Pathways to Achievement, Completion, Career & Transfer

ACADEMIC MAP

15 to FINISH
MIDDLESEX COMMUNITY COLLEGE

316

Engineering Technology – Computer Aided Design (CAD)
Certificate

START *here*

1

SEMESTER 1 – *FALL*	CREDITS	MILESTONE	COMPLETED
CAD 110 – Engineering Graphics I	3		☐
CAD 169 – Solid Modeling I	3		☐
CAP 101 – Microcomputer Applications	3		☐
Approved CAD Elective: CAD 205, CAD 227 –or– CAD 230	3		☐
TOTAL CREDITS	12		

2

SEMESTER 2 – *SPRING*	CREDITS	MILESTONE	COMPLETED
CAD 130 – Engineering Graphics II	3		☐
CAD 180 – Solid Modeling II	3		☐
CAD Elective: CAD 205, 227, 230 –or– 280	3		☐
Elective: CSC 101 –or– ITC 101 –or– NST 111	3		☐
TOTAL CREDITS	12		

You've **FINISHED!**

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

Helpful Hints

- Student needs either two CAD electives or one CAD elective with one elective from CSC, ITC or NST.
- The program must be started in the fall semester. It is only offered on the Bedford campus during the day.
- Students who intend to finish within a year should enroll in CAD 110 – Engineering Graphics I, CAD 169 – Solid Modeling I and CAP 101 – Microcomputer Applications in the first semester. Students must work with a faculty advisor to determine the courses to take during the spring semester.

Certificate Programs

Certificate programs can serve as the basis for further higher education or professional studies. Certificate programs require students to complete specified coursework, mainly related to particular fields of employment.

While many students enroll in a certificate program in preparation for direct entry into employment, they often return to college, part time or full time, and apply the credits previously earned to an associate degree program.

Career and Transfer Outlook

Graduates of the program work in various industries with departments in mechanical design or manufacturing. Some of the positions that MCC graduates have held are mechanical designer and mechanical engineering technician. Graduates of the certificate program may apply most or all of their credits toward an associate degree in Engineering Technology – CAD.

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

This Academic Map was funded, in part, by a $20,000,0000 grant awarded by the U.S. Department of Labor's Employment and Training Administration, Grant # TC-26450-14-60-A-25.