

## Fall 2023 Enrollment Information for Data Science Certificate

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

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### 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

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### 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](mailto: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/>

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### 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>

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### PRIORITY ENROLLMENT

Some advanced courses will give priority enrollment for declared Data Science certificate courses. These courses include STAT 340 and L I S 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.

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### FALL COURSES FOR DATA SCIENCE CERTIFICATE

All the foundational data science courses are planned to be taught in Fall 2023.

#### **Foundation Requirement 1: L I S 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!*

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- **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 SY 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.

## Fall 2023 Enrollment Information for Data Science Certificate

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.

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### 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/>