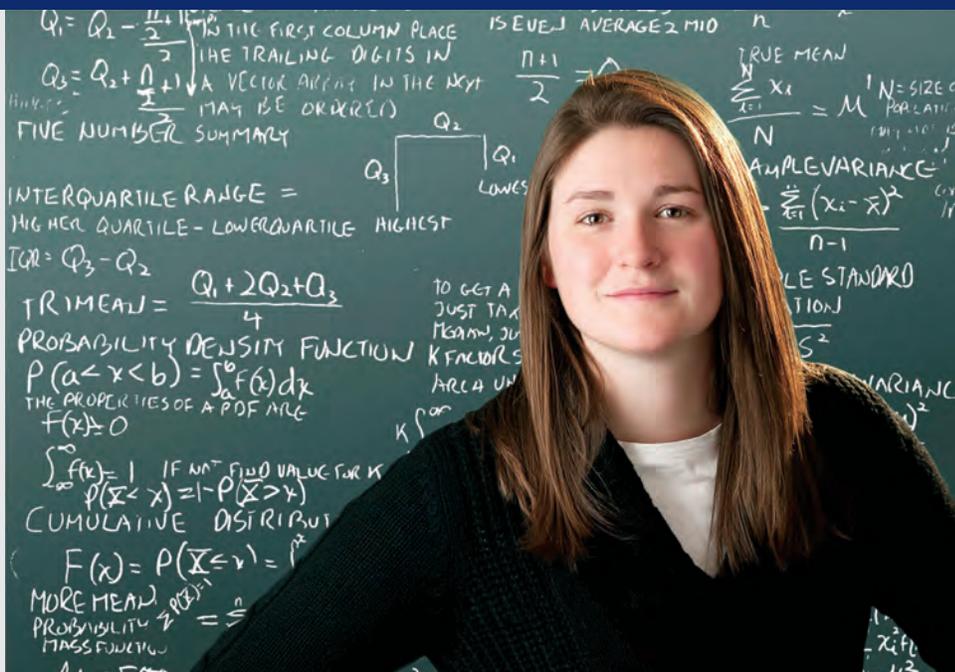


Department of Mathematical Sciences

The Department of Mathematical Sciences provides unique opportunities for innovative instruction and cooperative research. With approximately 30 Ph.D. faculty, and over 100 undergraduate majors and 100 graduate students, the department is large enough to attract and retain the most capable faculty, but small enough to allow faculty and students an intimate atmosphere for the easy exchange of ideas.



A FORMULA FOR SUCCESS

Applied and theoretical mathematics research in the department emphasizes dynamical systems, algebraic and differential topology, mathematical biology, and applied and computational mathematics.

Statistics research encompasses a broad range of theoretical and applied topics, with interdisciplinary opportunities in the environmental and biological sciences and statistics education.

The emerging area of data science is at the crossroads of statistical and mathematical research in the department.

Mathematics education research addresses applied and practical areas including teacher preparation, coaching and mentoring for in-service teachers, online learning and the teaching of mathematical modeling.

The Department of Mathematical Sciences is recognized as a leading department in mathematics, mathematics education, and statistics in the Rocky Mountain region. Bachelors, masters and doctoral graduates in all areas are pursuing successful careers in industry, government and academia.

OPPORTUNITIES IN MATHEMATICAL SCIENCES

Study abroad: Study abroad in countries such as England, Turkey and New Zealand.

Honors courses: Honors courses are available in Calculus I, Calculus II, Multivariable Calculus and Ordinary Differential Equations.

Research opportunities: There are research opportunities for undergraduate students either in the classroom (Software

Applications in Mathematics), one-on-one with individual faculty, or through internships.

Undergraduate workshops: The department has an active undergraduate workshop series covering careers, graduate schools, study abroad, internships and undergraduate research opportunities.

Mathematical Sciences major Zane Huttinga received a 2016 Goldwater Scholarship.



