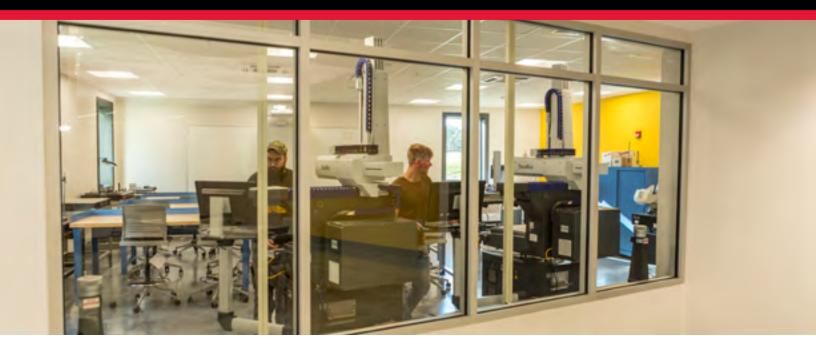


PRECISION MACHINING TECHNOLOGY

Associate in Applied Science • Certificate



The Associate in Applied Science in Precision Machining Technology offers a broad training experience that prepares individuals for employment in the precision manufacturing industry.

Students learn to:

- Operate a variety of conventional machine tools
- Operate computer numerical control (CNC) machines using Mastercam software to program CNC equipment
- Read and analyze engineering drawings
- Use precision measuring and inspection instruments

Graduates may pursue careers as:

- Machinists
- CNC Machinists
- Tool and Die Makers
- Process Quality Control Technicians
- Quality Control Inspectors
- Machine Assemblers
- Machine Tool Designers
- CNC Programmers
- Field Service Representatives

Choose the Associate in Applied Science or the one-year certificate. Graduates of the Precision Machining Technology Associate in Applied Science program also have the opportunity to earn an Advanced Certificate.

Degree Requirements

Semester	I Cred	dit Hours	
ENG*	Select one of the following:	3	
	ENG 101 College Writing		
	ENG 105 College Writing Seminar	(4)	
MAT 104*	Technical Mathematics	3	
PMT 103	Print Reading and Sketching	3	
PMT 111	Introduction to Lathes	2	
PMT 112	Introduction to Manual Milling	2	
PMT 118	Introduction to CNC Milling	2	
PMT 119	Introduction to CNC Lathes	2	
Semester	II .		
ENG 201	Technical Writing	3	
MAT_*	Level 100 or higher	3	
PMT 121	Introduction to Threading Processes	2	
PMT 122	Work Holding Methods for Milling	2	
PMT 124	Applied Computer Numerical Control	2	
PMT 125	CNC Turning Methods	2	
OHS 102	OHS for General Industry	1	
Semester III			
PMT 209	Geometric Dimensioning and Tolerancing	3	
PMT 240	2-D Cam Programming	2	
PMT 211	Advanced Threading Processes	2	
PMT 212	Circular CNC Milling Processes	2	
PMT 214	Advanced Computer Numerical Control	2	
PMT 228	Metallurgy	1	
	Elective: Humanities/Social Science	3	
Semester IV			
PMT 217	Introduction to Toolmaking	2	
PMT 221	Advanced CNC Turning Processes	2	
PMT 229	Advanced CNC Part II	2	
PMT 230	Introduction to CMM's	2	
	Elective: Humanities/Social Science	3	
	Elective: Humanities/Social Science	3	
Total Cred	61-62		

^{*}Placement determined by assessment test scores and/or prior college coursework

Certificate Requirements

Semester I		Credit Hours
MAT 104*	Technical Mathematics	3
PMT 103	Print Reading and Sketching	3
PMT 111	Introduction to Lathes	2
PMT 112	Introduction to Manual Milli	ng 2
PMT 118	Introduction to CNC Milling	2
PMT 119	Introduction to CNC Turning	2
Semester	II	
	Select one of the following:	3
	BCA 120 Introduction to Computer Applications	
	PMT 240 Introduction to MasterCam	(2)
ENG*	Select one of the following:	3
	ENG 101 College Writing	
	ENG 105 College Writing Seminar	(4)
PMT 121	Introduction to Threading Processes	2
PMT 122	Work Holding Methods for Milling	2
PMT 124	Applied Computer Numerica Control	ıl 2
PMT 125	CNC Turning Methods	2
OHS 102	OHS for General Industry	1
Total Credit Hour Requirements		28-30



Office of Admissions

1250 Turner Street • Auburn, ME 04210 (207) 755-5273 • enroll@cmcc.edu

www.cmcc.edu

Find CMCC on social media at CMCCMaine!









