



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

Government

Research
Administration

Where to find them

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

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

Where to Find Them

Market research firms
Consumer goods manufacturing firms

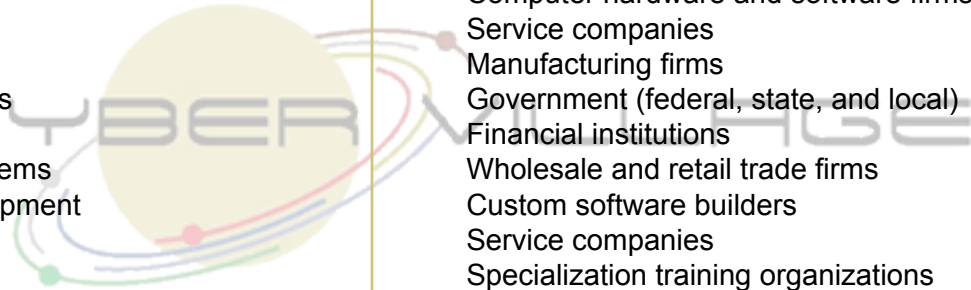
Ways to Prepare

- 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.

Job Types

COMPUTERS

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



Where to Find Them

Computer hardware and software firms
Service companies
Manufacturing firms
Government (federal, state, and local)
Financial institutions
Wholesale and retail trade firms
Custom software builders
Service companies
Specialization training organizations
Educational publishers
Consulting firms

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, parti-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.

Job Types

INSURANCE

Actuarial
Underwriting
Claims
Risk Management
Sales

Where to Find Them

National and regional brokerage firms
Discount brokerage houses
Commercial banks
Financial organizations

INSURANCE (cont'd)

Ways to Prepare

- Develop strong computer skills.
- Acquire a business minor to take supplemental courses in business or statistics.
- Become the treasurer of an organization.
- Obtain experience in fundraising campaigns.
- Join related professional associations.
- Gain relevant experience through internships.
- Become familiar with exams and/or certifications required for actuarial positions.

Job Types

BANKING

Branch Management
Credit Lending
Operations
Systems
Trusts

Where to Find Them

Commercial banks
Regional banks
Savings and loan associations
Credit unions

Ways to Prepare

- Complete an internship in a financial institution.
- Develop good interpersonal skills.
- Obtain a business minor.
- Develop excellent computer skills.
- Demonstrate attention to detail.
- Become the financial officer or treasurer of a campus organization.

Job Types

EDUCATION

Teaching
-Elementary
-Secondary
-Post-Secondary
Research
Administration

Where to Find Them

Public schools
Private schools
Colleges and universities

Ways to Prepare

- Obtain appropriate state license and/or certification for public school teaching positions.
- Volunteer to teach, supervise, or tutor with organizations such as Big Brother/Sister, YMCA, or churches.
- Develop excellent written and oral communication skills.
- Acquire a master's degree for teaching at community college level or Ph.D. for teaching positions at the college or university level.
- Take courses in public speaking.
- Learn to work well with all types of people.

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.