

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](#).

As a DAE student you are **required to complete IE 6200, Engineering Probability & Statistics, and IE 6600, Computation & Visualization for Analytics, in your first term.** These classes are an important building block for all of 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 in September.

Professor Sagar Kamarthi, the Program Director of the Data Analytics Engineering program and your Academic Advisor, Megan Sykes, have created the following advising guide for you to refer to as you choose your courses for this Fall.

IE 6200 (required), Engineering Probability & Statistics: Students will study fundamental concepts of probability. Topics include events, sample space, and discrete and continuous random variables; density functions, mass functions, cumulative probability distributions, and moment generating functions; expectation of random variables; common discrete and continuous probability distributions including binomial, Poisson, geometric, uniform, exponential, and normal; multivariate probability distributions, covariance, and independence of random variables; sampling and descriptive statistics; and parameter estimation, confidence intervals, and hypothesis testing. Also introduces analysis of variance. Requires knowledge of multivariate calculus.

Sections Available:

Saturday 10:00 AM – 1:00 PM CRN 18586

IE 6600 (required), Computation & 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:

Monday 6:00-9:00 PM CRN 18587

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:

◆ New Registration Experience: <https://registrar.northeastern.edu/article/new-registration-experience/>

If you need individual help, please feel free to contact your Academic Advisor: Megan Sykes (m.sykes@northeastern.edu)

What if I already registered for classes?: Please drop them immediately, unless they are the courses listed above. As a first term student you can only take the sections of the classes listed above. If you are registered in a section whose CRN number does not match with a number above you are in the wrong section.

Meeting with Professor Kamarthi: You will have an opportunity to meet with your Academic Advisor, Megan Sykes, at Orientation. Professor Kamarthi, the Director of the Data Analytics Engineering program will visit the Seattle campus near the end of September.

Can I skip the IE 6200 or IE 6600 and take it later?:

No, you must take both classes this Fall. The classes are essential for advancing yourself through the program and engaging in a successful co-op experience.

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.

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 year. TA positions are filled by second year students only. You are expected to be fully dedicated to achieving academic success in the first year 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) batter life.

Am I eligible for Co-op?: You are not eligible for co-op the first two semesters of your program, during which your focus will be strictly academic. You are allowed to begin your first co-op after the Spring semester ends. In addition, you must be enrolled full-time, have a minimum of a 95 TOEFL score (or 7 on the IELTS), have at least a 3.2 GPA, and completed 16 credits. During your last semester of study (in your second year), you must be fully on campus as a full-time student, even if you are eligible to be on co-op. According to government rules and regulations, co-op is an educational opportunity to strengthen your engineering skills --not a job pursuit.

How do I register for the Co-op course?: One of the requirements to becoming eligible to go on co-op is to take ENCP 6100: Introduction to Cooperative Education. We will send out registration information once this class is made available.

How long can I go on Co-op?: Co-ops are a minimum of four months and a maximum of eight months.

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