

**Department of
Mathematics and
Statistics**

UNIVERSITY OF VERMONT

MAJORS

Mathematics
Statistics
Data Science

MINORS

Mathematics
Statistics



OUR PROGRAMS

Courses

MATH courses:

Calculus sequence: MATH 1234, 1248, & 2248

Linear Algebra: MATH 2522 & 2544

Differential equations: MATH 3230

Abstract algebras: MATH 2551, 3551, & 3555

Combinatorics: MATH 2678

Complex analysis: MATH 3456

Cryptography: MATH 3559

Financial Mathematics: MATH 2700

Numerical analysis: MATH 3737

Real Analysis: MATH 2468, 3468, & 3472

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STAT courses

Statistics sequence: STAT 1110, 1410, 2430, 2830, 3210, 3880, & 5610

Probability: STAT 2510 & 5510

Biostatistics: STAT 3000

DATA SCIENCE courses

STAT 1870, 2870, 3010, & 3870





Community

- Math Club
- Statistics & Data Science Journal Club
- Peer Advising
- Hudson River Undergraduate Math Conference
- StatFest

Math Club

Every student interested in Mathematics is welcome to attend Math Club Meetings.

Math Club activities include:

- A yearly trip to the Hudson River Undergraduate Mathematics Conference.
- A meeting each semester to advise students on classes to take.
- A friendly math competition each semester against the faculty (Math Bee).
- Faculty talks throughout the year.
- And much more!



REUs, Honors Thesis, Internships

There are ample opportunities beyond the degree requirements

- Research Experience for Undergraduates (REU):

You get paid to pursue research projects with our faculty in regular semesters or during summer.

This experience can strengthen your resume.

We have plenty of REU slots. **So just apply!**

- Honors Thesis: for ambitious students.
- Internship examples:
Equitas Health, Kronos, Keurig Green Mountain



Our graduates are employed in a wide variety of occupations

- Keurig Green Mountain
- Walt Disney (Market Research)
- Boston Red Sox (Sabermetrics)
- Google
- The Mayo Clinic
- BMW
- Citi



EMPLOYMENT



Faculty

- 40 full-time faculty members in the department.
- 38% of full-time faculty members are women.
- Faculty in our department have been awarded many of the highest honors on campus:
 - Kroepsch Maurice Excellence in Teaching Award
 - George V. Kidder Outstanding Faculty Award
 - University Scholars
 - University Distinguished Professors



Research

Department faculty are very actively involved in basic and applied research in many academic areas

- Algebra, Number Theory, Combinatorics and Cryptography
- Applied and Physical Mathematics
- Statistical Methodology and applications in Medicine
- Making sense of Social Media Data





Outreach

Department faculty are involved in several outreach projects

- MATHCOUNTS
- High School Math Contest
- Governor's Institute in Mathematical Sciences
- Putnam Exam