What can I do with a major in **Mathematics**?

**Overview**

- Mathematics is a discipline and art that is elegant and challenging, requiring ingenuity as well as logic. First of all, mathematics is a fascinating study in its own right. Based upon pure reasoning, it has a permanence not found in other fields—the Pythagorean Theorem is as valid now as it was thousands of years ago. However, far from being an exercise in cold computation, mathematics is a creative endeavor. It deals with real numbers as well as complex numbers, three dimensions as well as infinite dimensions (even fractional dimensions).

- Mathematics is relevant in today’s society. Its properties and methods are used to address and solve a myriad of real-world problems. It has applications in everyday life as well as a wide variety of fields such as physics, business, art, chemistry, music and economics. With its combination of imagination and formal logic, a major in mathematics helps prepare students for careers in education, actuarial science, engineering, computer science and law.

**Career Titles**

- Accountant
- Actuary
- Aerospace Engineer
- Air Traffic Controller
- Applications Programmer
- Applied Science Technologist
- Appraiser
- Architect
- Artificial Intelligence
- Asset-Liability Management
- Astronomer
- Attorney
- Auditor
- Banking/Credit/Investment Manager
- Benefits Administrator
- Biometrician/ Biostatistician
- Budget Analyst
- Cartographer
- CIA/FBI Agent
- Claims Adjuster
- Commodity Manager
- Compensation/Benefits Administrator
- Computer Consultant
- Computer Engineer
- Computer Facilities Manager
- Computer Installation
- Computer Marketing Representative
- Computer Programmer
- Computer Scientist
- Computer-Aided Design
- Econometrician
- Economist
- EDP Auditor
- Employee Relations
- Engineer
- Engineering Lab Technician
- Environmental Technologist
- Equity Trader
- Estate Planner
- External Auditor
- Financial Auditor
- Financial Consultant
- Financial Manager
- Foreign-Exchange Trader
- Hydro Geologist
- Hydrologist
- Industrial/Institutional Buyer
- Information Scientist
- Insurance Agent/Broker
- International Trade Specialist
- Inventory Control Specialist
- Investment Banker
- IRS Investigator/Agent
- Lawyer
- Loan/Credit Officer
- Market Research Analyst
- Mathematical Researcher
- Mathematician
- Mathematics Editor
- Media Buyer
- Pollution Meteorologist
- Production Manager
- Production Support
- Professor
- Programmer/Analyst
- Psychometrician
- Public Health Statistician
- Purchasing/Contract Agent
- Quality Assurance Analyst
- Rate Analyst
- Research Analyst
- Researcher
- Risk & Insurance Specialist
- Risk Analyst
- Robotics Programmer
- Satellite Communications
- Securities Analyst
- Securities Broker
- Seismologist
- Software Developer
- Software Engineer
- Software Support Specialist
- Statistical Analyst
- Statistician
- Stockbroker
- Surveyor
- Systems Analyst
- Systems Engineer
- Systems Programmer
- Teacher
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<th>Technician</th>
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<td>Credit/Loan Officer</td>
<td>Cryptographer/Cryptologist</td>
<td>Network Programmer</td>
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<td>Data Control Administrator</td>
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<td>Data Processing Manager</td>
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<td>Database Manager</td>
<td>Demographer</td>
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<td>Demographer</td>
<td>Developer of Educational Tools</td>
<td>Physicist</td>
<td>Weight Analyst</td>
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### Employers

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<td>Computer Firms</td>
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<td>Corporate Systems Programs</td>
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<td>Data Analyst Firms</td>
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<td>Defense Logistics Agency</td>
<td>NASA</td>
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<td>Defense Mapping Agency</td>
<td>National Highway Traffic Safety Administration</td>
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<td>Department of Defense</td>
<td>Nonprofit Organizations</td>
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<td>Department of Energy</td>
<td>Pharmaceutical Companies</td>
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<td>Drug Enforcement Administration</td>
<td>Private Organizations</td>
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<tr>
<td>Energy System Firms</td>
<td>Real Estate Firms</td>
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### Skills

| Ability to analyze & interpret data | Detail oriented | Organizational skills |
| Ability to initiate projects | Efficient | Problem solving |
| Ability to relate to many different people | Excellent listening skills | Programming and computing |
| Adapting ideas | Flexible | Reliable |
| Advanced quantitative skills | Formulate and solve problems | Seeing connections between ideas |
| Arguing logically | Gathering Information | Self-confidence |
| Comparing and summarizing | Good verbal and written skills | Systemizing skills |
| Computer literacy | Highly motivated | Team skills |
| Critical thinking | Logical thinking | Testing skills |
Defining issues
Mathematical modeling and simulation
Weighing values
Designing/directing projects
Numerical computation
Well disciplined

Salary
NACE (National Association of Colleges and Employers) Spring 2014 Salary Survey Average Offers:
- Mathematics Bachelor’s Degree: $47,000

The job titles and employers listed below are a sample of the results from the annual St. Norbert College Career Services graduate follow-up survey for the Classes of 2003-2013.

Graduate Information: Job Titles
- 2nd Lieutenant
- Customer Service Representative
- Sales Clerk
- Actuary
- Financial Analyst
- Substitute Teacher
- Administrative Assistant
- High School Math Teacher
- Teacher
- Associate Accountant
- Math Teacher
- Technology Center Manager/Teacher
- Claims Support Representative
- Math Teacher
- Contract Auditor
- Pension Analyst
- Volunteer Coordinator

Graduate Information: Employers
- American Eagle
- Freedom Area School District
- Notre Dame of De Pere Middle School
- American Express
- Green Bay Area Public Schools
- Old Navy
- AmeriCorps
- Greendale School District
- Pulaski School District
- Brillion Public Schools
- Hortonville Area School District
- Stillwater Public Schools
- Caremark
- Human
- Trade Associates Group
- Community Financial Group
- Mercer Human Resource Consulting
- U.S. Army
- Northern Trust

For the most current information about Majoring in Mathematics from Career Services, including links regarding Alumni Profiles, Career Information, Professional Associations, and Jobs and Internships, please visit:

http://www.snc.edu/career/students/majors/math.html