

working on a problem provided by a sponsoring business or industry. All students will help preparing a written report and giving an oral presentation of their research at the conclusion of each CAMCOS project. Students are also required to write and give an oral defense of a thesis (or writing project) related to statistics. Both of these activities should help students develop their oral and written communication skills.

CAMCOS (or an approved internship)	3 units
Math 203 Applied Math, Computation, and Statistics Projects	3 units
Thesis or Writing Project (in an area related to statistics)	3 units
Math 298 or Math 299	3 units

Electives 12 units

Any 100- or 200- level math classes except Math 101, Math 105, Math 106, Math 107A, Math 107B, Math 201A, or Math 201B can be used as electives. With prior approval up to 6 units of upper division or graduate courses in computer science, science, engineering, economics, business or other areas related to statistics can be used as electives. In addition to the 6 required units of Math 203, 298, and 299 at most 3 additional units of Math 203 and 3 additional units of Math 298, 299 can be counted as electives.

In choosing elective courses students should keep in mind the importance of developing 1) a good background in mathematics, 2) a specific field of interest where statistics can be applied, the ability to use computers in analyzing statistical problems, and 3) the ability to communicate effectively. You will need mathematics to understand the language and theory of statistics, which is especially important when you are pursuing an advanced degree. Knowledge of a specific field where statistics can be applied will help you understand the subject matter and technical background of the problems you work on. Students in this program are encouraged to take 6 units of upper division or graduate electives in an area outside of mathematics, where statistics can be applied. Because of the widespread use of computers in statistics and the growing number of widely used software packages, statisticians in all industries will find it useful to have good computer programming skills and the ability to use statistical software. You will use the computer not only for calculations, but also to create visual displays of data. Good verbal and written communication skills will help you communicate the results of your statistical analyses effectively, such as those used in creating written and oral reports for a CAMCOS project (Math 203) and writing and defending your Master's Thesis.

A total of 12 units of 200-level courses are required for this degree (excluding Math 201A, Math 201B, Math 203, Math 298, and Math 299).

Statistics Faculty/Advisors in the Math Department

- Bremer, Martina (Ph.D., Purdue University, 2006) Statistics, Biostatistics
- Crunk, Steven (Ph.D., University of Pennsylvania, 1999) Statistics, Time Series, Business, Economic and Legal Statistics
- Kubelka, Richard (Ph.D., Stanford University, 1980) Algebraic Topology, Number Theory, Statistics
- Lee, Bee Leng (Ph.D., University of Wisconsin-Madison, 2000) Statistics, Semiparametric Inference, Survival Analysis
- Ng, Ho-Kuen (Ph.D., University of California, Berkeley, 1982) Algebra, Operations Research, Actuarial Science