MATHEMATICS AND
STATISTICS

College of Arts and Sciences
116 Petty Building
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www.uncg.edu/mat

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

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. 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.

To give a professional direction to the student’s liberal arts education, the mathematics major may choose a concentration in 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 Study Preparation
Students planning to pursue graduate study should contact their advisor as soon as possible to prepare a plan of study.

Graduate
The department offers a variety of outstanding graduate programs. Our faculty and staff serve nearly 4,000 students every year. The faculty consists of nationally and internationally recognized researchers in diverse areas of mathematics, statistics, and mathematics education. They are also outstanding professionals committed to teaching excellence, and they take great pride in guiding our students to enjoy the beauty of mathematics.

The department has also been hosting various professional conferences and special events, lecture series, colloquia, and seminars. These activities have greatly enhanced our students’ learning experience at UNC Greensboro. Most of our graduate students are supported via attractive graduate assistantships.

Professor
Maya Chhetri
Richard H Fabiano

Sat N Gupta
Scott J Richter
Jan Rychtar
Ratnasingham Shivaji, Helen Barton Excellence Professor
Jerry Vaughan
Haimeng Zhang

Associate Professor
Gregory C Bell
Igor Erovenko
Talia Fernos
Xiaoli Gao
Sebastian G Pauli
Filip Saidak
Clifford D Smyth
Brett A Tangedal
Dan Yasaki

Assistant Professor
Yu-Min Chung
Tom Lewis
Jonathan T Rowell
Jianping Sun
Yi Zhang

Visiting Assistant Professor
Sahana Hassan Balasubramanya
Elizabeth Fowler Lewis

Lecturer
Richard T Cheek
Monika Goel
Matt Winston Jester

Senior Academic Professional
Tracey H Howell

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)
• Computational Mathematics, Ph.D. (https://catalog.uncg.edu/arts-sciences/mathematics-statistics/computational-mathematics-phd)

Mathematics Disciplinary Honors
Requirements
• 12 credit hours
<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MAT 310</td>
<td>Elementary Linear Algebra</td>
<td></td>
</tr>
<tr>
<td>MAT 311</td>
<td>Introduction to Abstract Algebra</td>
<td></td>
</tr>
<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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**Contract Honors Courses**

Select two from the following:

- MAT 310  Elementary Linear Algebra
- MAT 311  Introduction to Abstract Algebra
- MAT 390  Ordinary Differential Equations
- MAT 395  Introduction to Mathematical Analysis

**Required**

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Must be taken in the sequence listed.

- MAT 493  Honors Work
- HSS 490  Senior Honors Project

**Qualifications**

- 3.30 or greater cumulative GPA at graduation
- A grade of B or higher in all course work used to satisfy the Honors requirement in Mathematics
- A declared Mathematics major

**Recognition**

The designation “Completed Disciplinary Honors in Mathematics” and the title of the Senior Honors Project will be printed on the student’s academic transcript.

**Honors Advisor**

See Dr. Richard Fabiano, Honors Liaison, for further information and guidance about Honors in Mathematics.