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.

NAMED OPTION REQUIREMENTS

MODE OF INSTRUCTION

<table>
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<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
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<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
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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

Minimum 30 credits

- Core
  - STAT 609: Mathematical Statistics I
  - STAT 610 or STAT/MATH 709: Introduction to Statistical Inference
  - STAT 849: Theory and Application of Regression and Analysis of Variance I
  - STAT 850: Theory and Application of Regression and Analysis of Variance II

- Elective
  - Select 6 or more elective credits of STAT courses numbered 600 or higher.

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)

- Up to 6 credits from STAT Courses Numbered:
  - STAT 303: R for Statistics I
  - STAT 304: R for Statistics II
  - STAT 305: R for Statistics III
  - 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 433: Data Science with R
  - STAT 434: Classification and Regression Trees
  - STAT 451: Introduction to Machine Learning and Statistical Pattern Classification
  - STAT 453: Introduction to Deep Learning and Generative Models
  - STAT 456: Applied Multivariate Analysis
  - STAT 461: Financial Statistics
  - STAT/COMP SCI 471: Introduction to Computational Statistics
  - STAT/COMP SCI/MATH 475: Introduction to Combinatorics
  - STAT 479: Special Topics in Statistics
  - STAT/COMP SCI/ISY E/MATH 525: Linear Optimization
  - STAT 575: Statistical Methods for Spatial Data

Other Grade Requirements

A grade of B or better must be received in any course used to fulfill the required and elective course requirements.

Assessments and Examinations

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 Requirements

No language requirements.
Courses that cover the same or similar topic at the undergraduate- and graduate-level may both be used towards the MS requirements. If both courses are to be used, the undergraduate level course must be completed first for both courses to be counted. Otherwise, only the graduate level course will be counted. Please note that this policy does not preclude students from taking just the undergraduate or just the graduate version of a topic. These combinations would include STAT 349 and STAT 701; STAT 351 and STAT 809; STAT 456 and STAT 760; STAT 443 and STAT 761; STAT 451 and STAT 615; and STAT/COMP SCI 471 and STAT 771. This will also apply to special topics courses that have similar topics between the undergraduate and graduate level.

**Up to 6 credits of graduate courses outside of STAT in consultation with advisor.** 0-6

**Up to 6 credits of STAT 699 in consultation with advisor.** 0-6

**Total Credits** 30