

WHAT CAN I DO WITH MY MAJOR?

MATHEMATICS

Mathematics explores patterns, numbers, shapes, and relationships through logic and abstraction to solve problems and understand fundamental principles in various fields such as science, engineering, and business.

COMMON JOB TITLES * additional education or certification required post graduation

ENTRY & MID LEVEL POSITIONS

Actuary *
Computer Systems Analyst
Data Scientist*
Financial Market Analyst
Statistician*
Math Teacher/Professor*
Statistical Programmer
Data Mining Analyst*

Software Engineer*
Underwriter*
Quantitative Analyst
Mathematician*
Technical/Statistical Consultant
Operations Research Analyst
Business Intelligence Analyst
Investment Analyst*

AREAS OF EMPLOYMENT: WHERE DO MATHEMATICS MAJORS TYPICALLY WORK?

Tech & Computer Companies: Google, Intel, IBM

Investment Firms: Fidelity Investments, Charles Schwab, Asset Strategies

Insurance Companies: Mutual of Omaha, Woodmen Life, Physicians Mutual

Manufacturing & Logistics Companies: Union Pacific, Valmont, Werner

Government: NE Dept. of Labor, NE Dept. of Transportation

Schools & Universities: Omaha Public Schools, UNO, UNL

Engineering Firms: HDR, Inc, Olsson, Alvine Engineering

Healthcare Companies: BD Health, Nebraska Medicine, Methodist

Nonprofit Organizations: Omaha Community Foundation, NE Humane Society

Energy & Utility Companies: OPPD, MUD, Tenaska

Consulting Firms: Bridge & Trust, Deloitte, Fahrenheit Advisors

Banks: FNBO, Pinnacle Bank, U.S Bank

IMPORTANT QUALITIES:

Transferable Skills Gained:

Problem-Solving & Reasoning
Attention to Detail
Critical Thinking Skills
Analytical Skills
Abstract Thinking

Concrete Skills Gained:

MATLAB
R
Python
SAS & SPSS
Tableau

HOW TO DEVELOP YOUR SKILLS :

Join a **UNO Mathematics Student Organization** to connect with other students and faculty

Explore **UNO Mathematics Student Opportunities** to receive hands on experience & apply your learning outside of the classroom

Volunteer or work in the **UNO MatheMaverick Zone** to help other students with their work and to increase your leadership skills

WHAT CAN I DO WITH MY MAJOR? MATHEMATICS

MAJOR + MINOR SPECIALIZATION: HOW CAN I SPECIALIZE IN SOMETHING BEFORE I GRADUATE?

Mathematics + Cybersecurity minor = Cryptanalyst

* additional education or certification required post graduation

Mathematics + Business Analytics minor = Financial/Investment/Business Intelligence Analyst

Mathematics + Management Information Systems minor = Computer Systems Analyst/Technical Consultant

OCCUPATIONAL OUTLOOK:

Mathematicians & Statisticians

Financial Analysts

Actuaries

Systems Analysts

Operations Research Analysts

Data Scientists

EMPLOYMENT OPPORTUNITIES:

Check out daily job postings on **Handshake** related to accounting jobs, internships, and opportunities to boost your student experience

ADDITIONAL EDUCATION:

A **Masters degree** or **Doctoral Degree** may be beneficial or required after graduation depending on your desired career path. Advanced degrees offer opportunities for research, specialization, and development

More information:

UNO Graduate Programs in Mathematics

UNL Graduate Programs in Mathematics

OTHER RESOURCES :

UNO Department of Mathematical & Statistical Sciences

Career Exploration in Career Services

U.S. Bureau of Labor Statistics: Occupational Outlook Handbook

NEED SOME EXTRA HELP?


Book an appointment with Career Services

Book an appointment with your Advisor

Career Services

 EAB 113

 6001 Dodge Street, Omaha, NE 68182

 402.554.3672

 careers.unomaha.edu

 careers@unomaha.edu

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