Fall 2023 Enrollment Information for Data Science Certificate

Fall 2023 enrollment is around the corner! Please carefully read this entire email for enrollment information.

IN THIS NEWSLETTER
1. Important dates and deadlines
2. Advising
3. Enrollment holds
4. Priority enrollment
5. Fall courses for Data Science Certificate
6. Planning to graduate Fall 2023?

IMPORTANT DATES AND DEADLINES (https://registrar.wisc.edu/dates/)
• March 8 – Fall 2023 courses available on Course Search & Enroll
• April 3 – Fall term enrollment appointment times assigned to students throughout this week (check your MyUW Student Center and @wisc.edu email inbox)
• April 10 – Students begin enrolling for Fall 2023 term courses according to appointment times

ADVISING
Data Science certificate students can make an advising appointment with me in Starfish. I am unavailable on March 24. Quick questions should be directed to dscert@stat.wisc.edu. Drop-in advising is also available every Thursday from 1-2pm on Zoom (except March 23).

Please see the following links if you have further questions.
• STAT course enrollment FAQ: https://stat.wisc.edu/courses-and-enrollment/
• COMP SCI course enrollment FAQ: https://www.cs.wisc.edu/courses-2/
• How to run a DARS report: https://registrar.wisc.edu/dars-student/

ENROLLMENT HOLDS
Please check your Student Center frequently to confirm that you do not have any holds that will impact your summer enrollment. https://kb.wisc.edu/registrar/4139

PRIORITY ENROLLMENT
Some advanced courses will give priority enrollment for declared Data Science certificate courses. These courses include STAT 340 and LIS 461.

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 DS students access to enroll before non-declared students.

FALL COURSES FOR DATA SCIENCE CERTIFICATE
All the foundational data science courses are planned to be taught in Fall 2023.

Foundation Requirement 1: LIS 461 Data and Algorithms: Ethics and Policy
Must be declared in Information Science or Data Science in order to enroll. Please double-check that you are enrolling in the correct lecture section, it will likely be impossible to switch later on!

If you have issues preventing you from enrolling at your enrollment time (either technical or personal), please contact me at dscert@stat.wisc.edu.
Fall 2023 Enrollment Information for Data Science Certificate

- **Lec 001 is 4 credits** (lecture and discussion) which will count for Humanities and Communication B.
- **Lec 002 is 3 credits** (lecture only) which will count for Humanities.

**Foundation Requirement 2:** *(Complete 2 courses from this list)*

*Students who have COMP SCI 300 completed need to take COMP SCI 320. If you feel that you should take COMP SCI 220 instead of 320, please schedule a meeting with me to discuss about this!*

1. **COMP SCI 220** Data Science Programming 1 (4 cr) **OR** **COMP SCI 320** Data Science Programming 2 (4 cr)
2. **STAT 240** Introduction to Data Modeling (4 cr)
3. **E C E 204** Data Science & Engineering (3 cr)
   a. Lec 001 is for freshmen and sophomores
   b. Lec 002 is for juniors and seniors

**Elective Courses** *(Complete 2 courses, at least 3 credits should be from the fundamental elective list)*

Please go to the [Guide Page](#) to find the full list of electives.

Here is some additional information regarding the fall 2023 course offerings.

- **COMP SCI 576 Introduction to Bioinformatics** has updated their course requisite to COMP SCI 320 or 400 and Math 222 (previously it was CS 400 & Math 222).
- **ECON 695** has two topic courses to choose from which are (1) Casual Effects in Policy and (2) Data Analysis and Big Data
- The following are fall only courses - BIOCORE 382 & 486, COMP SCI 576, and A A E/ECON 421

Below are NEWLY approved elective courses.

- **Fundamental Electives**
  - COMP SCI 544 Introduction to Big Data Systems *(offered fall 2023)*
  - COMP SCI 565 Introduction to Data Visualization*
  - ECON 460 Economic Forecasting
  - FINANCE 310 Data Analytics for Finance
  - GEOG 579 GIS and Spatial Analysis *(offered fall 2023)*
  - I S Y E 521 Machine Learning in Action for Industrial Engineers *(offered fall 2023)*
  - Math 444 Graphs and Networks in Data Science* *(offered fall 2023)*
  - PHYSICS 361 Machine Learning in Physics*
  - STAT 405 Data Science Computing Project
  - STAT 436 Statistical Data Visualization

- **Domain Electives**
  - INFO SYS 322 Introduction to Databases *(offered fall 2023)*
  - SOC 618 Social Network Analysis
  - STAT 479 Evaluating Methodological Errors in Research* *(offered fall 2023)*

* These electives will not appear in Guide or DARS automatically. After the fall 2023 course drop deadline, I will submit requests to add it to student DARS reports for those who are enrolled.

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The following courses will appear in Guide and DARS beginning June 1, 2023: COMP SCI 544, ECON 460, FINANCE 310, GEOG 579, I SY E 521, STAT 405, STAT 436, INFO SYS 422, and SOC 618. No action will be required for these courses to appear on enrolled students’ DARS reports.

PLANNING TO GRADUATE FALL 2023?
If you are planning to graduate in fall 2023, you MUST apply for graduation after enrolling in your courses. Please click here for a step-by-step guide on how to apply. https://kb.wisc.edu/registrar/4128

Below are some additional links regarding graduation.

- Office of the Registrar’s diploma information page: https://registrar.wisc.edu/diploma/
- What appears on your transcript: https://kb.wisc.edu/registrar/page.php?id=96537
- Commencement: https://commencement.wisc.edu/