STATISTICS, M.S.

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/graduate/biostatistics-medical-informatics/) and a joint MS Data Science (http://guide.wisc.edu/graduate/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/graduate/statistics/statistics-ms/statistics-biostatistics-ms/)
- Statistics and Data Science
- Statistics (http://guide.wisc.edu/graduate/statistics/statistics-ms/statistics-statistics-ms/)

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 Credit</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residence Requirement</td>
<td>16 credits</td>
<td></td>
</tr>
<tr>
<td>Coursework Requirement</td>
<td>30 credits</td>
<td></td>
</tr>
<tr>
<td>Graduate Credit 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>GPA Requirement</td>
<td>3.00 GPA required.</td>
<td></td>
</tr>
<tr>
<td>Overall Requirement</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

Language Requirements

No language requirements.

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:


**POLICIES**

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

- Statistics and Data Science

**PROFESSIONAL DEVELOPMENT**

**GRADUATE SCHOOL RESOURCES**

Take advantage of the Graduate School’s professional development resources ([https://grad.wisc.edu/pd/](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/](https://stat.wisc.edu/staff/ane-cecile/)), Professor
- Joshua Cape ([https://stat.wisc.edu/staff/cape-joshua/](https://stat.wisc.edu/staff/cape-joshua/)), Assistant Professor
- Richard Chappell ([https://stat.wisc.edu/staff/chappell-rick/](https://stat.wisc.edu/staff/chappell-rick/)), Professor
- Peter Chien ([https://stat.wisc.edu/staff/chien-peter/](https://stat.wisc.edu/staff/chien-peter/)), Professor
- Jessi Cisewski-Kehe ([https://stat.wisc.edu/staff/cisewski-kehe-jessi/](https://stat.wisc.edu/staff/cisewski-kehe-jessi/)), Assistant Professor
- Deshpande, Sameer ([https://skdeshpande91.github.io/](https://skdeshpande91.github.io/)), Assistant Professor
- Nicolas Garcia Trillos ([https://stat.wisc.edu/staff/trillos-nicolas-garcia/](https://stat.wisc.edu/staff/trillos-nicolas-garcia/)), Assistant Professor
- Yinqiu He ([https://stat.wisc.edu/staff/he-yinqiu/](https://stat.wisc.edu/staff/he-yinqiu/)), Assistant Professor
- Hyunseung Kang ([https://stat.wisc.edu/staff/kang-hyunseung/](https://stat.wisc.edu/staff/kang-hyunseung/)), Associate Professor
- Sunduz Keles ([https://stat.wisc.edu/staff/keles-sunduz/](https://stat.wisc.edu/staff/keles-sunduz/)), Professor
- Bret Larget ([https://stat.wisc.edu/staff/larget-bret/](https://stat.wisc.edu/staff/larget-bret/)), Professor
- Keith Levin ([https://stat.wisc.edu/staff/levin-keith/](https://stat.wisc.edu/staff/levin-keith/)), Assistant Professor
- Wei-Yin Loh ([https://stat.wisc.edu/staff/loh-wei-yin/](https://stat.wisc.edu/staff/loh-wei-yin/)), Professor
- Michael Newton ([https://stat.wisc.edu/staff/newton-michael/](https://stat.wisc.edu/staff/newton-michael/)), Professor
- Vivak Patel ([https://stat.wisc.edu/staff/patel-vivak/](https://stat.wisc.edu/staff/patel-vivak/)), Assistant Professor
- Alejandra Quintos ([https://stat.wisc.edu/staff/quintos-alejandra/](https://stat.wisc.edu/staff/quintos-alejandra/)), Assistant Professor
- Garvesh Raskutti ([https://stat.wisc.edu/staff/raskutti-garvesh/](https://stat.wisc.edu/staff/raskutti-garvesh/)), Associate Professor
- Karl Rohe ([https://stat.wisc.edu/staff/rohe-karl/](https://stat.wisc.edu/staff/rohe-karl/)), Professor
- Kris Sankaran ([https://stat.wisc.edu/staff/sankaran-kris/](https://stat.wisc.edu/staff/sankaran-kris/)), Assistant Professor
- Jun Shao ([https://stat.wisc.edu/staff/shao-jun/](https://stat.wisc.edu/staff/shao-jun/)), Professor
- Miaoyan Wang ([https://stat.wisc.edu/staff/wang-miaoyan/](https://stat.wisc.edu/staff/wang-miaoyan/)), Assistant Professor
- Yahzen Wang ([https://stat.wisc.edu/staff/wang-yazhen/](https://stat.wisc.edu/staff/wang-yazhen/)) (chair), Professor
- Brian Yandell ([https://stat.wisc.edu/staff/yandell-brian/](https://stat.wisc.edu/staff/yandell-brian/)), Professor
- Chunming Zhang ([https://stat.wisc.edu/staff/zhang-chunming/](https://stat.wisc.edu/staff/zhang-chunming/)), Professor
- Yiqiao Zhong ([https://stat.wisc.edu/staff/zhong-yiqiao/](https://stat.wisc.edu/staff/zhong-yiqiao/)), Assistant Professor
- Jun Zhu ([https://stat.wisc.edu/staff/zhu-jun/](https://stat.wisc.edu/staff/zhu-jun/)), Professor