



PROGRAMS OF study

PRECISION MACHINING OPERATIONS

CERTIFICATE



Program Description

A program that prepares individuals for employment in the precision manufacturing industry. Individuals learn to operate a variety of conventional machine tools, read and analyze engineering drawings and use precision measuring and inspection instruments. Individuals will have an introduction into computer numerical control (CNC) machines and their operation.

Upon completion of the Certificate in the Precision Machining Operations the graduate is prepared to:

1. Demonstrate entry level skills utilizing conventional and computer numerical control equipment.
2. Perform basic setup and operate different types of manual metal working machines.
3. Interpret engineering drawings utilizing current industry and national standards.

Precision Machining Operations Certificate Program - program sequencing

Intended for part-time study

The sequencing of courses in this program begins in the fall semester.

Students entering in the spring or summer will likely take longer than two semesters to complete the program.

Curriculum Requirements: 17 credits	Credits	Grade	Semester
First Year, Fall Semester (10 credits)			
PMT 110 Precision Machining I	4		
PMT 125 Principles of CNC	3		
CAD 115 Blueprint Reading	3		
First Year, Spring Semester (7 credits)			
PMT 150 Precision Machining II	4		
PMT 175 CNC Programming and Operations	3		

Courses with PMT designation will be held at the Precision Machining Technology building located in Sanford, Maine. Students will be required to provide their own transportation.



Career Opportunities

Machinists set up and operate a variety of computer-controlled or manually-controlled machine tools to produce precision parts, instruments, and tools. Positions may include: machine operators, machinist or CNC machinist.

Certificate programs at YCCC are designed to lead to either employment and/or college transfer, and we want to provide prospective students with gainful employment disclosure information prior to admission/enrollment in those programs. Please follow this link for more information: <http://www.yccc.edu/about-yccc/college/consumer-info/>

Catalog 17-18

Articulation agreements exist between York County Community College and various colleges and universities.. Please, contact Career and Transfer Services for information regarding these agreements.

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