

MATHEMATICS

University of Northern Iowa College of Humanities, Arts & Sciences

<https://uni.edu/math/>

ABOUT THE MAJOR

Mathematics majors study quantities, forms, and symbolic logic in such subjects as algebra, geometry, calculus, logic, topology, and number theory. Studying math is more than just being good at numbers; it is a broad topic that tackles a number of different concepts in which students often choose an area of concentration.

SAMPLE COURSEWORK

Calculus I	Mathematics of Finance
Linear Algebra for Applications	Topics in Secondary Mathematics
Discrete and Argumentative Mathematics	Introduction to Mathematical Statistics
Regression Analysis	Euclidean Geometry

POSSIBLE CAREERS *some titles may require further education

Cryptographer	Financial Planner	Programmer Analyst	Energy Analyst
Mathematician	Investment Analyst	Purchasing Agent	Math Teacher
Economist	Statistician	Market Researcher	Data Analyst
Actuary	Operations Research Analyst	Cost Estimator	Software Tester

UNI GRADUATES: WHERE ARE THEY NOW?

- John Deere
- Principal Financial Group
- Des Moines Public Schools
- CBE Companies
- Kirkwood Community College
- Hawkeye Community College
- Hy-Vee, Inc.
- ACT
- DISTek Integration, Inc.
- Dipont Education
- ACS Abu Dhabi
- Purdue University Global
- California State University, LA
- BCIT
- Culver Academies
- Kemin Industries



SKILLS NEEDED

- Critical thinking
- Problem solving
- Analytical thinking
- Quantitative reasoning
- Ability to manipulate precise ideas
- Time management
- Logical argumentative skills
- Independent thinking

HOLLAND CODES

IER