



Northeastern University

College of Engineering

Congratulations on your acceptance to the Information Systems – Bridge program at The Roux Institute, Northeastern University – Portland, Maine!

As an incoming Fall 2025 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 key university and program contacts.

[Graduate Student Services \(GSS\)](#)

GSS is an academic resource in the College of Engineering which, in conjunction with university faculty and staff, facilitates key academic processes, including course registration, graduation clearance, and general academic advising.

[The Office of Global Services \(OGS\)](#)

OGS is an active resource to all international students and scholars at Northeastern. They provide the professional expertise and support you need to maintain compliance through immigration, academic, and your employment experiences.

[College of Engineering Graduate Admissions](#)

Our admissions team is dedicated to supporting you throughout the application process. If you have questions about your application, visit the [Graduate Student Support Center](#) for frequently asked questions, or contact the team via email at: coe-gradadmissions@northeastern.edu.

[Multidisciplinary Graduate Engineering \(MGEN\) Department](#)

The directors, faculty, and staff of the MGEN department work



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collaboratively to support our programs and students. As a new student, we recommend reviewing the [MGEN Frequently Asked Questions](#) page, which provides essential guidance for all MGEN students. For any other questions related to your MGEN program of study, please contact us at: mgen-programs@coe.northeastern.edu.

Step 3: Complete your course registration.

As an MSIS-Bridge student, you are **required to complete INFO 5001: Application Modeling and Design, and INFO 5002: Introduction to Python for Information Systems, in your first term.** These classes are an important building block for all of your subsequent courses. After completion of these courses, you will be prepared to take the remaining courses in the Information Systems - Bridge program in future semesters.

Professor Dr. Maricla Pirozzi, Director of Multidisciplinary Graduate Engineering Programs, in collaboration with your Academic Advisor, have created the following advising guide for you to refer to as you choose your courses for this Fall. **Please register for Portland sessions of the courses.** You will not be able to take courses from other campuses. **Please note class information is subject to change.**

INFO 5001: Application Modeling and Design

This class explores innovative design and programming techniques to build significant business applications with speed and complexity. Students will learn the process of systematically combining UX techniques, business processes, and complex data models to create applications that are user-friendly and meet business needs. You will explore the object-oriented paradigm, visual user interface design principles, programming languages, and productivity tools. Practice social-technical software engineering methods and tools to solve real-world problems. This is a required course for IS Bridge students.

Section Available:

Section 01: Tuesday & Thursday 6:00 PM – 7:40 PM EST
CRN 17612 (Synchronous Online)

INFO 5002: Introduction to Python for Information Systems

This class studies the Python programming language for application engineering. This hands-on course offers students an opportunity to obtain proficiency in the core concepts of Python and the skills and



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knowledge for building applications using any of the hundreds of thousands of task-specific Python libraries. The class covers the important concepts such as reading and writing to standard IO, using operators, controlling the flow of execution, using functions, reading and writing files, and basic object-oriented programming concepts. Students will learn how to apply tools and techniques to classical software engineering and Python-specific facilities such as code introspection, reuse, built-in sequence types, and iteration. This is a required course for IS Bridge students.

Sections Available:

Section 20: Tuesday 1:00 PM – 4:20 PM & Thursday 1:00 PM – 2:30 PM EST
CRN 20237

Section 21: Wednesday 6:00 PM – 9:20 PM & Friday 6:00 PM – 7:30 PM EST
CRN 20238

Frequently Asked Questions

In addition to the items outlined below, please visit the [MGEN Frequently Asked Questions](#) page and [MSIS-Bridge Frequently Asked Questions](#) section on the MSIS-Bridge website for further guidance.

How do I register?

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-roux-gradadvising@northeastern.edu)

How do I get my Northeastern account?

If you have not set up your Northeastern account, please refer to the following link on [How do I claim my student account.](#)



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How do I meet with Professor Pirozzi?

You will have an opportunity to meet with Professor Pirozzi, Director of Multidisciplinary Graduate Engineering Programs, at orientation before classes start.

Can I skip the Application Modeling class (INFO 5001) or the Intro to Python class (INFO 5002) and take it later?

No, you must take INFO 5001 and INFO 5002 this Fall. These 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. Information Systems - Bridge 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 courses require projects that count as much as 30% of your final grade and it is extremely hard to complete three of these in one term. **No exceptions to this policy will be considered until after your first year.**

Can I take courses from other departments?

The only departments MSIS-Bridge students are allowed to take classes from are INFO (Information Systems), CSYE (Software Engineering Systems), DAMG (Data Architecture and Management), and TELE (Telecommunication Systems).

Can I transfer credit from other universities?

No. Professor Pirozzi firmly believes that all 40SH 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 - Bridge Program?

You are required to take a total of 40 credits. A student working full-time towards their degree, who also participates in a co-op, typically completes the program in 2.5 - 3 years.

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.



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Am I eligible for co-op?

As an MSIS-Bridge student, the timing to take ENCP 6000 is dependent on meeting certain requirements and completing specific courses. During your first semester, you cannot take the co-op class of ENCP 6000. Instead, you must focus on passing INFO 5001 and INFO 5002 with a minimum grade of a B-.

It's important to note that INFO 5001 and INFO 5002 do not count towards eligible credits for the co-op program but do count towards your degree requirements.

To become eligible for the co-op program, you need to fulfill the following criteria:

1. Have completed 25SH of qualifying coursework (this includes ENCP 6000 (1SH)).
2. In your first semester, successfully complete INFO 5001 (4SH) and INFO 5002 (4SH).
3. In your second semester, complete INFO 5100 (4SH) and an elective worth 4SH.
4. In your third semester, enroll in 1-2 electives of your choice, totaling 4SH-8SH, depending on your Visa requirements.
5. The student's academic record must demonstrate a high level of success, including a cumulative GPA of 3.20 or higher, and a GPA of 3.20 or higher must be maintained.

Please keep in mind that the provided coursework outline is based on the MSIS-Bridge program requirements. You must complete INFO 5100, ENCP 6000, and 3 electives of your choosing to be eligible to go on co-op. For questions regarding co-op, please contact our co-op team at the following email:

MGENCoop@northeastern.edu.

If you have any further questions or need clarification, it is recommended to reach out to your academic advisor or co-op coordinator.

How do I register for the co-op course?

One of the requirements for co-op eligibility is passing *ENCP 6000, Career Management for Engineers*. You are able to register for this course after your first semester of the program (successfully completing INFO 5001 and INFO 5002).

How long can I go on co-op?

Co-ops are a minimum of four months and a maximum of eight months.



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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/>.

Are there any mentorship programs that provide support to Information Systems - Bridge students?

Yes. The MSIS-Bridge program provides an ecosystem of support made up of inclusive and diverse peers, the MSIS-Bridge Buddy program, and workshops.

Are there any resources available for students who want to learn more about a career in information systems and practice their skills?

Yes. The MSIS-Bridge program offers a [library of workshops](#) designed to help students learn more about potential careers in the information systems domain and sharpen their skills.

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!