



# Northeastern University

## College of Engineering

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

Please remember to confirm your enrollment at Northeastern, as you will not be able to register for classes until you complete this step. 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 student in the DAE program, you have a team of faculty and staff to support you throughout your time in the College of Engineering (COE). You will have the opportunity to meet with many of them at orientation and will work with some of them on-ground in Vancouver.

- Srinivasan Radhakrishnan ([s.radhakrishnan@northeastern.edu](mailto:s.radhakrishnan@northeastern.edu))  
Program Director for DAE
- Tony Sultornsanee ([s.sultornsanee@northeastern.edu](mailto:s.sultornsanee@northeastern.edu))  
Program Contact for Vancouver DAE students
- Antonio Fadda - COE Academic Advisor ([coe-vancouver-gradadvising@northeastern.edu](mailto:coe-vancouver-gradadvising@northeastern.edu))
- Vancouver graduate student support  
[Local Resources | Student Life Vancouver \(northeastern.edu\)](#)

We recommend that you complete IE 6400 Foundations for Data Analytics, **AND** IE 6600, Computation and Visualization for Analytics. These courses are offered in the traditional instructional method in Vancouver. 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 6400 Foundations for 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:***

Fall 2023, Friday, 5:30 – 9:00 PM PDT  
Traditional Instructional Method

Fall 2023, Friday, 1:00 – 4:30 PM PDT  
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:***

Fall 2023, Monday and Wednesday, 8:30 – 10:10 PM PDT

Traditional Instructional Method

**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 additional support, please feel free to contact your Academic Advising department: [coe-vancouver-gradadvising@northeastern.edu](mailto:coe-vancouver-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 Radhakrishnan:** 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?** DAE students are not recommended to take more than two courses per semester. Based on feedback from our students we found that three courses may be too demanding. No exceptions to this policy will be considered until after your first year.

**Am I allowed to take courses from the Boston Campus?** You may not take courses from other campuses as you will not be able to participate in the course. In addition, students must maintain an on-ground presence at their designated campus.

**Can I take courses from other departments?** DAE students may take their electives from Khoury (Computer Science) programs.

**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.

**Am I eligible for Co-op?** DAE students are eligible to participate in the co-op program once all eligibility requirements are met. As one of the eligibility requirements, you will be able to take ENCP 6100 Introduction to Cooperative Education either in your first or second semester. More information about co-op will be shared during orientation.

**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 after 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/>.

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