

# MATHEMATICS (MATH)

## TEACHING TRACK

A major in mathematics is valued by many employers looking for versatile employees with numerical and analytical skills. Take the secondary teaching track if you are considering becoming a high school teacher, since it includes relevant content such as Euclidean geometry, algebra and history/applications of calculus.

### TOP FIVE REASONS TO STUDY THIS MAJOR

1. Increase your capacity to think logically and analytically.
2. Develop numerical skills to solve complex problems.
3. Engage with a wide variety of pure and applied topics.
4. Prepare yourself for a wide variety of future careers or future studies.
5. Be part of an active and collaborative program.

### SKILLS YOU'LL DEVELOP

- Analytic reasoning
- Mathematical modeling
- Proofs in Euclidean geometry
- Historical perspective on calculus
- Probabilistic & statistical methods using appropriate software
- Mathematical writing using LaTeX
- Teaching and tutoring

## ALUMNI OCCUPATIONS



Where will your degree take you?

High School Teacher

Software Engineer

Insurance Broker

Technology Consultant

Actuary Analyst



College of  
Arts and Sciences

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# COURSES YOU WILL TAKE

## 1ST YEAR

Appropriate calculus  
(MATH 25x)

MATH 281, 341 &  
two math labs

## 3RD YEAR

MATH 343

MATH 316, 317 or 347,  
348 or 391, 392

## 2ND YEAR

CS 122 or 210

MATH 307 & two math labs  
or MATH 231 or 232

## 4TH YEAR

MATH 394 or 395

MATH 397

## CORE ED REQUIREMENTS

Core Education is approximately **71-83 credits** depending on transfer credits and placement scores:



<https://catalog.uoregon.edu/genedcourses/>

Scan the QR code for more on Core Ed Course Requirements!

## MAJOR CREDITS

Required  
Electives

44 Credits  
16 Credits

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Total

60 Credits

BS or BA DEGREE MINIMUM =  
**180 Total Credits**

# MAKING THE MAJOR YOURS

## SPECIALIZED COURSES

Linear Algebra

Number Theory

Analysis

Abstract Algebra

Euclidean Geometry

History & Applications  
of Calculus

Methods of Mathematical  
Statistical Methods

Cryptography

Machine Learning & Statistics

## ADD A MINOR OR CERTIFICATE

Computer Science

Physics

Biology

Geology

Economics

Data Science

Business Administration

## EXPERIENTIAL LEARNING



<https://cas.uoregon.edu/experiential-learning>

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## SCHOLARSHIPS



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