An invitation to
Master of Science in Mathematics at Rutgers University-Camden
Department of Mathematical Sciences

Website: https://math.camden.rutgers.edu

Graduate Director:
Haydee Herrera-Guzman
haydeeh@Camden.rutgers.edu

Administrative Assistant:
Ms. Sangeetha Maheshwari
sm1308@camden.rutgers.edu
856-225-6076
What do we offer?

The graduate program in mathematics offers a master’s degree in

- **Pure Mathematics**
- **Applied and Computational Mathematics**.

Students who complete their degree have many career options:

- Academic career: teaching at the college level or earning a doctoral degree.
- Career in industry: insurance companies, research and development teams at different companies, statisticians, etc.
Admission Requirements

• Bachelor’s degree in science or mathematics, with a GPA greater than 3.0
• GRE scores
• Two letters of recommendation

If your degree is not in science/mathematics, then you need to have taken Calculus I, II and III, and Differential equations and/or Linear Algebra. These courses could be taken anywhere where they are offered.
Graduation Requirements

To graduate, a student must complete:

- 10 courses or 30 credits
- Pass 3 1-hour comprehensive exams
- Writing requirement: either
  - Master’s Thesis, or
  - expository or critical essay.

(In the case of writing a Thesis, the 3 comprehensive exams will be waived)
Graduate Courses

- 56:645:503-504 Theory of Functions of a Complex Variable (3,3)
- 56:645:505-506 Analysis (3,3)
- 56:645:508 Mathematical Reasoning (3)
- 56:645:527-528 Methods of Applied Mathematics (3,3)
- 56:645:531 Geometry (3)
- 56:645:532 Differential Geometry (3)
- 56:645:533-534 Introduction to the Theory of Computation I,II (3,3)
- 56:645:540 Computational Number Theory and Cryptography (3)
- 56:645:545 Topology (3)
- 56:645:549-550 Linear Algebra and Applications (3,3)
- 56:645:551-552 Abstract Algebra (3,3)
- 56:645:560 Industrial Mathematics (3)
- 56:645:562 Mathematical Modeling (3)
- 56:645:563 Statistical Reasoning (3)
- 56:645:570 Special Topics in Pure Mathematics (3)
- 56:645:571 Computational Mathematics I (3)
- 56:645:572 Computation Mathematics II (3)
- 56:645:578 Mathematical Methods in System Biology (3)
- 56:645:580 Special Topics in Applied Mathematics (3)
- 56:645:698 Independent Study in Pure Mathematics (3)
- 56:645:699 Independent Study in Applied Mathematics (3)
- 56:645:700 Thesis in Pure Mathematics (3)
- 56:645:701 Thesis in Applied Mathematics (3)
Important links:

- Faculty members: https://math.camden.rutgers.edu/faculty/
- Research: https://math.camden.rutgers.edu/research/
- Graduate school: https://graduateschool.camden.rutgers.edu/
- Admissions office: https://graduateschool.camden.rutgers.edu/prospective-students/
- Contact information: https://math.camden.rutgers.edu/about/
Accelerated Program

- **Save time!** Enroll in graduate courses during your senior year that count towards both your bachelors and master’s degree. You may take up to three courses.
- **Save money!** Graduate-level courses taken during the fall and spring semesters of your senior year are billed at the undergraduate tuition rate.
- [https://graduateschool.camden.rutgers.edu/prospective-students/accelerated-degree-program/](https://graduateschool.camden.rutgers.edu/prospective-students/accelerated-degree-program/)
How to apply to the Accelerated Program:

JUNIOR YEAR

• **First Semester Junior Year**
  Interested students should meet with the Graduate Program Director to determine eligibility.

• **Second Semester Junior Year**
  - Apply to the program through the Graduate Program Director.
  - If accepted, you work with the Graduate Director to determine what course to enroll in for the first semester of your senior year.