MATHEMATICS

FUNDAMENTAL TOPICS

- Calculus I, II & III
- Linear Algebra
- Differential Equations
- Abstract Algebra
- Intermediate Analysis

ADVANCED TOPICS

- Complex Analysis
- Data Science & Statistical Learning
- Differential Geometry
- Mathematical Biology
- Number Theory
- Numerical Analysis
- Partial Differential Equations
- Probability
- Statistics for the Sciences
- Stochastic Processes

DEGREE OPTIONS

- Mathematics, B.S. or B.A.
  - Data Science Option, B.S.
  - Finance Option, B.S.
  - *teach*HOUSTON Option, B.A. or B.S.
- Mathematical Biology, B.S.

HIGH-IMPACT OPPORTUNITIES

- Learning Abroad
  - Travel the World
  - Experience New Cultures
  - Scholarships Available
- *teach*HOUSTON
- Undergraduate Research
- Minors or Double Majors

NSM CAPSTONE

The required capstone gives your degree a higher impact. Use the knowledge gained from your major in a larger perspective. Determine how that knowledge connects with other disciplines and discover new applications.

BALANCED CURRICULUM

Texas Core Courses:

- English
- History & Government
- Language, Philosophy & Culture
- Social & Behavioral Sciences
- Creative Arts
- Writing in the Disciplines

COURSE PLANNING

Mathematics students take a well-rounded semester course load, which includes math and sciences courses, as well as core and capstone requirements.

MATHEMATICS

UNIVERSITY of **HOUSTON**

NATURAL SCIENCES AND MATHEMATICS

DEGREES OFFERED

Mathematics (B.A., B.S.)

Data Science Option, B.S.
Finance Option, B.S.
*teach*HOUSTON Option, B.A. or B.S.

Mathematical Biology (B.S.)

www.uh.edu/nsm

nsminfo@nsm.uh.edu

UNIVERSITY of **HOUSTON**

NATURAL SCIENCES AND MATHEMATICS