



OVERVIEW

Mathematics is the language of science and technology, and it provides methods for analyzing and solving problems. Mathematics also plays a role in business, the arts, and the social sciences. Students can combine Mathematics with another major or minor, including Computer Science, Physics, Biology, Geology or Economics, to gain a broader range of skills. Mathematical training may lead to co-ops, internships and careers in applied research, mathematical research, teaching, or industry.

Concentrations: Pure math, Applied Math, Actuarial Science, Math Education

Department website: <http://www.math.neu.edu>

SAMPLE JOB TITLES

Accountant*	insurance Underwriter
Actuary	Market Researcher
Artificial intelligence Researcher*	Math Professor* (college level)
Bioinformatics Researcher*	Math Teacher
Biostatistician*	Mathematician
Data Miner	Quality Assurance Analyst
Economist*	Statistician
Financial Analyst	Technical Writer

Positions that require additional education or training are indicated by a ().*

Job qualifications are based not only on degree program, but on skills and experience. Students should seek out as many experiential opportunities in their fields of interest as possible, including Co-op and internships.

TYPES OF EMPLOYERS

Armed Services	Public and Private Schools
Banks/Investment Firms	Research institutes
Colleges and Universities	State/Federal Government
Engineering Firms	Technical Journals
Insurance Agencies	Utility Companies
Market Research Firms	

INTERNSHIPS

These sample titles can be used to research internship opportunities in the field.

Actuarial Intern
Analyst Intern (Business, Financial, Sales)
Research Assistant
Assistant Teacher

To search for internship opportunities, login to [Husky Career Link](#), Career Services' online job and internship bank for opportunities with employers seeking to hire NU students.

CO-OPS

For more information, please visit the department's website.

Students enrolled in the *College of Professional Studies* may click [here](#) for co-op and internship information.

CAREER EXPLORATION & JOB POSTINGS

The following resources include various websites and campus resources that will aid you in exploring this career field and industry.

CAREER & JOB WEBSITES

[MassCIS – Massachusetts Information System](#)

[Bureau of Labor Statistics – Occupational Outlook handbook](#)

[Vocational Biographies](#) (Username: NE Univ; password: RAZDE)

[O*NET OnLine](#)

[Math Jobs](#)

[Actuarial Jobs](#)

[Insurance Jobs](#)

[Financial Jobs](#)

[Banking Jobs](#)

CAMPUS ORGANIZATIONS & ACTIVITIES

Beta Alpha Psi

Finance and Investment Club

NU Future Educators

Math Club

**For additional student organizations click [here](#).*

**For additional student activities click [here](#).*

PROFESSIONAL ASSOCIATIONS

Find valuable industry information, job sites, and professionals in the field you may contact for informational interview requests and networking opportunities.

[Math Association of America](#)

[American Mathematics Society](#)

[National Council of Teachers of Math \(K-12\)](#)

[American Statistical Association](#)

[The Society of Industrial and Applied Math](#)

[Actuarial Professional Society](#)

[Operations Research Professional Society](#)

[Assn for the Advancement of Artificial Intel](#)

[International Society for Computational Biology](#)

[Association for Financial Professionals](#)

SOCIAL MEDIA

Sample LinkedIn.com Groups providing resources such as industry trends, company information, job listings, and networking opportunities within the field:

[Actuary Network - The #1 Group for Actuaries](#)

[Math, Math Education, Math Culture](#)

[Applied Mathematics](#)

[The Math Connection](#)