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?

- 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
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Adapted from The University of Tennessee Career Services, “What Can I Do With This Major?” (2011)