

GRADUATE STUDIES IN MATHEMATICS

Georgia Tech's School of Mathematics prepares future scholars to address fundamental open questions in mathematics and explore their applications in science and technology.

Doctoral Programs

MATHEMATICS

This Ph.D. program — our most popular — is designed to train first-rate academic researchers in a broad range of subdisciplines, as well as mathematical scientists working in the private sector or the government.

ALGORITHMS, COMBINATORICS, AND OPTIMIZATION (ACO)

Offered in collaboration with the College of Computing and the School of Industrial & Systems Engineering, this program equips students with a strong fundamental academic base that will enhance their research options.

COMPUTATIONAL SCIENCES AND ENGINEERING (CSE)

A highly interdisciplinary program, CSE emphasizes the integration and application of principles from mathematics, science, engineering, and computing to create computational models for solving real-world problems.

BIOINFORMATICS

This multidisciplinary field merges concepts from the physical sciences, life sciences, computer science, and engineering to solve fundamental and applied problems in biology and medicine.

QUANTITATIVE BIOSCIENCES (QBIOS)

This interdisciplinary program prepares a new generation of researchers for discoveries and careers at the interface of physical, mathematical, computational, and biological sciences.

MACHINE LEARNING (ML)

This program focuses on the development of computer programs capable of both teaching themselves and performing without requiring explicit programming when new information is processed.

FOR MORE INFORMATION

Please see math.gatech.edu/grad-programs or contact the school's graduate advisors at dgs@math.gatech.edu.





Master's Programs

We offer Mathematics and Computational Sciences and Engineering (CSE) at the M.S. level, and there are also two additional master's options:

QUANTITATIVE AND COMPUTATIONAL FINANCE (QCF)

Managed by the Scheller College of Business, this program provides students with the skills to lead in the formulation, implementation, and evaluation of the models used in the financial sector.



STATISTICS

Offered jointly with the School of Industrial & Systems Engineering, this program emphasizes the discipline as a science applicable to the technological environment. It provides the background for a successful career in statistics.

About Us

IMPRESSIVE RANKINGS

The School of Mathematics is currently ranked No. 20 nationally by U.S. News & World Report, and No. 33 worldwide, according to Shanghai Ranking's Academic Ranking of World Universities.



HIGHLY DISTINGUISHED FACULTY

More than 50 permanent faculty members are world leaders in virtually every field of pure and applied mathematics, with 75% holding individual research grants at any time, and 16 having received American Mathematical Society fellowships.



LOW STUDENT-TO-FACULTY RATIO

Our 110:55 Ph.D. student-to-permanent faculty ratio is one of the nation's lowest for a math program, which ensures an intensive level of interaction between students and faculty and the highest student satisfaction rating of any school on campus.



100% POST PH.D. EMPLOYMENT SUCCESS RATE

All our Ph.D. students start rewarding careers immediately after graduation, with over half entering academia as professors or postdoctoral associates. Employers have included many leading math departments (such as MIT, Cambridge, Princeton, University of Chicago, UCLA) and well-known organizations from a diverse range of sectors in government and industry (such as Amazon, META, Wells Fargo, and Sandia National Labs).



Admissions

The deadline for Fall 2024 admission is **December 15, 2023**. Students with a bachelor's degree in Mathematics or related fields and good preparation for graduate study may apply for admission directly into the doctoral program. Completion of the master's degree is not a prerequisite. Other requirements include the TOEFL exam for international students. Virtually all students admitted to our PhD programs are offered full financial support including tuition waivers and stipends in the forms of teaching or research assistantships.