

Mathematics (MTH) at CSU

Why Mathematics?

- Employers in technology, science, research, finance, insurance, manufacturing, government and other areas want to hire mathematics majors because they can use modeling, problem-solving and critical thinking skills to find solutions to complex problems.
- The U.S. Bureau of Labor Statistics (<https://www.bls.gov/ooh/math/>) projects that overall employment in math occupations will grow much faster than the average for all occupations from 2022 to 2032.

And let's not forget:

MATH IS INTERESTING, CHALLENGING AND FUN!

Resources and Information

- Googling “What can I do with a Math Degree?” or “Is Math a good degree?” will lead you to many sources that all point to a math degree as being a highly valued qualification in a very wide range of business, entrepreneurship, government, industry and non-profit sectors. Check out <https://www.ams.org/profession/career-info/big> for more information
- Professional organizations for mathematicians, including
 - *American Mathematical Society* (<https://www.ams.org/programs/students/undergrad-highschool>)
 - *Society for Industrial and Applied Mathematics* (<https://www.siam.org/students-education/programs-initiatives/thinking-of-a-career-in-the-mathematical-sciences>)
 - *Mathematical Association of America* (<https://mathcareers.maa.org/>)

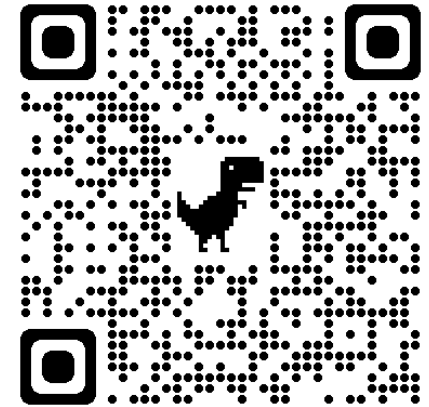
provide a wealth of information about contemporary mathematics, careers opportunities, grad school and more.

- Available upper-division MTH courses for fall and spring are listed inside

ENROLL NOW!

- Thinking of Majoring in Mathematics?
 - A math major is highly valued in a wide range of occupations as indicating strong analytical and problem-solving abilities.
- Thinking of Minor in Mathematics?
 - Engineering and Computer Science students are close to completing requirements for a minor in mathematics as part of their required coursework

Scan the QR code for more information. Contact Prof. Gold in the department of Mathematics and Statistics for advice.



MATH IS GOOD FOR YOU!

- Interested in student research opportunities?
 - Ask your instructor or contact Prof. Ryan in the Department of Mathematics and Statistics.
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Upper-Division MTH Courses Fall 2024-Spring 2025

(Check Schedule in CampusNet for Current Schedule)

Fall 2024

MTH301-Introduction to Number Theory
MWF 9:10-10:00

Instructor: Prof. Soprunov

MTH333-Geometry

TuTh 8:30-9:45

Instructor: Prof. Lupton

MTH386-Differential Equations

MWF 11:20-12:10

Instructor: Prof. Hoover

MTH401-Mathematical Modeling

MWF 12:25-1:15

Instructor: Prof. Ryan

MTH416-Complex Analysis

MW 4:00-5:50

Instructor: Prof. Soprunov

MTH493-Boundary Value Problems

TuTh 6:00-7:50

Instructor: Prof. Srinivasan

Spring 2025

MTH311-Numerical Analysis

MWF 11:20-12:10

Instructor: Prof. Hoover

MTH358-Abstract Algebra

TuTh 4:30-5:45

Instructor: Prof. Soprunov

MTH415-Real Analysis

MW 2:00-3:50

Instructor: Prof. Martins

MTH487-Dynamical Systems

MW 6:00-7:50

Instructor: Prof. Gao

For brief information about these upper-division courses and their pre-requisites, scan the QR code and follow the link. Contact their instructors for more details (emails are given in the link).



o Interested in CSU's Math Club?

- Meets Thursdays in common hour
- Free pizza; presentations by faculty and students; career talks; math-themed fun activities

Scan the QR code for more info and a calendar of events.



o STA323 and STA424 also count towards the math major!
