What can I do with a degree in Mathematics?

**Our mission is to expose the students of Morehouse College to a wide and balanced mathematical curriculum, which includes a variety of areas. To accomplish this mission we incorporate in our courses materials that motivate students and increase their abilities. We introduce students to a variety of applications of Mathematics.**

The Department of Mathematics strives to produce students capable of successful graduate work or careers in private industry or government.

We strive to produce students who are capable of reasoning abstractly, practically, and who will be able to use new technologies to solve real-world problems.

**Goals and Objectives**

- To enhance learning among students in mathematics
- To enhance the teaching of mathematics
- To enhance the undergraduate research among students in mathematics
- To plan the strategic development of the mathematics at the College

**Job Types**

**Research & Development**
- Design
- Data Processing
- Testing
- Operations
- Quality Control
- Statistical Processing Control
- Environmental Analysis
- Consulting

**Where to find them**
- Industries including:
  - Manufacturing
  - Transportation
  - Aerospace
  - Communications
  - Machinery
  - Electrical equipment
  - Pharmaceuticals
  - Other private industries
  - Consulting firms

**Ways to Prepare**

- Note that the greatest demand is for applied mathematicians with skills in computer science, electronics design and theory, statistics and probability.
- Develop computer and research skills, and learn to use relevant software packages.
- Earn a master’s degree in math, business, or related field for advanced positions or for consulting jobs.
- Maintain excellent GPA for graduate or professional school admission.
- Gain relevant experience through internships, volunteering, summer jobs, or part-time jobs.
- Develop good oral and written communication skills.
- Learn to work well in a team.

**Job Types**

**Research**
- Government
- Administration

**Where to find them**
- Federal agencies including
- State agencies involving research and problem solving

**Ways to Prepare**

- Become familiar with governmental hiring procedures.
- Make contacts through involvement in campus, local, or state politics.
- Obtain internships with local, state, or federal government.
- Join related professional organizations.
- Maintain a high grade point average.
### Job Types

**MARKET RESEARCH**
- Data Collection
- Information Analysis

<table>
<thead>
<tr>
<th>Where to Find Them</th>
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<tbody>
<tr>
<td>Market research firms</td>
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<tr>
<td>Consumer goods manufacturing firms</td>
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### Ways to Prepare
- 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.
- Assist with canvassing/phone interviewing for charities or political campaigns.
- Complete a market research internship.

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### Job Types

**COMPUTERS**
- Programming
  - Systems
  - Applications
- Systems Analysis
- Data Processing
- Information Systems
- Software Development
- Networking
- Hardware
- Training

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<thead>
<tr>
<th>Where to Find Them</th>
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<tbody>
<tr>
<td>Computer hardware and software firms</td>
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<td>Service companies</td>
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<tr>
<td>Manufacturing firms</td>
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<tr>
<td>Government (federal, state, and local)</td>
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<td>Financial institutions</td>
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<tr>
<td>Wholesale and retail trade firms</td>
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<tr>
<td>Custom software builders</td>
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<tr>
<td>Service companies</td>
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<tr>
<td>Specialization training organizations</td>
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<tr>
<td>Educational publishers</td>
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<td>Consulting firms</td>
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### Ways to Prepare
- 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.
- Learn effective listening and verbal communication skills.
- Stay abreast of the latest developments in computer technology.
- Develop good interpersonal and communication skills.
- Obtain experience with public speaking and teaching and learn to develop curricula for training positions.
- Master technical writing skills.
- Some areas may require a graduate degree.

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### Job Types

**INSURANCE**
- Actuarial
- Underwriting
- Claims
- Risk Management
- Sales

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<tr>
<td>National and regional brokerage firms</td>
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<td>Discount brokerage houses</td>
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<tr>
<td>Commercial banks</td>
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<tr>
<td>Financial organizations</td>
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</table>
The field of mathematics is expansive, and the information listed above does not exhaust possible career options. Be sure to speak with your department chair or academic advisor for further guidance on course selections, as well as career planning.