The M.S. degree program in statistics trains the candidate to become a practicing statistician. The M.S. degree in statistics with a named option in biostatistics trains the candidate to contribute substantially to the statistical analysis of biomedical problems.

An M.S. in statistics with a named option in data science (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-data-science-ms/) is also available to students meeting the criteria (see the data science (http://www.stat.wisc.edu/ms-degree-data-science-option-ms/) page for more details). In addition, the department is closely involved with the Biometry M.S. (http://guide.wisc.edu/graduate/agricultural-life-sciences-college-wide/biometry-ms/), and with the School of Medicine and Public Health Department of Biostatistics and Medical Informatics (http://guide.wisc.edu/graduate/biostatistics-medical-informatics/), both listed separately in the Guide.

The Statistics Department provides extensive computing facilities, both hardware and software, to support instruction and research. Several computers and advanced graphic workstations are available for use in advanced courses enabling students to pursue the latest research directions in statistical computing and graphics. Common statistical packages and libraries are available on a variety of machines.

The department may be consulted for specific career information. See the department website (http://www.stat.wisc.edu/) for application materials and deadlines.

Students apply to the Master of Science in Statistics through one of the named options:

- Biostatistics (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-biostatistics-ms/)
- Data Science (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-data-science-ms/)
- Statistics (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-statistics-ms/)

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding/) is available from the Graduate School. Be sure to check with your program for individual policies and restrictions related to funding.

Prospective students should see the program website (https://stat.wisc.edu/graduate-studies/phd-program/) for funding information.
• STATISTICS: BIOSTATISTICS, M.S. (HTTP://GUIDE.WISC.EDU/GRADUATE/STATISTICS/STATISTICS-MS/STATISTICS-BIOSTATISTICS-MS/)
• STATISTICS: DATA SCIENCE, M.S. (HTTP://GUIDE.WISC.EDU/GRADUATE/STATISTICS/STATISTICS-MS/STATISTICS-DATA-SCIENCE-MS/)
• STATISTICS: STATISTICS, M.S. (HTTP://GUIDE.WISC.EDU/GRADUATE/STATISTICS/STATISTICS-MS/STATISTICS-STATISTICS-MS/)

POLICIES

Students should refer to one of the named options for policy information:

- Biostatistics (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-biostatistics-ms/)
- Data Science (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-data-science-ms/)
- Statistics (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-statistics-ms/)

PROFESSIONAL DEVELOPMENT

GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School’s professional development resources (https://grad.wisc.edu/pd/) to build skills, thrive academically, and launch your career.

LEARNING OUTCOMES

1. Demonstrates understanding of statistical theories, methodologies, and applications as tools in scientific inquiries.
2. Selects and utilizes the most appropriate statistical methodologies and practices.
3. Synthesizes information pertaining to questions in empirical studies.
4. Communicates data concepts and analysis results clearly.
5. Recognizes and applies principles of ethical and professional conduct.

PEOPLE

Faculty:

Cecile Ane (https://stat.wisc.edu/staff/ane-cecile/), Professor
Richard Chappell (https://stat.wisc.edu/staff/chappell-rick/), Professor
Peter Chien (https://stat.wisc.edu/staff/chien-peter/), Professor
Jessi Cisewski-Kehe (https://stat.wisc.edu/staff/cisewski-kehe-jessi/), Assistant Professor
Deshpande, Sameer (https://skdeshpande91.github.io/), Assistant Professor
Nicolas Garcia Trillos (https://stat.wisc.edu/staff/trillos-nicolas-garcia/), Assistant Professor
Hyunseung Kang (https://stat.wisc.edu/staff/kang-hyunseung/), Assistant Professor
Sunduz Keles (https://stat.wisc.edu/staff/keles-sunduz/), Professor
Bret Larget (https://stat.wisc.edu/staff/larget-bret/), Professor
Keith Levin (https://stat.wisc.edu/staff/levin-keith/), Assistant Professor
Wei-Yin Loh (https://stat.wisc.edu/staff/loh-wei-yin/), Professor
Michael Newton (https://stat.wisc.edu/staff/newton-michael/), Professor
Vivak Patel (https://stat.wisc.edu/staff/patel-vivak/), Assistant Professor
Sebastian Raschka (https://stat.wisc.edu/staff/raschka-sebastian/), Assistant Professor
Garvesh Raskutti (https://stat.wisc.edu/staff/raskutti-garvesh/), Associate Professor
Karl Rohe (https://stat.wisc.edu/staff/rohe-karl/), Associate Professor
Kris Sankaran (https://stat.wisc.edu/staff/sankaran-kris/), Assistant Professor
Jun Shao (https://stat.wisc.edu/staff/shao-jun/), Professor
Miaoyan Wang (https://stat.wisc.edu/staff/wang-miaoyan/), Assistant Professor
Yahzen Wang (https://stat.wisc.edu/staff/wang-yazhen/) (chair), Professor
Brian Yandell (https://stat.wisc.edu/staff/yandell-brian/), Professor
Chunming Zhang (https://stat.wisc.edu/staff/zhang-chunming/), Professor
Zhengjun Zhang (https://stat.wisc.edu/staff/zhang-zhengjun/), Professor
Jun Zhu (https://stat.wisc.edu/staff/zhu-jun/), Professor