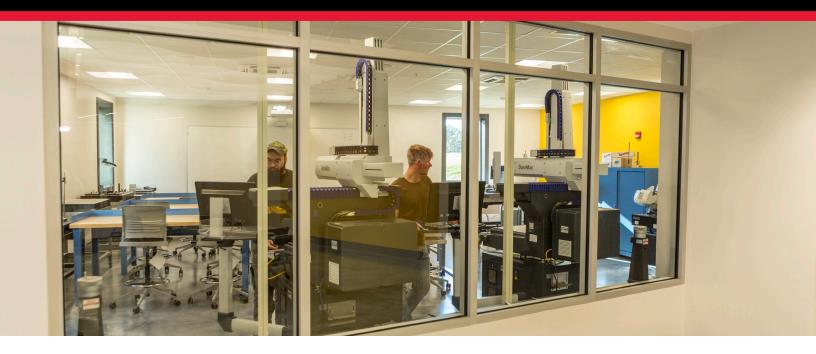


PRECISION MACHINING TECHNOLOGY

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.

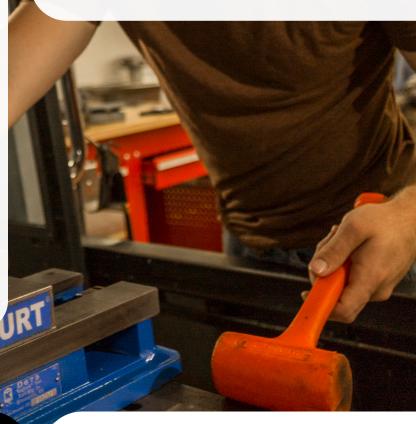
Degree Requirements

| | | Credit Hours |
|---------------------|---|--------------|
| ENG* | Select one of the following: | 3 |
| | ENG 101 College Writing | 741 |
| | 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* | MAT 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 II | | |
| PMT 209 | Geometric Dimensioning and Toleran | cing 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 Contr | ol 2 |
| PMT 228 | Metallurgy | 1 |
| | Elective: Humanities or 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 or Social Science | 3 |
| | Elective: Humanities or Social Science | 3 |
| | | |
| Total Credit | Hour Requirements | 61-62 |
| | | |

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

Certificate Requirements

| Semester I | | Credit Hours |
|-----------------|---|---------------------|
| ENG* | Select one of the following: | |
| | ENG 101 College Writing | 3 |
| | 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 Turning | 2 |
| | | |
| Semester II | | |
| ENG 201 | Technical Writing | 3 |
| MAT* | MAT 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 | ol 2 |
| PMT 125 | CNC Turning Methods | 2 |
| OHS 102 | OHS for General Industry | 1 |
| Total Credit | Hour Requirements | 28-30 |



Office of Admissions

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Find CMCC on social media at CMCCMaine!









