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

**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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