

MATHEMATICS

PLV



The demand for qualified mathematically-trained professionals is found in nearly every industry and profession, including biological and physical sciences, computer science, economics, engineering, finance, operations research, and political science. The Mathematics Department offers two undergraduate majors, a **Bachelor of Arts in Mathematics** and a **Bachelor of Science in Mathematics**, as well as minors in Mathematics and in Applied Statistics. All of our programs, while structured, are flexible and can be tailored to suit our students' individual goals. Students who wish to pursue teaching can enroll in our combined **BA in Mathematics / MST in Adolescent Education** or **BS in Mathematics / MST in Adolescent Education** degree programs.

Our programs provide students with the logical reasoning, quantitative, and analytical thinking skills necessary to compete in today's complex global environment. We continually strive to improve our students' knowledge acquisition through ongoing refinement of the instructional process that blends theory with practice. Many of our courses are offered online.

BA IN MATHEMATICS

This degree is ideal for those students who wish to attain a broad-based liberal arts and science education. It is a generalized program that enables students to develop critical-thinking, problem solving, analytical, and quantitative skills. Its flexibility allows students to pursue a double major or complete up to two minors. Many of the mathematics majors are double majors in Economics or Computer Science.

BS IN MATHEMATICS

This degree is ideal for those students who desire to achieve a more in-depth education in mathematics. It helps prepare students for employment in quantitative or technical fields such as actuarial science, computer science, finance, operations research, statistics, and science, or for graduate study. Students are encouraged to choose a minor designed to enhance their professional aspirations.

CLASS SIZE

Class size is deliberately kept small so that faculty members and students get to know each other and work effectively together to create an interactive and successful learning environment.

CAPSTONE EXPERIENCE

All of our programs include a capstone course in which each student is required to complete a research project under the guidance of the instructor and present the results of the research to students in the class and members of the faculty.

INTERNSHIPS

Our internship program enables qualified students to pursue an internship at one of the many corporations housed in the Hudson Valley region. The internship experience broadens a student's perspective and provides the opportunity to apply knowledge in a professional setting that can often lead to full-time employment.

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SUCCESS STARTS HERE

Kalli Bader '15, Mathematics, minors in Biology and Chemistry

"The Mathematics Department at Pace University is truly remarkable. The staff and faculty members are always available to help in any way they can. The classroom sizes are generally small, which gives you an advantage to develop strong relationships with the professors. I have had the privilege to work with a professor one-on-one for math research and received great guidance and delved into new math topics that weren't covered in the classroom. Obtaining a BS in mathematics is rigorous, but the mathematics department has served as an incredible support team in helping me achieve my goals. It has been an unforgettable experience."

Richard Brun Jr. '15, double major in Mathematics and Chemistry, minor in Physics

"The quality education I received from Pace University's Mathematics Department has been of paramount importance to my understanding of the sciences. The outstanding faculty have facilitated my comprehension of math from college algebra all the way to mathematical techniques in differential equations. This knowledge inspires my interest in the physical sciences, where solid math skills are fundamental."

Kaylee Pina '15, combined degree, BA in Mathematics and MST in Adolescent Education

"Pace University's Mathematics Department is filled with talented faculty and staff who care for their students. The faculty members are extremely knowledgeable in mathematics, and generously pass their knowledge along to each student, encouraging them to become better researchers. I have had a wonderful experience with the Mathematics Department during my four years at Pace University. I have learned a tremendous amount and have experienced what it means to become a researcher. The faculty helped me understand math, and they also helped me learn how to teach it. The Mathematics Department and Pace University is an excellent resource for students interested in mathematics."

CONTACT

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STUDENT HONOR SOCIETY

Students who attain high achievement in mathematics can become members of the Kappa Mu Epsilon National Honor Society in Mathematics.

DEDICATED FACULTY

Members of our faculty are nurturing teachers and advisors, as well as researchers, who are easily accessible to students. Faculty members also provide independent learning opportunities on a one-to-one basis for qualified students.

