Learn to collect, analyze and interpret data.
Statistics helps us understand and describe phenomena in our world from population health to weather forecasting to business profits. Using data, statisticians can draw reliable conclusions and help guide important decisions. Statistics can be studied by itself or in conjunction with other fields such as the biological and life sciences, physical sciences, engineering and social sciences.

The UW-La Crosse Department of Mathematics & Statistics serves a diverse group of students. The department nurtures all liberal arts students, giving students a solid foundation from which to study both the natural and social sciences and providing the tools needed in professional programs. The program is also dedicated to cultivating mathematics and statistics majors.

What is statistics?
Statistics is the science of collecting, analyzing and making inferences from data. There is no area that does not require some form of mathematical or statistical thought. It is an integral part of the liberal arts education and is the foundation for many areas of study.

Careers in statistics
Students who graduate with degrees in mathematics or statistics pursue a wide variety of careers. Many statistics and applied math majors go on to jobs in industry as analysts, statisticians, and actuaries while others go on to professional programs such as law, medicine and health professions, or business.

Positions
- Mathematics or statistics professor
- Software engineer
- Manager of manufacturing process engineering
- Actuary
- Plant Manager
- Statistician
- Loan Officer
- Mathematics teacher
- Marketing specialist
- Software developer
- Programmer
- Data analyst
- Supplier quality/component engineer

Further education
- Mathematics
- Applied mathematics
- Statistics
- Engineering
- Computer science
What distinguishes UWL's Statistics program?

- **Small class sizes**
  Class sizes are small; calculus classes are typically 25 to 30 students and upper level classes are typically 10 to 20 students.

- **Faculty are excellent teacher-scholars**
  Faculty in the department are involved in research in areas of algebra, analysis, topology and geometry, statistics, applied mathematics, numerical analysis, education, and combinatorics and graph theory. This research is widely published in prestigious research journals and many faculty have received numerous grants.

- **Mathematics and Statistics Club**
  A student run Mathematics and Statistics Club meets at various times during each semester. Activities include: talks by students and invited speakers, picnics, travel to conferences and friendly sporting contests with other clubs or faculty.

- **Research opportunities**
  Many students participate in undergraduate research projects that result in publications and presentations at national conferences. The department has several research fellowships that provide funding for research.

- **Modeling contests**
  Students can participate in local, regional and international mathematics or statistics modeling contests.

- **Connect to study and socialize**
  The Mathematics and Statistics Resource Room is located within the department. This room is a place for math majors to study and socialize. There are also computers available for use.

- **Tutoring opportunities**
  Math majors can work from 5-15 hours a week as a tutor in the Murphy Learning Center or as a peer teaching assistant.

- **Internship and part-time job opportunities**
  Students can obtain internships and part-time jobs with local business and engineering firms, public utilities, and medical and governmental research institutions.

- **Strong complement to elementary education**
  The department also has an adviser who works closely with elementary education students who wish to minor in mathematics; a mathematics minor is a strong complement to an elementary education major.

- **Strong complement to STEM and Social Science fields**
  A major or minor in Mathematics or Statistics works well in conjunction with almost any program at UWL, especially those in STEM (Biology, Chemistry, Physics and Computer Science) and the Social Sciences (Psychology, Sociology, Political Science, and Economics).