

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

We offer six Ph.D. 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.

## 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 primarily provides the background for a successful career in statistics.

FOR MORE INFORMATION ON ALL  
OUR GRADUATE PROGRAMS,  
INCLUDING APPLICATION AND  
ADMISSION PROCEDURES, VISIT:  
**WWW.MATH.GATECH.EDU/GRAD-PROGRAMS**

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Georgia Institute of Technology  
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Atlanta, GA 30332  
Phone: 404.894.2700  
Email: [dgs@math.gatech.edu](mailto:dgs@math.gatech.edu)



Many factors come together to distinguish the School of Mathematics as a global leader in mathematical research and education.

#### IMPRESSIVE RANKINGS

The School of Mathematics is currently ranked **No. 28 nationally** by *U.S. News & World Report*, and **No. 38 worldwide**, according to ShanghaiRanking's *Academic Ranking of World Universities*.

#### HIGHLY DISTINGUISHED FACULTY

More than 60 permanent faculty members are world leaders in virtually every field of pure and applied mathematics, with 75 percent holding individual research grants at any time, and 12 having received American Mathematical Society fellowships.

#### LOW STUDENT-TO-FACULTY RATIO

Our 86:61 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, generating 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. In recent years, employers have included many leading math departments (such as Berkeley, Cambridge, Courant Institute, Princeton, University of Michigan, UCLA) and well-known organizations from a diverse range of sectors in government and industry (such as Amazon, JP Morgan, NCR, NSA, Oracle, WalmartLabs, Wells Fargo, and Yahoo).

## ADMISSIONS

More than 90 percent of students begin in the fall semester, but students may apply for admission and financial support for the spring term as well. The deadline for fall applications is in December.

All doctoral program applicants must submit scores from the General and Subject Tests of the Graduate Record Examination (GRE). International students whose native language is not English must pass the Test of English as a Foreign Language (TOEFL).

## FINANCIAL AID

All our doctoral students receive full tuition waivers and stipends as teaching or research assistants. Top doctoral candidates also have the opportunity to earn the Presidential Fellowship, Goizueta Fellowship, and National Science Foundation Fellowships.

## LOCATION

Georgia Tech offers a traditional-style campus setting in the heart of Midtown Atlanta — a dynamic, cosmopolitan city offering extraordinary professional, cultural, and recreational opportunities. The campus is served by two subway stations providing direct access to the world's busiest airport.

Midtown Atlanta has been undergoing growth in recent years, and, in 2016, was named "One of the great places in America" by the American Planning Association.

