# Mathematics

University of Northern Iowa College of Humanities, Arts & Sciences
[https://uni.edu/math/](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

<table>
<thead>
<tr>
<th>Mathematics of Finance</th>
<th>Calculus I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topics in Secondary Mathematics</td>
<td>Linear Algebra for Applications</td>
</tr>
<tr>
<td>Introduction to Mathematical Statistics</td>
<td>Discrete and Argumentative Mathematics</td>
</tr>
<tr>
<td>Euclidean Geometry</td>
<td>Regression Analysis</td>
</tr>
</tbody>
</table>

## 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**