MATHEMATICS

Hibbard Humanities Hall 508
715-836-3301
Department Website (https://www.uwec.edu/academics/college-arts-sciences/departments-programs/mathematics/)

Mathematics has formed an important part of our intellectual heritage for centuries. In addition to having its own aesthetic value, it pervades a growing number of human endeavors. Mathematics is applied in fields as diverse as business, engineering, the physical and life sciences, the social sciences, computer science, and the fine arts. Society therefore expects of its members ever increasing mathematical knowledge and skill.

The mathematics curriculum is designed to address these needs. It provides a core of fundamental mathematics as well as a variety of electives for individuals with specific interests. Students may select programs to prepare for careers in applied mathematics, science, actuarial science, research, mathematics education, or for graduate study. Regardless of emphasis, the programs prepare students for their immediate career objectives and provide a background that will enable them to thrive in light of changing career needs and goals.

Information for All Students

1. All entering first-year and transfer students must take the mathematics placement test.
2. A student may not register for credit in a course which is a prerequisite for any other course in which the student has credit.
3. It is strongly recommended that a grade of C or above be achieved in any mathematics course that is to be used as a prerequisite to another course.

Department Honors in Mathematics

The Honors Program in mathematics is intended for mathematics majors—including actuarial science, mathematics education, and liberal arts majors—who have demonstrated excellence in their coursework, and who want to experience the mathematical community outside the classroom. The high impact practices required for department honors in mathematics align with such experiences.

- **Eligibility:** Mathematics majors who have a resident and total GPA of 3.50 or higher, and have completed at least 12 hours of mathematics courses with a GPA of 3.50 or higher.
- **Application:** An application (which is available on the department website) must be submitted to the department chair, sponsored by a mathematics faculty member who can attest that you have completed two activities from the list below. The department recommends submitting the application during the junior year.
- **Requirements:** Graduate with a 3.50 GPA or higher in the major, and submit evidence to the department chair that two of the following have been satisfactorily completed:

1. A faculty/student collaborative mathematics research project
2. Score of 176 or above on the ETS Mathematics Content Knowledge assessment (Praxis II)
3. An off-campus mathematics presentation at a conference
4. Participation in a state, regional or national competition in Actuarial Science
5. Passing grade on two professional exams given by the Society of Actuaries or Casualty Actuarial Society
6. A mathematics related internship
7. Acceptance of a mathematics publication in a peer-reviewed journal.

Faculty

Abra Brisbin, Chair

Chris Ahrendt
silviana amethyst
Mohammad Aziz
Allison Beemer
Rob Berg
Christopher Davis
Herschel Day
Colleen Duffy
Katie Elliott
Marc Goulet
Jennifer Harrison
Ryan Harrison
Christopher Hlas
Marie-Claire Koissi-Kouassi
Jessica Kraker
Chloe Lewis
aBa Mbirika
Carolyn Otto
Kristopher Presler
Katrina Rothrock
Sam Scholze
Feroz Siddique
Alexander Smith
Wufeng Tian
Melissa Troudt
Vicki Whitledge

Majors

- Comprehensive Major: Actuarial Science, Liberal Arts - B.A./B.S. (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/actuarial-science-comprehensive-major-ba-bs/)
- Major: Mathematics, Liberal Arts Emphasis - B.A./B.S. (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-major-liberal-arts-ba-bs/)
- Comprehensive Major: Mathematics, Research Emphasis, Liberal Arts - B.A./B.S. (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-comprehensive-major-research-ba-bs/)
- Major: Mathematics, Statistics and Applied Mathematics Emphasis, Liberal Arts - B.A./B.S. (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-major-statistics-applied-mathematics-ba-bs/)
- Major: Mathematics Teaching - B.S. (College of Education and Human Sciences Secondary Education Program) (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-major-t-bs/)
- Comprehensive Major: Mathematics Teaching - B.S. (College of Education and Human Sciences Secondary Education Program) (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-comprehensive-major-t-bs/)

Minors

- Minor: Mathematical Problem Solving, Liberal Arts (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematical-problem-solving-minor/)
- Minor: Mathematics, Liberal Arts (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-minor/)

- Minor: Mathematics, Actuarial Science (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-actuarial-science-minor/)
- Minor: Mathematics, Teaching (http://catalog.uwec.edu/undergraduate/arts-sciences/mathematics/mathematics-minor-t/)