This is a named option within the Statistics M.S. (http://guide.wisc.edu/graduate/statistics/statistics-ms/) Find information about the traditional Statistics M.S. program requirements and policies here.

Please consult the table below for key information about this degree program’s admissions requirements. The program may have more detailed admissions requirements, which can be found below the table or on the program’s website.

Admissions

Graduate admissions is a two-step process between academic programs and the Graduate School. Applicants must meet the minimum requirements (https://grad.wisc.edu/apply/requirements/) of the Graduate School as well as the program(s). Once you have researched the graduate program(s) you are interested in, apply online (https://grad.wisc.edu/apply/).

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Deadline</td>
<td>January 2</td>
</tr>
<tr>
<td>Spring Deadline</td>
<td>The program does not admit in the spring.</td>
</tr>
<tr>
<td>Summer Deadline</td>
<td>The program does not admit in the summer.</td>
</tr>
<tr>
<td>GRE (Graduate Record Examinations)</td>
<td>Required.*</td>
</tr>
<tr>
<td>English Proficiency Test</td>
<td>Every applicant whose native language is not English or whose undergraduate instruction was not in English must provide an English proficiency test score and meet the Graduate School minimum requirements (<a href="https://grad.wisc.edu/apply/requirements/#english-proficiency">https://grad.wisc.edu/apply/requirements/#english-proficiency</a>).</td>
</tr>
<tr>
<td>Other Test(s) (e.g., GMAT, MCAT)</td>
<td>n/a</td>
</tr>
<tr>
<td>Letters of Recommendation Required</td>
<td>3</td>
</tr>
</tbody>
</table>

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW-Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

Curricular Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Credit Requirement</td>
<td>30 credits</td>
</tr>
<tr>
<td>Minimum Residence Credit Requirement</td>
<td>16 credits</td>
</tr>
</tbody>
</table>
The following will also be allowed to count toward the 30-credit minimum for the master’s degree (with permission of the Director of Graduate Studies):

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 303</td>
<td>R for Statistics I</td>
<td>0-6</td>
</tr>
<tr>
<td>STAT 304</td>
<td>R for Statistics II</td>
<td></td>
</tr>
<tr>
<td>STAT 305</td>
<td>R for Statistics III</td>
<td></td>
</tr>
<tr>
<td>STAT 349</td>
<td>Introduction to Time Series</td>
<td></td>
</tr>
<tr>
<td>STAT 351</td>
<td>Introductory Nonparametric Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT 411</td>
<td>An Introduction to Sample Survey Theory and Methods</td>
<td></td>
</tr>
<tr>
<td>STAT 421</td>
<td>Applied Categorical Data Analysis</td>
<td></td>
</tr>
<tr>
<td>STAT 433</td>
<td>Data Science with R</td>
<td></td>
</tr>
<tr>
<td>STAT 443</td>
<td>Classification and Regression Trees</td>
<td></td>
</tr>
<tr>
<td>STAT 451</td>
<td>Introduction to Machine Learning and Statistical Pattern Classification</td>
<td></td>
</tr>
<tr>
<td>STAT 453</td>
<td>Introduction to Deep Learning and Generative Models</td>
<td></td>
</tr>
<tr>
<td>STAT 456</td>
<td>Applied Multivariate Analysis</td>
<td></td>
</tr>
<tr>
<td>STAT 461</td>
<td>Financial Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT/COMP SCI 471</td>
<td>Introduction to Computational Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT/COMP SCI/ MATH 475</td>
<td>Introduction to Combinatorics</td>
<td></td>
</tr>
<tr>
<td>STAT 479</td>
<td>Special Topics in Statistics</td>
<td></td>
</tr>
</tbody>
</table>

Required Courses:

- Up to 6 credits from Statistics Courses Numbered: 0-6
- Select 6 or more elective credits of Statistics courses numbered 600 or higher.¹

Policies

GRADUATE SCHOOL POLICIES

The Graduate School’s Academic Policies and Procedures (https://grad.wisc.edu/acadpolicy/) provide essential information regarding general university policies. Program authority to set degree policies beyond the minimum required by the Graduate School lies with the degree program faculty. Policies set by the academic degree program can be found below.

NAMED OPTION-SPECIFIC POLICIES

PRIOR COURSEWORK

Graduate Work from Other Institutions

With program approval, students are allowed to count no more than 9 credits of graduate coursework from other institutions toward the graduate degree credit and graduate coursework (50%) requirements. Coursework earned five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

UW–Madison Undergraduate

With program approval, up to 6 statistics credits from a UW–Madison undergraduate degree numbered 600 or above are allowed to count toward minimum graduate degree credits. Coursework earned five or
more years prior to admission to a master’s degree is not allowed to satisfy requirements.

**UW–Madison University Special**
With program approval, up to 15 statistics credits completed at UW–Madison while a University Special student numbered 300 or above are allowed to count toward minimum graduate degree and graduate residence credit requirements. Of these credits, those at the numbered 700 or above may also count toward the minimum graduate coursework (50%) requirement. Coursework earned five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

**TIME LIMITS**
The competency test must be passed within six semesters after entering the program. Contact the program for more information.

**PROBATION**
Three consecutive reviews in which a student fails to meet the minimum criteria for satisfactory progress will result in the student being dropped from the program. Contact the program for more information.

**ADVISOR / COMMITTEE**
Students are required to meet with their advisor near the beginning of each semester to discuss course selection and progress.

**CREDITS PER TERM ALLOWED**
15 credits

**GRIEVANCES AND APPEALS**
These resources may be helpful in addressing your concerns:

- Bias or Hate Reporting (https://doso.students.wisc.edu/bias-or-hate-reporting/)
- Graduate Assistantship Policies and Procedures (https://hr.wisc.edu/policies/gapp/#grievance-procedure)
- Hostile and Intimidating Behavior Policies and Procedures (https://hr.wisc.edu/hib/)
  - Office of the Provost for Faculty and Staff Affairs (https://facstaff.provost.wisc.edu/)
  - Dean of Students Office (https://doso.students.wisc.edu/) (for all students to seek grievance assistance and support)
- Employee Assistance (http://www.eao.wisc.edu/) (for personal counseling and workplace consultation around communication and conflict involving graduate assistants and other employees, post-doctoral students, faculty and staff)
- Employee Disability Resource Office (https://employee.disabilities.wisc.edu/) (for qualified employees or applicants with disabilities to have equal employment opportunities)
- Graduate School (https://grad.wisc.edu/) (for informal advice at any level of review and for official appeals of program/department or school/college grievance decisions)
- Office of Compliance (https://compliance.wisc.edu/) (for class harassment and discrimination, including sexual harassment and sexual violence)
- Office of Student Conduct and Community Standards (https://conduct.students.wisc.edu/) (for conflicts involving students)
- Ombuds Office for Faculty and Staff (http://www.ombuds.wisc.edu/) (for employed graduate students and post-docs, as well as faculty and staff)
- Title IX (https://compliance.wisc.edu/titleix/) (for concerns about discrimination)

Students should contact the department chair or program director with questions about grievances. They may also contact the L&S Academic Divisional Associate Deans, the L&S Associate Dean for Teaching and Learning Administration, or the L&S Director of Human Resources.

**OTHER**
Students pursuing the general statistics and biostatistics options are considered for department financial support and may seek a dual degree if desired.

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

**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-weiyin/), 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