

Mathematical Sciences

Minor

Interested in a MathSci Minor?

Mathematics or Actuarial Science

Contact the Department of Mathematical Sciences:
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Why a MathSci Minor?

Students of the sciences, engineering, computer science, economics, and business often complete a significant number of mathematical sciences credits. These students are encouraged to take a mathematics major or minor, which adds an official recognition of important analytical skills valued by employers and graduate schools.

What is Mathematics?

Mathematics is the international language of science and technology. Much of the subject matter in engineering and the natural sciences, as well as some social sciences such as economics, is presented in mathematical terms.

Mathematical and statistical techniques are vital in fields that usually are not considered mathematical, such as biology, psychology, and political science. Some students are attracted to mathematics for its own sake, for the beauty, discipline, logic, and problem-solving challenges. Other students pursue mathematics in order to achieve deeper understanding in their own areas of study.

What is Actuarial Science?

Actuarial Science applies mathematical and statistical models to problems originating in insurance, risk management, finance, and economics. The Actuarial Science Minor provides essential coursework for these fields.

For All L&S Minors

For all minors in the College of Letters and Science, students must complete at least 9 upper-division (numbered 300 and above) credits for the minor in residence at UWM. The College requires that students attain at least a 2.0 GPA on all credits in the minor attempted at UWM. In addition, students must attain a 2.0 GPA on all minor credits attempted, including any transfer work.

Mathematics Minor

Students minoring in mathematics must complete 18 credits in mathematical sciences (Math, MthStat, ActSci) courses numbered 200 and above, of which 9 credits must be upper-division (numbered 300 and above) courses taken in residence at UWM. The minor in mathematics is not available to students pursuing the Actuarial Science major or the Applied Math and Computer Science degree. Students who wish to complete both a minor in mathematics and Actuarial Science must complete at least an additional 6 credits of upper division courses in Math/Mthstat/ActSci courses not required by the Actuarial Science minor.

Actuarial Science Minor

Admission to this minor requires a minimum GPA of 2.500 in Math 231, 232, and 233 (or equivalent course sequence). Students who have completed these courses with the required GPA may complete a formal declaration of minor (online). These three courses do not count in the minor GPA. The following courses are required: Math 234, ActSci 290, & 391, MthStat 361 & 362, and Bus Adm 450 with a grade of B- or better in Bus Adm 450.

How to declare minor?

Declare a minor online at:

<https://uwm.edu/math/undergraduate/minors/>

Students interested in minoring in Mathematics or Actuarial Science should discuss plans with one of the Mathematical Sciences Department's undergraduate advisors during their walk-in hours, or by appointment. Stop by the main office on the 4th floor of the EMS building for more information, or see our webpage at uwm.edu/math

