

Mathematics



Are you looking for the degree that will give you highly marketable skills that are sought after by graduate schools and businesses? A degree that is an excellent foundation and a requirement for all areas of science and engineering? A degree in mathematics may be right for you! Problems from the ordinary to the sophisticated and technical can be solved with mathematics. Mathematics is the language that expresses scientific and quantitative relationships and, at the same time, is a discipline with a structure and beauty of its own.

Majors

- **Math** - Liberal Arts
- **Math** - Teaching (Grades 6-12)
- **Math** - Liberal Arts: Applied/Statistics

Comprehensive majors (no minor required)

- **Math** - Actuarial Science
- **Math** - Teaching (Grades 6-12)
- **Math** - Liberal Arts: Research

Minors

- **Math** - Actuarial Science
- **Math** - Liberal Arts
- **Math** - Teaching (Grades 6-12)
- **Math** - Teaching, Middle

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Childhood/Early Adolescence

Where you'll find our grads

- Biostatistician, Mayo Clinic, Rochester, MN
- Professor of Mathematics, Texas AM University, College Station, TX

Prepared for Success

The UW-Eau Claire department of Mathematics has a nationally recognized Actuarial program directed by Fellows in the Society of Actuaries. Our liberal arts students are well-

prepared for business or advanced studies and our teaching majors are aggressively recruited and employed by schools across the nation.

The liberal arts and teaching majors provide strong backgrounds for graduate study and opportunities to pursue interests in special areas. The mathematics liberal arts major, with its four emphases, can lead to a variety of careers in business, industry and other areas.

Typical positions held by mathematics graduates include work in research and development, data science, management, operations research, quality improvement, and teaching mathematics at a secondary school, technical school, college or university. Other graduates continue their education through graduate studies in mathematics, statistics, data science, theoretical mathematics, or mathematics education.

Why UW-Eau Claire

Research Opportunities

Each year scores of mathematics majors conduct collaborative research with department faculty in a wide variety of topics in both pure and applied mathematics and statistics: analysis of music, statistical analysis of geysers, mathematical biology (fluid dynamics of blood flow, modeling fish populations), optimization (emergency transportation models), mathematical physics (deformation algebras, symmetry in quantum mechanics mechanics, black holes), ethno-mathematics (Mayan number systems) and statistical genetics, as well as research in mathematics education.

The Power of **AND**

University of Wisconsin
Eau Claire

Mathematics (continued)

UW-Eau Claire mathematics majors have made dozens of presentations at regional, national and international professional conferences, and several students have won awards for their presentations. In the past five years, UW-Eau Claire mathematics majors have co-authored 18 research articles in peer-reviewed professional journals.

Innovative Facilities

Mathematics students have access to technically-equipped classrooms, comfortable collaborative student seminar rooms and computer laboratories. Students can utilize an extensive set of library resources as well as specialized software tools such as Maple, Python, Matlab, Mathematica and R.

Special Admission Guidelines

Have you already studied college-level calculus or statistics, either in high school or through another university? You may receive college credit for your hard work under one of the following procedures:

- Send your Advanced Placement Exam scores, test papers and reports (administered by the Educational Testing Service) to the academic testing office.
- College level mathematics credits taken at an accredited university or through a university/high school cooperative program are recognized by UW-Eau Claire.
- Send your International Baccalaureate scores and transcripts to the academic testing office.