

Mathematics

Website (<https://cos.northeastern.edu/mathematics/>)

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Mathematics is of ever-increasing importance to our society and everyday life. It has long been the language of science and technology and provides a rich source of methods for analyzing and solving problems encountered in the physical world. Today, mathematics is essential in virtually all fields of human endeavor including business, the arts, and the social sciences.

PhD students work with internationally recognized faculty in research programs in both pure and applied mathematics. The program is designed to provide students with a broad overview of current mathematics and a strong command of areas of specialization.

The Department of Mathematics also offers Master of Science degrees in mathematics, applied mathematics, operations research, and statistics, as well as a graduate certificate in applied mathematics. These programs prepare students for careers in business, industry, or government. Students pursuing degrees in applied math and operations research take part in Northeastern University's signature co-op program.

In addition to the numerous seminars and colloquia at Northeastern, there are ample opportunities for students in the Boston area to learn about important recent advances in the field.

Programs

Doctor of Philosophy (PhD)

- Mathematics (<https://catalog.northeastern.edu/graduate/science/mathematics/mathematics-phd/>) (Boston)

Master of Science (MS)

- Applied Mathematics (<https://catalog.northeastern.edu/graduate/science/mathematics/applied-mathematics-ms/>) (Boston)
- Mathematics (<https://catalog.northeastern.edu/graduate/science/mathematics/mathematics-ms/>) (Boston)
- Statistics (<https://catalog.northeastern.edu/graduate/university-interdisciplinary-programs/statistics-ms-bos/>) (Boston)
- Statistics—Connect (<https://catalog.northeastern.edu/graduate/university-interdisciplinary-programs/statistics-ms-connect-bos/>) (Boston)

Master of Science in Operations Research (MSOR)

- Operations Research (<https://catalog.northeastern.edu/graduate/science/mathematics/msor/>) (Boston)

Graduate Certificate

- Applied Mathematics (<https://catalog.northeastern.edu/graduate/science/mathematics/applied-mathematics-graduate-certificate/>) (Boston)