

MATHEMATICAL SCIENCES

Research Pathways

Undergraduate research is a cornerstone of our mission at Rutgers–Camden. Our goal is to provide as much support as possible in order for you to have a successful research experience. We offer research grants worth up to \$1,500.00, and travel grants of up to \$2,000.00. Travel grant applications are accepted on a rolling basis, while research grant applications are deadline-based: September 30, December 2, and April 28.

Mathematical sciences majors are required to take the following courses before engaging in research:

- 50:640:121 Calculus I
- 50:640:121 Calculus II
- 50:640:221 Calculus III
- 50:640:250 Linear Algebra OR 50:640:253 Linear Algebra with Applications
- 50:640:314 Elementary Differential Equations

Additionally, mathematical science majors are encouraged to contact a faculty member who is a member of the mathematical sciences department about potential projects.

The faculty listed below are Research Mentors who encourage you to contact them to learn more about research opportunities:

Dr. Siqi Fu

sfu@camden.rutgers.edu

Professor

(Complex Analysis, Partial Different Equations, Spectral Theory)

Dr. Haydee Herrera

haydeeh@camden.rutgers.edu

Associate Professor

(Geometry, Topology)

Dr. Benedetto Piccoli

piccoli@camden.rutgers.edu

Professor

(Systems Biology (Systems Pharmacology, Circadian Rhythms, Developmental Biology, Epidemiological Models including COVID-19), Traffic Modeling, Crowd Dynamics)