The M.S. degree program in statistics trains the candidate to become a practicing statistician with a number of options including:


In addition, the department is closely involved with the School of Medicine and Public Health Department of Biostatistics and Medical Informatics (https://guide.wisc.edu/archive/2023-2024/graduate/biostatistics-medical-informatics/) and a joint MS Data Science (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-data-science-ms/) offered by both the Department of Statistics and Department of Computer Sciences.

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. Please see each program option for specific information regarding application materials, deadlines, and program requirements.

**ADMISSIONS**

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

- Biostatistics (http://guide.wisc.edu/archive/2023-2024/graduate/statistics/statistics-ms/statistics-biostatistics-ms/)
- Statistics and Data Science

**FUNDING**

**GRADUATE SCHOOL RESOURCES**

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.

**PROGRAM RESOURCES**

Each option within Statistics has different funding policies and opportunities for students. Please see each option for details.


**REQUIREMENTS**

**MINIMUM GRADUATE SCHOOL REQUIREMENTS**

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/policiesandrequirementstext), in addition to the program requirements listed below.

**MAJOR REQUIREMENTS**

**CURRICULAR REQUIREMENTS**

<table>
<thead>
<tr>
<th>Requirement Detail</th>
<th>Minimum</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate Coursework Requirement</td>
<td>15 credits (50% of 30 credits) must be graduate-level coursework. Details can be found in the Graduate School's policy: <a href="https://policy.wisc.edu/library/UW-1244">https://policy.wisc.edu/library/UW-1244</a> (<a href="https://policy.wisc.edu/library/UW-1244/">https://policy.wisc.edu/library/UW-1244/</a>)</td>
<td></td>
</tr>
<tr>
<td>Overall GPA</td>
<td>3.00 GPA required.</td>
<td></td>
</tr>
<tr>
<td>Graduate GPA</td>
<td>This program follows the Graduate School's policy: <a href="https://policy.wisc.edu/library/UW-1203">https://policy.wisc.edu/library/UW-1203</a> (<a href="https://policy.wisc.edu/library/UW-1203/">https://policy.wisc.edu/library/UW-1203/</a>).</td>
<td></td>
</tr>
<tr>
<td>Other Grade Requirements</td>
<td>See Named Options for grade requirements.</td>
<td></td>
</tr>
</tbody>
</table>

**ASSESSMENTS AND EXAMINATIONS**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language</td>
<td>No language requirements.</td>
</tr>
</tbody>
</table>

**REQUIRED COURSES**

Select a Named Option (https://guide.wisc.edu/graduate/statistics/statistics-ms/#NamedOptions) for courses required.

**NAMED OPTIONS**

A named option is a formally documented sub-major within an academic major program. Named options appear on the transcript with degree
Statistics, M.S.

conferral. Students pursuing the Master of Science in Statistics must select one of the following named options:

- STATISTICS: APPLIED STATISTICS, M.S. (HTTP://GUIDE.WISC.EDU/ARCHIVE/2023-2024/GRADUATE/STATISTICS/STATISTICS-MS/STATISTICS-APPLIED-STATISTICS-MS/)
- STATISTICS: BIOSTATISTICS, M.S. (HTTP://GUIDE.WISC.EDU/ARCHIVE/2023-2024/GRADUATE/STATISTICS/STATISTICS-MS/STATISTICS-BIOSTATISTICS-MS/)
- STATISTICS: STATISTICS AND DATA SCIENCE, M.S. (HTTP://GUIDE.WISC.EDU/ARCHIVE/2023-2024/GRADUATE/STATISTICS/STATISTICS-MS/STATISTICS-DATA-SCIENCE-MS/)
- STATISTICS: STATISTICS, M.S. (HTTP://GUIDE.WISC.EDU/ARCHIVE/2023-2024/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/archive/2023-2024/graduate/statistics/statistics-ms/statistics-biostatistics-ms/)
- Statistics and Data Science

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
Joshua Cape (https://stat.wisc.edu/staff/cape-joshua/), Assistant 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
Yinqiu He (https://stat.wisc.edu/staff/he-yinqiu/), Assistant Professor
Hyunseung Kang (https://stat.wisc.edu/staff/kang-hyunseung/), Associate 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
Alejandra Quintos (https://stat.wisc.edu/staff/quintos-alejandra/), Assistant Professor
Garvesh Raskutti (https://stat.wisc.edu/staff/raskutti-garvesh/), Associate Professor
Karl Rohe (https://stat.wisc.edu/staff/rohe-karl/), 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
Yiqiao Zhong (https://stat.wisc.edu/staff/zhong-yiqiao/), Assistant Professor
Jun Zhu (https://stat.wisc.edu/staff/zhu-jun/), Professor