MATHEMATICS AND STATISTICS

College of Arts and Sciences

116 Petty Building
336-334-5836
https://mathstats.uncg.edu/

Ratnasingham Shivaji, Head of Department
Dan Yasaki, Associate Head of Department
Maya Chhetri, Director of Graduate Study
Sebastian Pauli, Director of Undergraduate Study

The Department of Mathematics and Statistics offers undergraduate and graduate degrees. The goal of all of the Department's programs is to produce students who are both technically competent and sufficiently well grounded in theory that they can contribute to fundamental research in their chosen specialty. There are many opportunities for graduates of mathematics programs in industry, government, business, research, and teaching.

The faculty consists of nationally and internationally recognized researchers in diverse areas of mathematics, statistics, and mathematics education. They are outstanding professionals committed to teaching excellence, and they take great pride in guiding students to enjoy the beauty of mathematics. The department has been hosting various professional conferences and special events, lecture series, colloquia, and seminars. These activities have greatly enhanced the student learning experience at UNC Greensboro.

Mission Statement
The mission of the Department of Mathematics and Statistics at the University of North Carolina at Greensboro is to provide intellectual leadership in the mathematical sciences that is of direct benefit to the State of North Carolina and that commands national and international respect for the quality of its educational programs and for its depth of scholarship.

Undergraduate
The Department of Mathematics and Statistics offers undergraduate programs leading to the B.A. and B.S. degrees in Mathematics, as well as a minor in Mathematics and a minor in Statistics. To give a professional direction to the student's liberal arts education, the mathematics major may choose a concentration in mathematics, statistics or high school teaching licensure. There are many opportunities for math majors in industry, actuarial sciences, government, business, and secondary school teaching. The mathematics programs also provide excellent preparation for graduate studies in many areas, including computer science, economics, engineering, law, mathematics, operations research, and statistics.

Graduate
The department offers a variety of outstanding graduate programs. A graduate degree in Mathematics is not only an excellent choice for students who pursue a career in teaching and/or research, there are also many opportunities in banking, consulting, government, and the IT industry. Most of our graduate students are supported via attractive graduate assistantships.

The Department of Mathematics and Statistics offers a Ph.D. in Computational Mathematics, a Masters in Mathematics, and a Post-Baccalaureate Certificate in Statistics. Additionally, students pursuing a doctoral degree from another department at UNCG may obtain a doctoral minor in statistics.

Professor
Maya Chhetri
Richard H. Fabiano
Sat Narain Gupta
Scott James Richter
Ratnasingham Shivaji, Helen Barton Excellence Professor
John Stufken, Bank of America Excellence Professor, Professor
Haimeng Zhang

Associate Professor
Gregory C. Bell
Igor Erovenko
Talia Fernos
Xiaoli Gao
Tom Lewis
Sebastian Georg Manuel Pauli
Jonathan T. Rowell
Filip Saidak
Clifford Dieter Smyth
Brett Allen Tangedal
Dan Yasaki

Assistant Professor
Yu-Min Chung
Michael B Hull
Jianping Sun
Yi Zhang

Visiting Assistant Professor
Elizabeth Fowler Lewis
Thomas A McConville

Lecturer
Monika Goel
Matt Winston Jester
Analise Linnea Sofia Rodenberg
James Edward Rudzinski
Joshua B Safley
Stephen Michael Steward

Senior Academic Professional
Tracey H. Howell

G Graduate-level faculty

• Mathematics, B.S. (https://catalog.uncg.edu/arts-sciences/mathematics-statistics/mathematics-bs)
• Mathematics Undergraduate Minor (https://catalog.uncg.edu/arts-sciences/mathematics-statistics/mathematics-minor)
• Mathematics Second Academic Concentration (https://nextcatalog.uncg.edu/arts-sciences/mathematics-statistics/mathematics-second-academic-concentration)
• Computational Mathematics, Ph.D. (https://catalog.uncg.edu/arts-sciences/mathematics-statistics/computational-mathematics-phd)

Mathematics Disciplinary Honors
Requirements
• A minimum of 12 credit hours as detailed below.
• UNC Greensboro cumulative GPA of 3.30 or better or, for transfer students, cumulative GPA of 3.30 or better from all prior institutions.
• A grade of B or higher in all course work used to satisfy the Honors requirement in Mathematics

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td><strong>Required</strong></td>
<td>6-9</td>
</tr>
<tr>
<td>MAT 493</td>
<td>Honors Work *</td>
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<tr>
<td>HSS 490</td>
<td>Senior Honors Project</td>
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<td><strong>Select two courses from the following:</strong></td>
<td>6</td>
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<tr>
<td>MAT 310</td>
<td>Elementary Linear Algebra</td>
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<tr>
<td>MAT 311</td>
<td>Introduction to Abstract Algebra</td>
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<tr>
<td>MAT 390</td>
<td>Ordinary Differential Equations</td>
<td></td>
</tr>
<tr>
<td>MAT 395</td>
<td>Introduction to Mathematical Analysis</td>
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* To be taken before HSS 490

Recognition
Receive a Certificate of Disciplinary Honors in Mathematics; have that accomplishment, along with the title of the Senior Honors Project, noted on the official transcript; and be recognized at a banquet held at the end of the spring semester.

Honors Advisor
Contact Richard Fabiano at fabiano@uncg.edu for further information and guidance about Honors in Mathematics. To apply: http://honorscollege.uncg.edu/forms/disc-application.pdf