



DREXEL UNIVERSITY UNDERGRADUATE PROGRAMS

# MATHEMATICS

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## DREXEL UNIVERSITY COLLEGE OF ARTS AND SCIENCES DEPARTMENT OF MATHEMATICS

Drexel University's Bachelor of Science and Bachelor of Arts in Mathematics provide a healthy foundation of abstract reasoning, applications and computing. Each program includes a core set of requirements for all students, as well as flexible electives to best match students' professional goals. Many courses are data-driven, and all are current with modern industry standards to prepare students for success during their co-op positions and after graduation. The department's academic adviser helps students develop their career paths and choose applicable courses to fit their interests and goals. Our dedicated faculty are also readily accessible and often mentor students on a variety of research projects and independent studies.

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## DEGREES OFFERED

Mathematics (BA, BS, MS, PhD)  
Accelerated BS/MS in Mathematics  
Minor in Actuarial Science

## FOR MORE INFORMATION

Admissions  
[drexel.edu/undergrad](https://drexel.edu/undergrad)  
College of Arts and Sciences  
[drexel.edu/coas](https://drexel.edu/coas)  
Department of Mathematics  
[drexel.edu/math](https://drexel.edu/math)

## UNDERGRADUATE STUDIES

### Bachelor of Science in Mathematics

The Bachelor of Science in Mathematics allows students to experience a broad range of mathematical topics, while gaining a depth of expertise in a specific area. Students can choose to emphasize computing, abstract reasoning and/or mathematical modeling to gain a competitive advantage when entering the job market or any PhD program.

### Bachelor of Arts in Mathematics

The Bachelor of Arts in Mathematics provides a strong general mathematics background while allowing students to create a program tailored to their interests. This is extremely useful for students pursuing careers in teaching or in the actuarial profession. Students are required to take additional courses in science, economics, finance, computer science or engineering, which are chosen based on students' interests. Because the BA offers more free electives, students who are interested in other fields are able to pursue a second major.

### Minor in Actuarial Science

The minor in actuarial science is designed to provide students with the quantitative and analytical skills to obtain an entry-level position in the actuarial sciences profession.

## DREXEL CO-OP

Through Drexel's renowned cooperative education program, math students embark on up to three, six-month periods of employment in industry and research positions, exploring their career options, strengthening their résumés and building a professional network in the process. Students may choose from a five-year, three co-op program, or a four-year, one co-op program. A number of our graduates build their careers on their co-op experience, while others use it to sample a variety of work settings and tailor their career paths.

### Industry Co-ops

Recent math majors have held successful co-op positions in areas such as finance, health care and insurance. Past employers include Susquehanna International Group, the Bryn Mawr Trust Company, Independence Blue Cross, the Philadelphia Department of Commerce, and Johnson & Johnson, among others.

### Research Co-ops

Our department offers unique opportunities for undergraduates to work on long-term, full-time research projects with internationally known mathematicians. Projects vary in topic and are derived from individual faculty research programs.

## DRAGONS TEACH

The Dragons Teach program allows students to obtain secondary teaching certification and provides another career option for math majors. Designed to address the national need for STEM teachers, this program streamlines the path to a teaching certificate. Learn more at [drexel.edu/dragonsteach](http://drexel.edu/dragonsteach).

## STUDENT ORGANIZATIONS

### Math Student Organization (MSO)

Open to all students, this organization provides opportunities to explore math beyond the classroom and to interact with students who share similar interests. The MSO organizes a variety of activities, as well as events featuring invited guests, and is dedicated to guiding aspiring actuaries.

### Society for Industrial and Applied Mathematics (SIAM)

The goal of this Drexel student chapter is to generate interest in applied mathematics and to create opportunities for networking and meeting students with similar interests.

## THE MATH RESOURCE CENTER

Staffed by full-time faculty, teaching assistants and math majors, the Math Resource Center is where Drexel students go to prepare for exams, get help with homework or attend one-on-one tutoring sessions. Students who tutor in the center have the opportunity to interact with their peers, faculty and graduate students, while earning extra money.



## CONTACT US

### College of Arts and Sciences

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### Undergraduate Admissions

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