About the major:
The Department of Mathematics offers three majors: a Teaching major which leads to certification in Early Adolescence through Adolescence (grades 6-12), a Comprehensive Actuarial Science major which prepares a student for actuarial careers, and a Liberal Arts major. The Liberal Arts major has three emphases: Liberal Arts, Applied and Statistical. The Liberal Arts major allow students to prepare for a variety of careers in government, business, industry, research or graduate school.

The courses in the program are sequential. The major starts with the calculus sequence -- Math 114, 215 and 216.

Majors:
- Mathematics – Liberal Arts emphasis
- Mathematics-Applied emphasis
- Mathematics-Statistics emphasis
- Comprehensive Actuarial Science
- Mathematics- Teaching

Minors:
- Mathematics-Liberal Arts
- Mathematics- Teaching
- Mathematics-Elementary Education
- Mathematics-Actuarial Science

Required GE or University courses:
Liberal Arts Math majors choose a Bachelor of Arts (foreign language required) or a Bachelor of Science degree within the College of Arts and Science. The General Education requirements differ depending on the degree, so the student should consult the Catalog.

Students in the Comprehensive Actuarial Science Major should consider taking Econ 103 and Econ 104 in their first year.

Math majors and minors automatically fulfill Category IB.

Teaching majors have more specific G.E. requirements, including:
- GE IA: CJ 201, 202 or 205
- GE IB: Fulfilled with math course
- GE II: A Biology course and a physical science course are required.
- GE III: Pols 110 (American National Politics); PsyC 261
- GE IV: Must include one course from Fine Arts (GE IVA) and one literature (GE IVD)
- GE V: ES 385

Essential Courses:
The following is a list of courses students should take during their first year to graduate in four years:
Math 114 and Math 215.

Students generally take one math course per semester during their freshman year and fill the remainder of the schedule with General Education courses.

Information for exploring students:
Students interested in Math should take the Math course into which they were placed during the first semester and continue on through Math 114.
Admission to the teacher education program:
Math Teaching majors must be admitted into the College of Education and Human Sciences. See the Early Adolescence to Adolescence First Year Advising sheet or the University Catalog for requirements. To be eligible for the pre-program, in which a student should be enrolled their sophomore year, (ES 212, Initial Teaching Experience in Elementary, Middle, and High School Settings), students are required to pass a standardized test—the Praxis Core—preferably in their first year of study. The Praxis Core may be waived if a student has a composite ACT score of 23 with a minimum score of 20 on the English, math, and reading subject tests from a single ACT taken within the past 5 years. If a student does not meet all of these ACT criteria, they must take the entire Praxis Core. Students must also have completed the university writing requirement, have at least a 2.75 resident and total GPA and have earned 14 credits by the time they register for the courses.

Helpful Tips:
- Students who take AP calculus and are given credit for Math 114 can start with Math 215. It should be noted that students who have been given credit for Math 114 via AP calculus but do not feel ready for Math 215 may still take Math 114. In that case, their AP credit would not apply.
- Students must take the course indicated by their Math Placement Test. A solid foundation in algebra and trigonometry is required for success in Math 114.

Contact information:
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Hibbard Humanities Hall 509
(715) 836-3301

For instructions to declare this major:
www.uwec.edu/Registrar/student/chgofmajor/index.htm

UW-Eau Claire respects individual differences.
This guide complements rather than substitutes for individual advising.

An example of a 4year plan in history can be found at: www.uwec.edu/AcadAff/degreeplans/math.htm