

# MATHEMATICS

University of Northern Iowa College of Humanities, Arts & Sciences

<https://chas.uni.edu/math/majors/mathematics-major>

## 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 several different concepts in which students often choose an area of concentration.

## Sample Course Work

Calculus I, II, III

Linear Algebra for Applications

Discrete and Argumentative Mathematics

Dynamical Systems: Chaos Theory and Fractals

Senior Mathematics Seminar

## Possible Careers

\*Some titles may require further education

Actuary

Purchasing Agent

Math Teacher

Cryptographer

Market Researcher

Mathematician

Financial Planner

Economist

Statistician

Programmer Analyst

Cost Estimator

Data Analyst

## 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