Outlook

Spring 2027 Enrollment Information for Statistics Certificate

From 'Statistics Certificate' via stat_ugcert <stat_ugcert@g-groups.wisc.edu>
Date Fri 10/23/2026 2:51 PM
To 'Carmela Diosana' via stat_ugcert <stat_ugcert@g-groups.wisc.edu>



Please carefully read this entire email for **Spring 2027 enrollment information**.

Remember a certificate is meant to complement your major. We recommend Statistics certificates enroll in only **1-2 statistics/math/quantitative courses per fall/spring semester**. If you are in a STEM/quantitative major, a maximum of **three** STEM/quantitative courses per semester is our recommendation.

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IMPORTANT DATES (View dates & deadlines here)

- **October 14** – Spring 2027 courses available on Course Search & Enroll
- **Week of November 2** – Spring 2027 term enrollment appointment times assigned to students throughout this week (check your MyUW Student Center and @wisc.edu email inbox).
- **Week of November 9** - Students begin enrolling for Spring 2027 term courses according to assigned appointment times.

ADVISING AVAILABILITY

Minimal & Quick Questions – Email statcert@stat.wisc.edu **or attend Zoom Drop-Ins**
Zoom drop-in advising is every Wednesday from 1-2 PM.

Complex Questions – Schedule a Starfish Appointment
Individual one-on-one appointments are preferred for complex questions, unique situations, or discussing course plans **BEYOND** the Spring 2027 semester. Advising is unavailable November 26 & 27 for Thanksgiving Break.

If you wish to switch to the Statistics major, please meet with a Statistics major advisor.

Please see the following links if you have further questions.

- Statistics course enrollment FAQ
- How to run a DARS report

ENROLLMENT HOLDS & PRE-ENROLLMENT CHECKLIST
Please check your Student Center to check for any holds or tasks that will impact your spring enrollment.

- Viewing your Holds
- Pre-Enrollment Checklist

PRIORITY ENROLLMENT
Some statistics courses will give priority enrollment for declared Statistics certificate students. Please see the **course notes** section in Course Search & Enroll to find out if individual courses have priority enrollment access.

Priority enrollment **does not guarantee** access into certificate courses but will allow declared Statistics certificate students access to enroll before non-declared students.

SPRING 2027 STATISTICS COURSES
Click here to view the full curriculum.

Statistics Certificate students are required to take 3 credits of elective coursework. Having **STAT 304 and/or 305** (valued at 1 credit each) as your **ONLY** elective(s) will **NOT** fulfill the required 3 credits of electives.

Planned Elective Courses – STAT/MATH 310, STAT 312, 405, STAT/M E 424, STAT 433, 436, 443, 451, 453, 456, 479, and STAT/B M I 620.

There are three STAT 479 special topics offered this Spring 2027 for undergraduate students.

STAT 479: Stat Analysis of Network Data (Section 001)
Networks and graph-structured data describe relationships between entities, such as peer-peer friendships among individuals in a social network, country-country trade relations in economics, or brain region-region co-activation in neuroimaging studies. In recent years, advances in data acquisition technologies and interest in the study of complex, interdependent systems have led to the proliferation

of network datasets throughout the natural sciences, physical sciences, and engineering. This course provides an introduction to statistical methods, theory, and applications for network data analysis. Topics include network summary statistics and visualization, random graphs and latent variable models, clustering and dimensionality reduction, methods of estimation and hypothesis testing, spectral techniques, and computation in R. This course emphasizes real-world examples and applications.
Requisites: (STAT 240 or 303) and (STAT/MATH 309, STAT 311, MATH 331, STAT/MATH 431, or MATH 531)
Meeting Time: TR 9:30AM-10:45AM

STAT 479: Interpretable Machine Learning (Section 003)
Develops the practice and theory of interpretable machine learning, with an emphasis on statistical problem solving through case studies. Topics include competing criteria for interpretability; linear and logistic regression as interpretable baselines; intrinsically interpretable sparse and tree-based models; variable importance and Shapley values; connections to veridical data science principles. The course also examines interpretability in artificial intelligence, covering probes, and concept activation, and sparse autoencoder analysis, with implications for model control and AI safety. Throughout, students gain practical experience implementing methods and critically evaluating interpretability outputs.
Requisites: STAT 333 or 340
Meeting Time: T/R 4:00pm – 5:15pm

STAT 479: Data Science for Industry (Section 008)
Solve real problems in regular collaboration with an industry client; work as a team to manage a project timeline and client expectations; rapidly prototype and iterate on reproducible end-to-end analyses; produce and present a reproducible, value-driven hand-off package; leverage industry-standard tooling including AI coding agents, git, quarto, formatters, linters, project dependency managers, automated testing, and containers for reproduction, collaboration, and sharing; refine broad questions into carefully-scoped statistical and data science tasks; uphold professional standards of data security, project management, personal productivity, and ethics; enhance oral and written communication skills to support synchronous and asynchronous client interactions.
Requisites: Instructor Consent via filling out this form:
https://uwmadison.co1.qualtrics.com/jfe/form/SV_5bvpeV9m23DoNcG
Meeting Time: T/R 1:00pm – 2:15pm

ACTION ITEMS FOR SPRING 2027 GRADUATES
Apply for Graduation
If you are planning to graduate in May, you MUST apply for graduation after enrolling in your courses. Follow these Apply for Graduation steps.

Additional links regarding graduation
- Office of the Registrar's diploma information webpage
- What appears on your transcript
- University Commencement
- College of Letters & Science celebration
- Department of Statistics graduation celebration

What if I do not see Statistics certificate on my graduation application?

The Apply for Graduation portal will only display a student's degree (and/or affiliated major). Your graduation application applies to all your declared majors and certificates; no additional steps are necessary.

Statistics Certificate Advising

Department of Statistics, University of Wisconsin-Madison
https://stat.wisc.edu/statistics-certificate/