STATISTICS: STATISTICS, M.S.

This is a named option within the Statistics M.S. Find information about the traditional Statistics M.S. program requirements and policies here.

ADMISSIONS

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. Graduate admissions is a two-step process between academic programs and the Graduate School. Applicants must meet the minimum 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.

Requirements | Detail
--- | ---
Fall Deadline | January 2
Spring Deadline | The program does not admit in the spring.
Summer Deadline | The program does not admit in the summer.
GRE (Graduate Record Examinations) | Required.*
English Proficiency Test | 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.
Other Test(s) (e.g., GMAT, MCAT) | n/a
Letters of Recommendation | Required

* Due to COVID-19, there have been challenges for students attempting to take the GRE. For students applying for Fall 2021, the GRE requirement is optional. Regardless of whether GRE scores are submitted, all applications will be held in equal regard.

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students are able to complete a program with minimal disruptions to careers and other commitments.
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

Requirements | Detail
--- | ---
Minimum Credit Requirement | 30 credits
Minimum Residence Credit Requirement | 16 credits
Minimum Graduate Coursework Requirement | Half of degree coursework (15 credits out of 30 total credits) must be completed graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university's Course Guide (https://registrar.wisc.edu/course-guide/).
Overall Graduate GPA Requirement | 3.00 GPA required.
Other Grade Requirement | A grade of B or better must be received in any course used to fulfill the required and elective course requirements.
Assessments | Students must pass a competency test containing both a written and an oral component, demonstrating that they have the potential to be a practicing statistician.
Language   No language requirements.

Requirements

**REQUIRED COURSES**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STAT 609</td>
<td>Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>or STAT/ MATH 709</td>
<td>Mathematical Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT 610</td>
<td>Introduction to Statistical Inference</td>
<td>4</td>
</tr>
<tr>
<td>or STAT/ MATH 710</td>
<td>Mathematical Statistics</td>
<td></td>
</tr>
<tr>
<td>STAT 849</td>
<td>Theory and Application of Regression and Analysis of Variance I</td>
<td>3</td>
</tr>
<tr>
<td>STAT 850</td>
<td>Theory and Application of Regression and Analysis of Variance II</td>
<td>3</td>
</tr>
<tr>
<td>STAT 998</td>
<td>Statistical Consulting</td>
<td>3</td>
</tr>
</tbody>
</table>

Select 6 or more elective credits of Statistics courses 600 or higher, except those listed above and STAT 699

The following will also be allowed to count toward the 30-credit minimum for the master's degree (with permission of the Curriculum and Degree Requirement Committee)

**Up to 6 credits from Statistics Courses Numbered:**

- STAT 327 Learning a Statistical Language
- STAT 349 Introduction to Time Series
- STAT 351 Introductory Nonparametric Statistics
- STAT 411 An Introduction to Sample Survey Theory and Methods
- STAT 421 Applied Categorical Data Analysis
- STAT 456 Applied Multivariate Analysis
- STAT/ COMP SCI 471 Introduction to Computational Statistics

**Up to 6 credits outside of STAT in consultation with advisor.**

**Up to 6 credits of STAT 699 in consultation with advisor.**

**Total Credits**

30

**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 at the 600 level 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 at the 300 level or above are allowed to count toward minimum graduate degree and graduate residence credit requirements. Of these credits, those at the 700 level 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.

**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

**TIME CONSTRAINTS**

The competency test must be passed within six semesters after entering the department.

**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://employeedisabilities.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/departmental 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

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.

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
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
Po-Ling Loh (https://stat.wisc.edu/staff/loh-po-ling/), Associate 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/), Professor
Brian Yandell (https://stat.wisc.edu/staff/yandell-brian/), Professor
Anru Zhang (https://stat.wisc.edu/staff/zhang-anru/), Assistant 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/) (chair), Professor