



SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM)

# Mathematics

**2**  
Years

TO TRANSFER

**35%**  
JOB GROWTH  
Statisticians

**6,542**  
NEW DATA SCIENTIST JOBS  
Annually in U.S.

**42**  
US STATES CLAIM SHORTAGES  
Of Math Teachers

## Program Overview

Mathematics provides a solid foundation for advanced study in a range of fields, from data science to physics to finance. Students in the Mathematics program hone their problem-solving skills; construct mathematical models of physical problems; and formulate, test and prove mathematical results. MPC's small class sizes allow for individualized instruction, resulting in transfer students feeling better prepared for upper-division coursework at four-year institutions.

## Job Outlook

In an increasingly complex, data-driven world, math matters more than ever. Many industries value math graduates for their analytical and problem-solving skills. With further study and training, graduates can work at research and development laboratories in interdisciplinary teams that may include economists, engineers, computer scientists, physicists, technicians, educators, and others. Additional study in statistics lays the foundation for a career in the fields of statistical research, data analysis, finance, public health, and psychology.

## CAREERS

### \*High School Math Teachers

\$56,560 - \$115,360

### \*Data Scientists

\$65,980 - \$179,900

### \*Computer Programmers

\$60,840 - \$155,210

### \*Financial Managers

\$73,830 - \$208,000+

### \*Statisticians

\$61,880 - \$162,480

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



### Our Top Transfer Colleges

CSU Monterey Bay

UC Santa Cruz

math, applied math; "4+1" master's option

Cal Poly San Luis Obispo

math; blended bachelor's/master's option



# Mathematics

## Suggested Course Sequence

**Associate Degree  
for Transfer**  
IGETC GE Pattern

YEAR	FALL		SPRING	
		Units		Units
	<b>1</b>	ENGL 1A	3	ENGL 2
	MATH 20A	4	MATH 20B	4
	Area 3A	3	Area 3B	3
	Area 4	3	Area 5A	3
	UC Elective	1	PHYS 3A rec.	
			Area 5C	1
	<b>Total Fall Units</b>	<b>14</b>	<b>Total Spring Units</b>	<b>14</b>
<b>Total Units:</b>	<b>28</b>			
YEAR	FALL		SPRING	
		Units		Units
	<b>2</b>	MATH 20C	4	Area 1C (CSU req. only)
	MATH 31	4	MATH 32	4
	Area 3A or B	3	IGETC 5B	3-4
	Area 4	3	Area 6 (UC req. only)	5
	Area 4	3	or UC Elective	
	<b>Total Spring Units</b>	<b>17</b>	<b>Total Spring Units</b>	<b>15-16</b>
<b>Total Units:</b>	<b>32-33</b>			

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](http://www.mpc.edu/counseling).



*MPC's Math program helped to develop the mathematical maturity necessary to succeed in the world-class computer science & engineering program at UC Berkeley. Every math class at MPC enabled me to solve increasingly challenging mathematical and logical problems with real-world applications. The faculty is extremely helpful, supportive, and definitely played a crucial role in my academic success.*

**Daniel Vazquez Guevara**  
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/math](http://www.mpc.edu/math)

### Contact Information

Connie Hebert  
Department Chair  
(831) 646-4083  
chebert@mpc.edu

Division Office  
(831) 646-4257



**MONTEREY PENINSULA**  
College