

Mathematics

How can I succeed with this major?



RIDER
UNIVERSITY

INDUSTRY

What can I do with this major?

- Research
- Development
- Design
- Data Processing
- Testing
- Operations

Where do I want to work?

- Industries including:
 - Manufacturing
 - Transportation
- Aerospace
- Communications
- Machinery

How to get there...

- Note that greatest demand is for applied mathematicians with skills in computer science, electronics design and theory, statistics and probability.
- Develop computer and research skills. Learn to use relevant software packages.

GOVERNMENT

What can I do with this major? (Government)

- Research
- Administration

Where do I want to work?

- Federal agencies including Defense, Labor, Justice, Agriculture, Health and Human Services, Transportation, Commerce, Treasury, NASA, and Library of Congress
- State agencies involving research and problem solving teams

How to get there...

- Become familiar with government hiring procedures.
- Make contacts through involvement in campus, local, or state politics.
- Obtain internship with local, state, or federal government.

Tips: FYI

- Math majors develop transferable skills including critical thinking, problem diagnosis and solving, computer skills, and quantitative skills.
- A bachelor's degree is often sufficient for entry-level positions, but an advanced degree may open the door to more upper-level opportunities. Pair a strong background in mathematics with another technical discipline such as computer science or engineering.
- Gain experience through volunteering, internships, and part-time or summer jobs.

Mathematics

How can I succeed with this major?

MARKET RESEARCH

What can I do with this major?

- Data Collection
- Information Analysis

Where do I want to work?

- Market research firms
- Consumer goods manufacturing firms

How to get there...

- Develop good oral and written communication skills.
- Acquire a business minor.
- Volunteer to assist a professor with research.
- Become a student member of the American Marketing Association.

COMPUTERS

What can I do with this major?

- Programming
- Systems Analysis
- Data Processing
- Information Systems
- Software Development

Where do I want to work?

- Computer hardware and software firms
- Service companies
- Manufacturing firms
- Government (federal, state, and local)
- Financial institutions

How to get there...

- Develop advanced computer skills.
- Gain knowledge of computer languages and programming.
- Take classes and earn relevant certifications.
- Gain relevant experience through internships, part time, or summer jobs.

Advice from professors

- Advanced students are urged to get involved with research and are offered opportunities to take individualized courses with faculty members.
- Graduating students have been prepared rigorously for a career in mathematics, its allied fields, teaching, or graduate study.
- Graduates from the program have attended graduate school in mathematics, engineering, and mathematics education.

FOR MORE INFORMATION

Terri Marriott 609-895-5454 / marriott@rider.edu or Lauren Nicolosi 609-896-52712 / lnicolosi@rider.edu