



Engineering Technology – Precision Machining Certificate

START here

1

SEMESTER 1 – FALL	CREDITS	MILESTONE	COMPLETED
CAD 110 – Engineering Graphics I	3		<input type="checkbox"/>
CAD 169 – Solid Modeling I	3		<input type="checkbox"/>
CAP 103 – Computers for Technology	3		<input type="checkbox"/>
ADM 101 Introduction to Manufacturing	3		<input type="checkbox"/>

TOTAL CREDITS 12

2

SEMESTER 2 – SPRING	CREDITS	MILESTONE	COMPLETED
ADM 110 – Precision Machining I	6		<input type="checkbox"/>
ADM 111 – Precision Machining II	6		<input type="checkbox"/>
ENG 101 – English Composition I	3		<input type="checkbox"/>

TOTAL CREDITS 15

You've FINISHED!



Milestone Courses

should be taken in the order shown. This will help you stay on track and graduate on time.

General Advising Notes

- First semester, all classes will be held on the Bedford campus, Monday – Thursday. Three classes will be offered from 5 – 7:45 p.m. and one class from 5 – 9 p.m. Second semester, the Precision Machining classes will be offered at Nashoba Valley Technical High School in Westford from 4 – 9 p.m., Monday – Thursday. ENG 101, depending upon the student's schedule, may be taken in the day, online, or on Saturday.
- CAD 169 requires completion of EGR 101 or current enrollment in CAD 110.
- CAP 103 requires student has eligibility for MAT 080, Math Module 70 or 80. If student does not meet this eligibility, he/she may complete required math courses in the summer or fall and take CAP 103 in the subsequent semester.
- ADM 101 requires a student has eligibility for MAT 080, Math Module 80. If student does not meet this eligibility, he/she may complete the required math course in the summer or take it as a co-requisite with ADM 101
- Students who do not place into ENG 101 (English Composition) but place into ENG 092 (Reading, Writing and Reasoning) may take this six-credit course in the summer prior to enrollment or as an additional six credits during the first semester. Students who place into ENG 099 (Writing Skills Seminar) may take this three-credit course along with ENG 101 in the second semester for a total of six credits
- The college offers accelerated math and writing classes during the summer to help students meet entrance requirements for the fall.

Career and Transfer Outlook

Many employment opportunities are available in precision machining with a range of manufacturers, including those that serve the aeronautics, medical devices and robotics industries. Students are prepared for a variety of in-demand entry-level positions, such as Machine Operator, CNC Operator, Inspector, and Quality Technician. Success in these positions, combined with further education, can lead to higher level positions, such as Set-up Programmer, Machine Tool Mechanic, Mold Maker, Tool and Die Maker, and Cell Leader. The certificate is the first step on a career pathway that can lead to high paying mid- and upper-level machinist, engineering and management positions based upon completion of associate and bachelor degree programs.

To learn more, call us at **1-800-818-3434** or visit www.middlesex.mass.edu