



SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

Chemistry

2-3
Years

TO TRANSFER

1 in 5

MEDICAL LAB TECHS HAVE

Associates Degree

9%

JOB GROWTH

Chemists

72

AMERICAN CHEMISTS

Nobel Prize Winners

Program Overview

Chemistry is the study of matter, including its composition, properties, and its potential transformations. Considered “the central science” because it draws from physics and mathematics, chemistry forms the foundation for life sciences, engineering, and medicine. Chemistry students learn about the particle nature of matter and its properties as well as chemical compounds and their reactions. Lab experiments and reporting give students practical experience in a research setting.

Job Outlook

A chemistry degree is the starting point for career paths ranging from medical professions to biotech and high tech materials research to analytical lab work in a variety of industries that include human health, wine making, and water quality, to name just a few. Many students planning to enter medical, dental, or pharmacy school major in chemistry. Those who go on to obtain advanced degrees in chemistry or biochemistry can become educators or researchers.

CAREERS

Chemical Technicians

\$30,480 - \$78,110

Medical/Clinical Lab Technicians

\$34,010 - \$100,840

*Chemists

\$42,260 - \$133,780

*High School Chemistry Teachers

\$56,560 - \$115,360

*Natural Sciences Managers

\$99,070 - \$208,000+

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



Our Top Transfer Colleges

UC Santa Cruz
Cal Poly Pomona
UC San Diego



Chemistry

Suggested Course Sequence

**Associate Degree
For Transfer**
IGETC GE Pattern

YEAR
1
Total Units:
30-35

FALL	
	Units
ENGL 1A	3
MATH 20A	4
CHEM 1A	5
Area 4: US-1 rec.	3
Total Fall Units	15

SPRING	
	Units
ENGL 2	3
MATH 20B	4
CHEM 1B	5
Area 3A	3
Total Spring Units	15

SUMMER	
	Units
Area 6 (UC req. only)	0-5
Total Summer Units	0-5

YEAR
2
Total Units:
31-32

FALL	
	Units
CHEM 12A	5
MATH 20C	4
PHYS 3A	4
Area 5B	3-4
Total Fall Units	16-17

SPRING	
	Units
CHEM 12B	5
PHYS 3B	4
Area 3B	3
Area 4	3
US-2 & 3 rec.	
Total Spring Units	15

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.



If you told me when I was 19 years old that I will one day be pursuing a PhD in biochemistry, I'd not believe it! The MPC Chemistry Department is made up of experienced faculty and staff that work to help you meet the goals you come in with, and inspire you towards ones you never thought possible.

David Buckley
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/chem

Contact Information

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MONTEREY PENINSULA
College