

## SCIENCE, TECHNOLOGY, ENGINEERING, & MATH

Your Pathway

# MATHEMATICS

Associate in Science for Transfer Degree

This degree will provide you with the fundamental skills, knowledge, and units required for transfer to a university to pursue a 4-year degree in Mathematics. With a bachelor's degree in this field, you will be qualified for employment in fields such as mathematics, engineering, statistics, actuarial science, business, management, law enforcement, government, and education.

### *Suggested Sequence of Classes*

#### **FALL SEMESTER – FIRST YEAR 14 units**

ENGL 1A College Composition 4 units  
 HIST 17A United States History 3 units  
 MATH 3A Calculus 3A 4 units  
 HLTH 1 Health and Wellness 3 units

#### **SPRING SEMESTER – FIRST YEAR 15 units**

ENGL 1C Critical Reasoning, Reading & Writing 3 units  
 CMST 60 Public Speaking 3 units  
 PHYS 4A Physics (Mechanics) 4 units  
 MATH 3B Calculus 3B 5 units

#### **SUMMER SEMESTER 4 units**

MATH 14 Introduction to Statistics 4 units

#### **FALL SEMESTER – SECOND YEAR 13 units**

HUM 4 Humanities Through Film 3 units  
 POLS 2 Introduction to American Government 3 units  
 MATH 4A Calculus 4A 4 units  
 MATH 6 Linear Algebra 3 units

#### **SPRING SEMESTER – SECOND YEAR 16 units**

AGNR 60 Environmental Science 3 units  
 HIST 2 World Civilization 3 units  
 ART 4 World Art 3 units  
 ETHS 1 Introduction to Ethnic Studies 3 units  
 MATH 4B Differential Equations 4 units

### **POTENTIAL CAREERS**

Statistician  
 High School Math Teacher  
 Software Engineer  
 Data Scientist

### **SALARY POTENTIAL**

\$119,820 per year

(source: ziprecruiter.com)



*Please meet with a counselor to customize your own educational plan, explore course options, and consider department and counseling faculty recommendations.*



**Shasta College**  
[www.shastacollege.edu](http://www.shastacollege.edu)

Shasta College is an equal opportunity educator and employer.



**Counseling**  
 (530) 242-7724