

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



OFFICE OF
CAREER & PROFESSIONAL
 DEVELOPMENT

▪ Corporate Finance Analyst	▪ Mortgage Researcher	▪ Textbook Editor
▪ Cost Estimator/Analyst	▪ Network Programmer	▪ Transportation Planner
▪ Credit/Loan Officer	▪ Numerical Analyst	▪ Treasury Management Specialist
▪ Cryptographer/Cryptologist	▪ Operations Research Analyst	▪ Trust Analyst
▪ Data Control Administrator	▪ Optician	▪ Underwriter
▪ Data Processing Manager	▪ Payroll Manager	▪ Urban Planner
▪ Database Manager	▪ Pharmacologist	▪ Value Engineer
▪ Demographer	▪ Physicist	▪ Weight Analyst
▪ Developer of Educational Tools		

Employers

▪ Aerospace Companies	▪ Engineering Firms	▪ Research & Development Firms
▪ Aircraft/Missile Manufacturers	▪ Financial Institutions	▪ Research Agencies
▪ Airlines	▪ Government Agencies	▪ Sales Firms
▪ Banks	▪ Hospitals	▪ Savings & Loan Associations
▪ Bureau of Labor Statistics	▪ Insurance Companies	▪ School Systems
▪ Central Intelligence Agency	▪ Investment Firms	▪ Securities Firms
▪ Chemical and Pharmaceutical Manufacturers	▪ Justice Department	▪ Software Support Firms
▪ Colleges & Universities	▪ Library of Congress	▪ Stock Brokerage Houses
▪ Computer Firms	▪ Local & State Planning Offices	▪ Systems Analyst Companies
▪ Computer Sciences Corporations	▪ Manufacturing Firms	▪ Systems Engineer Companies
▪ Corporate Systems Programs	▪ Market Research Firms	▪ Technical Journals
▪ Data Analyst Firms	▪ Mortgage Companies	▪ Test Development Corporations
▪ Defense Logistics Agency	▪ NASA	▪ Textbook Publishing Companies
▪ Defense Mapping Agency	▪ National Highway Traffic Safety Administration	▪ Transportation Department
▪ Department of Commerce	▪ National Security Agency	▪ U.S. Customs Service
▪ Department of Defense	▪ Nonprofit Organizations	▪ U.S. Information Agency
▪ Department of Energy	▪ Pharmaceutical Companies	▪ Veterans Administration
▪ Drug Enforcement Administration	▪ Private Organizations	▪ Weights and Measures Office
▪ Energy System Firms	▪ Real Estate Firms	

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) Summer 2012 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 2003-2010.

Graduate Information: Job Titles

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|---------------------------------|-----------------------------------|--|
| ▪ 2nd Lieutenant | ▪ Customer Service Representative | ▪ Sales Clerk |
| ▪ Actuary | ▪ Financial Analyst | ▪ Substitute Teacher |
| ▪ Administrative Assistant | ▪ High School Math Teacher | ▪ Teacher |
| ▪ Claims Support Representative | ▪ Math Teacher | ▪ Technology Center
Manager/Teacher |
| ▪ Contract Auditor | ▪ Pension Analyst | ▪ Volunteer Coordinator |

Graduate Information: Employers

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|-----------------------------|---------------------------------------|-----------------------------|
| ▪ American Express | ▪ Freedom Area School District | ▪ Old Navy |
| ▪ AmeriCorps | ▪ Green Bay Area Public Schools | ▪ Pulaski School District |
| ▪ Brillion Public Schools | ▪ Greendale School District | ▪ Stillwater Public Schools |
| ▪ Caremark | ▪ Hortonville Area School District | ▪ Trade Associates Group |
| ▪ Community Financial Group | ▪ Humana | ▪ U.S. Army |
| ▪ De LaSalle Institute | ▪ Mercer Human Resource
Consulting | |