At UW-River Falls, our mathematics instruction is dedicated to nurturing and developing students’ creative mathematical talents as problem-solvers. The River Falls mathematics faculty has diverse backgrounds and research interests, including combinatorics, differential equations, number theory, functional analysis, mathematics education, numerical analysis, probability, and statistics.

Students who major in mathematics at UW-River Falls follow many satisfying careers. The UW-River Falls mathematics minor is an excellent choice for students majoring in sciences, social sciences, business and education.

The benefit of studying mathematics is the variety of career paths it provides. Popular career choices in Mathematics include teaching, actuarial science, computer science, operations research, biomathematics, cryptography, and finance. The Mathematics Department offers two options for mathematics majors, the liberal arts option and the education option. The Mathematics Department is arranged so that many faculty have study spaces directly outside their offices providing an environment of easy accessibility to professors.

**Research**

The Mathematics Department at UW-River Falls provides an exceptional range of opportunities for students to work closely with professors on research and advanced mathematical study.

- Field trips to mathematics conferences are scheduled several times each year. Students can attend to exchange research results with students and professors from other universities through discussion and formal presentations.
- Senior seminar projects provide students with valuable experiences in problem solving, research, writing reports, and making presentations.
- Advanced statistical study helps prepare students for work in actuarial science and related fields.
- Independent study can be arranged with professors to explore mathematical topics beyond those in the standard curriculum.

**Math Center**

The department supports a Math Study Room where students work and informally interact with one another, and a Math Help Center which is staffed with upper level students who can provide help and insights to students studying mathematics in their first two years.


These challenging, exciting, and rewarding times for mathematics graduates means that jobs are available in a wide variety of industries and government agencies. Companies’ involving computers, insurance, aerospace, control systems and distribution networks hire mathematicians yearly. The careers that math majors typically follow are high quality. National and international demands for workers with better mathematics preparation are resulting in increased mathematics requirements for students and improved mathematics programs.

Students at UW-River Falls participate in local and national mathematical organizations.
- MAA: Mathematical Association of America - An organization which provides information on mathematical science careers, inexpensive access to undergraduate mathematics journals, and social interaction with other mathematics students.
- NCTM: National Council of Teachers of Mathematics - River Falls Student Memberships offer opportunities to attend conferences in mathematics teaching and inexpensive professional journals.

Students at UW-River Falls gain mathematical experience through international competitions.
- Teams of students compete in the COMAP sponsored Mathematical Modeling Contest, using mathematics to solve real-world problems.
- Students solve challenging mathematics problems in the Putnam Examination.

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**Mathematics Department**

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