

Congratulations on your acceptance to the Data Analytics Engineering (DAE) program at Northeastern University – Seattle!

Please remember to confirm your enrollment at Northeastern. You will not be able to register for classes (information below) until you confirm enrollment. You can confirm your enrollment by [logging into your application account](#) and paying the enrollment deposit. If you have any questions regarding this process, please reach out through the [Graduate Admissions Support Center](#).

We recommend that you complete IE 5374 (IE 6400), Foundations Data Analytics, and DAMG 6210, Data Management and Database Design, in your first semester. These courses are offered in the traditional instructional method in Seattle and online. These courses are part of your core course requirements and are an important building block for all your subsequent courses. You will have a structured course plan throughout the program to ensure the quality of learning. The subsequent classes and course plan will be shared with you at Orientation.

IE 5374/IE 6400 Foundations Data Analytics: Offers topics and skills designed to prepare students for advanced courses in data analytics engineering. Covers basic concepts and implementation of methods related to probability, eigenvalues and eigenvectors, cluster analysis, text mining, and time series analysis. Offers students an opportunity to learn how to work with modern data structures and apply computational methods for data cleaning and data wrangling operations.

Sections Available:

Spring 2023, Monday & Wednesday, 4:00 – 5:40 PM PDT, CRN 39975
Traditional Instructional Method

IE 6600 Computation and Visualization for Analytics: Offers students an opportunity to learn how to use visualization tools and techniques for data exploration, knowledge discovery, data storytelling, and decision making in engineering, healthcare operations, manufacturing, and related applications. Covers basics of Python and R for data mining and visualization. Introduces students to static and interactive visualization charts and techniques that reveal information, patterns, interactions, and comparisons by focusing on details such as color encoding, shape selection, spatial layout, and annotation.

Sections Available:

Spring 2023, Tuesday & Friday, 9:50 – 11:30 AM PDT, CRN 34000
Livestream Instructional Method

DAMG 6210 Data Management and Database Design: Students will study the design of information systems from a data perspective for engineering and business applications; data modeling, including entity-relationship (E-R) and object approaches; user-centric information requirements and data sharing; fundamental concepts of database management systems (DBMS) and their applications; alternative data models, with emphasis on relational design; SQL; data normalization; data-driven application design for personal computer, server-based, enterprise wide, and Internet databases; and distributed data applications.

Sections Available:

Spring 2023 Tuesday, 6:30-9:30 PM PDT, CRN 36506
Traditional Instructional Method

Professor Sagar Kamarthi, the Program Director of the Data Analytics Engineering program and program support staff, have created the following tentative for you to refer to as you choose your courses for this spring. If you have any questions, you may reach out to your academic advisor, Adrianna Plavetsky (coe-seattle-gradadvising@northeastern.edu).

The following is a tentative 2-year course plan for your program suggested by the Faculty Advisor.

Tentative Plan for Spring Entry Students	
Year 1	Spring: IE 5374 and IE 6600 or IE 6700 or DAMG 6210 Fall: IE 7275 and IE 6600 or IE 6700 or DAMG 6210
Year 2	Spring: OR 6205 and IE 7300 or Elective 1 Fall: Elective 2 and IE 7300 or Elective 1

* Course numbers are subject to change; however, course content will remain the same. Please check all communications from Northeastern periodically.

Frequently Asked Questions

How do I register? If you need help navigating to your registration worksheet on your MyNEU account, please watch the following webinars for instructions on how to register using your MyNEU account: <https://registrar.northeastern.edu/article/new-registration-experience/>

If you need individual help, please feel free to contact your Academic Advising department: coe-seattle-gradadvising@northeastern.edu

What if I already registered for classes? Please drop them immediately, unless they are from the tentative course plan listed above.

Meeting with Professor Kamarthi: You will have an opportunity to meet with key staff members at Orientation. Schedule and information will be shared later. Please note that you are required to attend orientation.

Am I allowed to take three courses? No, DAE students are limited to two courses their first year. Based on feedback from our students we found that three courses were too demanding, especially in terms of final exams and projects. No exceptions to this policy will be considered until after your first year.

Am I allowed to take courses from the Boston Campus? No, you should not take courses from other campuses as you will not be able to participate in the course.

Can I take courses from other departments? DAE students may take their two electives from either the MSIS (Information Systems) or Khoury (Computer Science) programs. MSIS is another

COE program offered in Seattle. The elective options will be available to DAE students after your first year in the program.

What is the duration of the Data Analytics Engineering Program? You are required to take eight courses, for a total of 32 credits. The program takes a minimum of three semesters to complete. The typical student takes 2.5 years to complete the program, which includes an eight-month Co-op.

Is there funding or Teaching Assistant jobs available for first year students? Unfortunately, there are no funding options in your first semester. You may apply for a TA position after your first semester. You are expected to be fully dedicated to achieving academic success in the first semester of the program.

Am I required to bring a laptop? Yes. You must bring a high-quality laptop with a minimum of 8 GB memory AND a strong (4 hour) battery life.

Will I get a bill from registering? Yes, your first e-bill is generated when you register for your courses. You will receive an e-bill from the University with instructions on how to pay the e-bill. If you have questions about payment, please contact the Student Financial Services office directly: <http://www.northeastern.edu/financialaid/contact/>.

How do I get a MyNEU account? After you confirm your enrollment, you will be able to utilize your MyNEU portal. If you have not set up your MyNEU account, login to your electronic application and look for instructions to do so:
https://app.applyyourself.com/AYApplicantLogin/fl_ApplicantConnectLogin.asp?id=neu-grad

For more information about beginning your program at Northeastern University, please read your acceptance letter in full.

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

Sincerely,

Graduate School of Engineering
Northeastern University