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Department of Mathematics and Statistics

Calculus at Binghamton Check out the Problem of the Week.

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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 <u>main areas of concentration</u> 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 <u>Research Areas</u> page for more specific research topics.

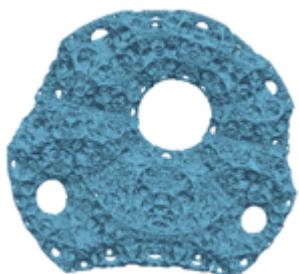*The photos above were taken by Jinghao Li, Ph.D. 15'.*

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