Congratulations on your acceptance to the Master of Science (MS) Information Systems program at Northeastern University – Toronto!

As an incoming Fall 2024 student, there are some steps that you need to take before the Fall semester starts. **Please read this document thoroughly as it contains helpful information and can answer many of your questions before you start your first semester in your master's program**.

Step 1: Confirm your enrollment.
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 to the Graduate Admissions team at coe-gradadmissions@northeastern.edu.

Step 2: Know your faculty advisors and administrative contacts.

[Professor Kal Bugrara](#)
Program Director, Information Systems

[Professor Maricla Pirozzi](#)
Program Director, Information Systems – Bridge, and Data Architecture & Management

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Step 3: Complete your course registration.

As an Information Systems student, you are **required to complete INFO 5100: Application Engineering Development,** and the accompanying lab, **INFO 5101: Lab for INFO 5100, in your first term**. This is the only required course in the Information Systems program and it is an important building block for all your subsequent courses.

Professor Kal Bugrara, the Director of the Information Systems program, has created the following advising guide for you to refer to as you choose your courses for this Fall. Please register for Toronto sessions of the courses. You will not be able to take courses from other campuses. **Please note class information is subject to change.**

INFO 5100 (required): Application Engineering and Development

Students will learn innovative software programming techniques that will enable them to design and build any kind of application properly and quickly. Through hands-on weekly lab sessions, students practice the development of applications as an assembly of components. Object-oriented techniques for building business architectures that map to software applications will be introduced. You will learn how to master ways of taking vague requirements and turn them into systems of eco-system scale. This class was designed to meet the needs of engineering students with a limited programming background. Students who do have a programming background will learn how to design and architect software the right way. This class with its emphasis on solid design of socio-technical systems is the cornerstone of what we do in Information Systems.

> **Sections Available:**
> Section 07: Friday 12:00 – 3:00 PM
> **CRN 15968**
>
> Section 14: Friday 3:00 – 6:00 PM
> **CRN 20821**

INFO 5101 (required): Lab for INFO 5100

This required lab session is complementary to the main lectures of INFO 5100. The lab will cover the syntax and semantics of programming in the Java programming language. The teacher will emphasize all aspects of the Java programming language in depth to ensure students are ready

to tackle complex problems. The lab will be especially useful for students with a minimum programming background.

<div align="center">

<u>Section Available:</u>
<u>Section 23:</u> Does Not Meet
CRN 15969

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<u>**Elective Offerings:**</u>
<mark>**In the coming weeks, the department will share elective offerings with you in a separate guidance document**</mark>. At that time, you will need to pair one of the provided elective options with INFO 5100, and the accompanying lab INFO 5101, in your first semester. We will provide several different elective options for our first-year students that will help you develop the skills you will need to be successful throughout the rest of your program. **Please ensure to monitor your Northeastern student email over the summer months for correspondence regarding elective offerings.**

Frequently Asked Questions

In addition to the items outlined below, please visit the [MGEN Frequently Asked Questions](#) page for further guidance.

<u>How do I register?</u>
Please enter the CRN numbers listed above directly into your registration worksheet. In some instances, these sections may not be available to view online as they are reserved for first-term students only. In these cases, you will not be able to register for these classes using the search classes feature and MUST enter the CRNs directly. If you need help navigating to your registration worksheet on your [StudentHub](#), please click on the following link for instructions on how to register: **[General Registration Instructions](#)**

*If you continue to encounter issues registering, please contact Graduate Student Services (coe-toronto-gradadvising@northeastern.edu)

<u>How do I get a MyNortheastern account?</u>
If you have not set up your MyNortheastern account, please refer to the following link on [How do I claim my student account.](#)

<u>What if I already registered for classes?</u>

Please drop them immediately--unless they are the courses listed above. **As a first-term student, you should 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.

When can I enroll in an elective offering?
You will receive guidance on enrolling in elective offerings in the coming weeks. When you receive the guidance, you will be able to enroll in an elective offering from the provided list. Please monitor your Northeastern student email during the summer months for correspondence regarding elective offerings.

How do I meet with Professor Bugrara?
You will have an opportunity to meet with Professor Bugrara, the Director of the Information Systems program, at orientation before classes start.

Can I skip the Application Engineering class (INFO 5100) and take it later?
No, you must take INFO 5100 this Fall. The class is essential for advancing yourself through the program and engaging in a successful co-op experience.

Am I allowed to take three courses?
No, Information Systems students are limited to two courses each term. Based on feedback from our students we found that three courses were too demanding, especially in terms of final exams and projects. All our courses require projects that count as much as 30% of your final grade and it is extremely hard to complete three of these a term. No exceptions to this policy will be considered until **after your first year**.

Can I take courses from other departments?
The only departments IS students can take courses from are INFO (Information Systems), DAMG (Data Architecture and Management), CSYE (Software Engineering Systems), and TELE (Telecommunication Systems).

Can I transfer credit from other universities?
No. Professor Bugrara firmly believes that all 32SH should be taken within the program at Northeastern University to uphold the integrity and continuity of the program.

What is the duration of the Information Systems Program?
You are required to take eight courses, for a total of 32 credits. The program takes a minimum of four 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) battery life -- this is **required** for the Application Engineering course.

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. 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 6000, Career Management for Engineers. To register, check Banner for available sections at your campus.

For more details, the Graduate Co-op Eligibility and Requirements can be found HERE.

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 the mode of payment or billing, please contact the Student Financial Services Office by submitting a Student Financial Services Inquiry Form. Please do not contact faculty members or the registrar's office regarding tuition payment or billing. Additional information is available on their website at 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!