Congratulations on your acceptance to the Information Systems – Bridge program at Northeastern University – Oakland!

As an IS-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 program in future semesters.

Maricla Pirozzi, the Director of the Information Systems - Bridge program and 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 Oakland sessions of the courses. You will not be able to take courses from other campuses.

INFO 5001 (required), 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.

Sections Available:
Tuesday 8:45 AM-10:25 AM and Friday 3:00-4:40 PM, CRN 20238 (Livecast Instructional Method)

INFO 5002 (required): 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 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.

Sections Available:
Monday & Wednesday, 11:50 AM-1:30 AM, CRN 20239 (Livecast Instructional Method)

Frequently Asked Questions
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 Student Hub account, please visit the Registrar’s website for instructions on how to register.

**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. Please make sure you are always registered for **8 SH** if you are a full-time student.

**Can I take an elective other than those listed above?** No. These classes were chosen because they are appropriate for first term students. Please refer to the advising guide to select the class most relevant to your interests.

**Meeting with Professor Pirozzi:** You will have an opportunity to meet with your Academic Advisor at Orientation. Professor Pirozzi, the Director of the Information Systems Bridge program, will host a meeting with all Oakland students during the Fall semester.

**Can I skip the Application Modeling class (INFO 5001) or 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 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-Bridge students can take courses from are INFO (Information Systems), DAMG (Data Architecture and Management), and CSYE (Software Engineering Systems).

**What is the duration of the Information Systems Program?** You are required to take a total of 40 credits.

**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.

**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.

**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 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. Complete 20 semester hours (SH) of qualifying coursework.
2. In your first semester, successfully complete INFO 5001 (4SH) and INFO 5002 (4SH).
3. In the second semester, complete INFO 5100 (4SH) and an elective worth 4SH.
4. In the third semester, enroll in 1-2 electives of your choice, totaling 4SH-8SH, depending on your Visa requirements.

Please keep in mind that the provided coursework outline is based on the MSIS Bridge program. You must complete INFO 5100 and three additional electives of your choosing to be eligible for the co-op program. Students who have completed 16SH (equivalent to four courses) with INFO 5001/5002 included are not yet eligible for co-op, as they have only completed 12 qualified semester hours (SH).

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 (completing INFO 5001 (4SH) and INFO 5002 (4SH)).

**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/](http://www.northeastern.edu/financialaid/contact/).

**How do I get a MyNEU account?** If you have not set up your my.Northeastern account, please refer to the following link on [How do I claim my student account](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