

Welcome to the Homepage of ***Department of Mathematics and Statistics***

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The Department of Mathematics and Statistics (DOMS) is a vibrant community where mathematicians and statisticians converge to explore, innovate, and educate. We offer a comprehensive range of academic programs, spanning the bachelor's, master's, and doctoral levels. Thus, besides our faculty and postdoctoral visitors, our community includes a large and valuable cadre of hard-working and talented undergraduate and graduate students.

At the undergraduate level, we offer two degree options in Mathematical Sciences: the Bachelor of Arts (BA) (more flexible) and the Bachelor of Science (BS) (more intensive).

Within each degree, students can choose one of three tracks: Mathematics, Data Science & Statistics (DSS), or Actuarial Science. We also offer a Mathematics minor.

At the graduate level, we have the **PhD in Mathematical Sciences**, **Master of Arts (MA) in Mathematics**, and **MS in Data Science & Statistics** degrees. The latter includes a 4+1 program in which students can earn a BA or BS in Mathematical Sciences alongside a master's degree in data science and statistics within five

years.

While our highest degree is a PhD in *Mathematical Sciences*, a significant number of our doctoral dissertations are written on research topics in *Data Science and Statistics*.

All faculty members and postdoctoral visitors are active researchers. The main areas of concentration in the department are: **Algebra, Analysis, Combinatorics, Data Science and Statistics** and **Geometry/Topology**. Additionally, there is active research that falls between and bridges the main areas. See the Research Areas page for more specific research topics.

The photos above were taken by Jinghao Li, Ph.D. 15'.

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