

### MSDS COE course registration guideline

Hello, and congratulations on your acceptance to the College of Engineering Master of Science in Data Science program at Northeastern University! We are looking forward to having you join us.

As an incoming Spring 2026 student, there are some steps that you need to take before the semester starts. Please read this document thoroughly as it contains helpful information and can answer many of your questions before you begin your first semester. If you have any questions, please contact [coe-ece-gradadvising@northeastern.edu](mailto:coe-ece-gradadvising@northeastern.edu)

**Step 1:** Confirm your Enrollment Please confirm your enrollment at Northeastern University, as you will not be able to register for classes until you complete this step. To confirm your enrollment, log into your [electronic application account](#) and pay the enrollment deposit. If you have any questions, please contact Graduate Admissions at [coegradadmissions@northeastern.edu](mailto:coegradadmissions@northeastern.edu). Check your SPAM for a response.

**Step 2:** Know your faculty and administrative advisors As a student in the Electrical and Computer Engineering program, you have a team of faculty and staff to assist you in your academic career in the Graduate School of Engineering. You will meet these faculty and staff members during your orientation and have the opportunity to ask them any questions you might have.

- Dr. Pau Closas ([closas@northeastern.edu](mailto:closas@northeastern.edu))  
Program Co-director for the MS DS program and Associate Professor in ECE.
- COE Graduate Advising Team: Laura Eberly Haskell, Kirsten Bilas & Molly Xue ([coe-ece-gradadvising@northeastern.edu](mailto:coe-ece-gradadvising@northeastern.edu))
- [Co-op Team](#)

**Step 3:** Course Registration We strongly advise that incoming full-time students register for only two courses, and that incoming part-time students register for only one course. \*Please Note: International students entering the United States will need to register for at least 8 semester hours.\* We have provided our course recommendations to you below, listed according to your concentration and in order of preference. As these are recommendations, students can take courses in any order or other courses to fulfill their degree requirements. All courses listed include the CRN (Course Reference Number) that you should use in order to select the correct course.

Regardless of the concentration you are in, MS DS program offers the following core courses that students need to take. For your first semesters, we encourage you to register in those, with the exception of DS 5500 Data Science Capstone, which is intended to practice the skills you learned

in previous core and elective courses, thus register this course later in your MS DS journey. These are the MS DS core courses, which satisfy the required 16 semester hours:

| Code                    | Title                                                                        |
|-------------------------|------------------------------------------------------------------------------|
| DS 5110                 | Introduction to Data Management and Processing                               |
| EECE 7205<br>or CS 5800 | Fundamentals of Computer Engineering<br>Algorithms                           |
| EECE 5644<br>or CS 6140 | Introduction to Machine Learning and Pattern Recognition<br>Machine Learning |
| DS 5500                 | Data Science Capstone                                                        |

Since you have chosen Engineering Theory and Modeling as your concentration for your MS in DS Program, you need to register for at least one 4 semester hours course from the Foundational Courses list, and the remaining 12 semester hours from the Translational and Advanced Courses list. See the current course offerings [here](#).

If a recommended course is at capacity, please consider registering for another core requirement and/or a program elective. All requirements can be found in [MS Data Science Course Catalog](#).

Please note: Not all courses listed on the elective list in the catalog are offered every semester. There is no guarantee any course will be offered in summer terms. Please log into Banner to review Fall 2025 offerings and to register.

We look forward to welcoming you to the Graduate School of Engineering!