



THE UNIVERSITY  
of NORTH CAROLINA  
at CHAPEL HILL

# THE UNIVERSITY OF **NORTH CAROLINA** **AT CHAPEL HILL**

## **MATHEMATICS GRADUATE PROGRAM**

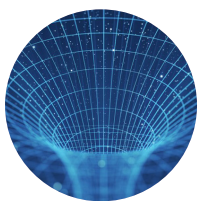
UNC-Chapel Hill, the flagship of the University of North Carolina system, is considered a Public Ivy, with approximately **20,000 undergraduate** and **12,000 graduate students**. The Department of Mathematics has roughly **30 tenured or tenure-track faculty members** and **10 postdoctoral faculty members**. The faculty, postdocs, and **more than 80 PhD students** make a vibrant and first-rate mathematical community, pursuing research and teaching at the highest levels.

### RESEARCH AREAS



#### **Algebra, Geometry, and Topology**

Algebraic geometry, combinatorics, commutative algebra, complex manifolds, lie groups and algebra, mathematical physics, representation theory, singularity theory



#### **Analysis and PDEs**

Complex analysis, dynamical systems, ergodic theory, harmonic analysis and operator theory, mathematical relativity, microlocal analysis, partial differential equations



#### **Applied and Computational Mathematics**

Applied analysis, computational mathematics, data science, stochastics, and diverse interdisciplinary applications, including biology, medicine, pharmacology, fluid dynamics, physics, and material science, supported by experimental labs and computational facilities

**44% of our PhD grads** take postdoctoral and teaching positions at prestigious universities. **31% of our PhD grads** are employed by business and industry, and **25% of our PhD grads** go to government agencies, research institutes and other not-for-profits.

### HIGHLIGHTS

#### **PhD and Masters Program**

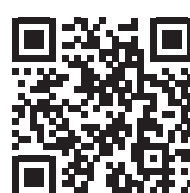
- World-class research
- Committed to advancing underrepresented minorities
- Supportive and collaborative environment
- Diverse community
- 20+ graduate courses per year
- Finish your PhD in 4-6 years
- Finish your Master of Science in 2 years
- Promising career paths
- Training and mentoring for teaching
- National and international conference travel
- Summer research internships
- Integrated pure and applied math communities
- Extensive experimental and computational facilities

#### **Financial Support for Phd Students**

- Full tuition waiver
- Nine-month stipend
- Comprehensive benefits
- Competitive Teaching or Research Assistantships
- Most students receive additional funding in the summers through teaching or research positions
- Dedicated departmental support to identify and apply for graduate fellowships
- One of the most affordable research universities for graduate education

### LOCATION

Located between the Appalachians and the shores of the Outer Banks, the Research Triangle is one of the most prominent high-tech research and development areas in the United States.



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