

BACHELOR OF ARTS IN MATHEMATICS



MINORS OFFERED

- MATHEMATICS
- MATHEMATICS
TEACHER LICENSURE

TWO UNDERGRADUATE OPTIONS

B.A. IN MATHEMATICS

The Bachelor of Arts in Mathematics offers a comprehensive program designed to enable students to enjoy mathematics, engage in research, pursue advanced studies, or enter the field in any number of settings. Coursework features a broad range of experiences and there are additional opportunities for a variety of interests.

REQUIREMENTS

The Mathematics Major requires 44 credit hours in the Department of Mathematics and Computer Science.

Courses consist of:

- Calculus
- Probability and Statistics
- Differential Equations
- Computer Science
- Linear Algebra
- Abstract Algebra
- Topology
- Analysis
- Seminar

B.A. IN MATHEMATICS FOR TEACHER LICENSURE

The Bachelor of Arts in Mathematics: Teacher Licensure prepares students for careers in secondary education. This program builds on a strong component of mathematics courses and includes field experiences, methods courses, and student teaching. This major is part of Eastern's long tradition of excellence in the education of teachers.

REQUIREMENTS

The Mathematics for Teacher Licensure major requires 50 credit hours in the Department of Mathematics and Computer Science.

Courses consist of:

- Calculus
- Geometry
- Probability and Statistics
- Computer Science
- Abstract Algebra
- Technology in Mathematics
- Linear Algebra
- History of Mathematics
- Mathematics Education

FOR MORE INFORMATION CONTACT:
**DEPARTMENT OF MATHEMATICS
& COMPUTER SCIENCE**

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eiu.edu/math

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B.A. IN MATHEMATICS

Additional coursework

General Education (approx. 40 credit hours) and additional electives are needed to complete a minimum of 120 credits for graduation.

Additional Opportunities

Opportunities here include but are not limited to:

- Numerical Analysis
- Complex Variables
- Linear Programming
- Non-Euclidean Geometry
- Independent study/research

B.A. IN MATHEMATICS FOR TEACHER LICENSURE

Additional coursework is required for General Education (approx. 40 credit hours) and by the College of Education and Professional Studies. These credits include a number of specialized education courses, as well as a full semester of student teaching.

Additional requirements

- Overall GPA of 2.75 and a major GPA of 2.75 are both needed in order to be cleared for student teaching
- A grade of 'C' or better is needed in all coursework.

Thinking of teaching at the elementary or middle level?

Please contact the College of Education and Professional Studies for degree options.



CAREERS IN MATHEMATICS

Whether you decide to pursue graduate school or immediately enter the field, Mathematics opens a world of possibilities.

Here are just a few you might not have thought of:

- Actuary
- Data Scientist
- Econometrician
- Financial and Investment Analyst
- Operations Research
- Psychometrician
- Quantitative Analyst
- Research Scientist
- Risk Manager
- Software Engineer (when combined with Computer Science)
- Statistician

Explore more possibilities at: [MAA.ORG/CAREERS](https://www.maa.org/careers)



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