



SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

Engineering

2
Years

TO DEGREE

6
Classes

TO CERTIFICATE

42%

JOB GROWTH

Biomedical Engineer

1 in 5

ENGINEERING DEGREES ARE

Earned by Women

Program Overview

What do snowboards and spaceships have in common? They were both created by engineers. Engineering applies scientific and mathematical principles, judgment, and common sense to develop products, systems, or services that benefit society. The MPC Engineering program provides foundational training in core courses across the discipline, enabling students to use the engineering method to solve technical problems or create products or processes. Graduates from the program are prepared to transfer into bachelors' degree programs at prestigious universities.

Job Outlook

Whatever specialty they choose, engineers are in high demand across a broad spectrum of industries. Job growth is forecast to be in double digits in most disciplines, and graduates with a bachelor's degree in engineering earn the highest entry-level pay compared with other majors. Engineering skills are applicable to a range of STEM-related careers, and teaching provides another alternative for those who enjoy sharing their knowledge with others.

CAREERS

*Biomedical Engineers

\$61,140 - \$161,880

*Environmental Engineers

\$63,710 - \$149,760

*Mechanical Engineers

\$65,470 - \$161,970

*Computer Engineers

\$75,910 - \$208,000+

*Electrical Engineers

\$75,080 - \$188,850

* Requires additional training/experience
Source: Bureau of Labor Statistics
(CA data)



More than 100 engineering bachelor's degrees are offered throughout the CSU system. Work with a counselor to align MPC coursework with transfer opportunities.



Engineering

Suggested Course Sequence

Associate Degree in Science

IGETC GE Pattern

YEAR 1	FALL		SPRING		SUMMER	
		Units		Units		Units
	ENGL 1A	3	Area 1C	3	Math 20B	4
MATH 13	5	SPCH 1 (CSU only req.)				
ENGR 1A	3	ENGL 2	3			
Area 4	3	Math 20A	4			
US-1 Course rec.		ENGR 2	3			
LIBR 50	1	Area 3A	3			
Total Fall Units	15	Total Spring Units	16	Total Summer Units	4	

YEAR 2	FALL		SPRING	
		Units		Units
	PHYS 3A	4	Area 3B	3
Math 20C	4	ENGR 17	4	
Area 3A or 3B	3	PHYS 3B	4	
Area 4	3	Area 4	3	
US- 2 & 3 rec.		Area 6 (UC req. only)	0-5	
Area 5B	3			
Total Fall Units	17	Total Spring Units	14-19	

This is a suggested sequence of coursework and is one pathway for students to earn their degree/certificate. This is not an official educational plan. A counselor is able to assist you with creating a personalized education plan based on your academic, career, and personal goals. For more information about counseling and up-to-date program requirements, please visit www.mpc.edu/counseling.



Due to the tremendous support of inspirational teachers at MPC, I became fascinated by the field of chemistry and the prospect of using my engineering background to solve world problems. With encouragement from MPC faculty, I received two National Science Foundation-funded summer internships.

MPC has prepared me well for the next step in my educational career at UC Berkeley.

Luisa Dell

MPC Graduate

Monterey Peninsula College (MPC) is a fully accredited California public community college. The college is known for the excellence of its academic programs and student support services.

Campus Locations

Monterey
Marina
Seaside
Online

Website

www.mpc.edu/engr

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College