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

Please remember to confirm your enrollment at Northeastern. You will not be able to preregister for classes (information below) until you confirm enrollment. You can confirm your enrollment by logging into your application account and paying the enrollment deposit.

As an Information Systems student you are required to complete INFO 5100, Application Engineering Development, in your first term. This is the only required course in the Information Systems program and it is an important building block for all of your subsequent courses. INFO 5100 will be taught on Saturdays from 9:00-12:30 by Dr. Bugrara. The lab for INFO 5100, INFO 5101, will be held on Saturdays from 1:00-4:00. You will be automatically registered for these courses after you fill out the survey.

Your second course will be the first elective course in your program. We have six different elective options for our first term students that will help you develop the skills you will need to be successful throughout the rest of your program.

Professor Kal Bugrara, the Director of the Information Systems program and your Academic Advisor, has created the following advising guide for you to refer to as you choose your courses for this Spring.

**INFO 5100 (required), Application Engineering and Development:** Students will learn innovative software programming techniques that will enable them to properly design and build any kind of application quickly. Through hands-on weekly lab sessions, students practice the development of applications as an assembly of components. 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 is the cornerstone of what we do in IS.

**INFO 6210, Data Management and Database Design:** For the student who has no background in databases and wants to know what is involved in the design and programming of databases and wants to maximize technical skills. A good foundation for those who want to focus on data management, business intelligence, data science, etc. or who want to make these areas their career objectives. There is a lot of technical work involved here, so it will be a challenge along with the Application Engineering class. Students with a strong technical background may wish to take up this challenging opportunity. This class will prepare you well for Web Methods and Tools next year.

**INFO 7285, Organizational Change and IT:** You will learn about business strategy, how change happens in business, and you will enhance your people and communication skills, and how to work in difficult teams (for example, with people who might be insecure about change). You
will learn how to "read" the politics and psychology within companies. You will work with Professor Tricia McConville, one of the leading management consultants and Associate Dean at Curry College. This is an interactive course that is very engaging and highly recommended as a way of improving business skills. No technical background required and it is highly recommended for students with past work experience.

**CSYE 6200, Concepts of Object-Oriented Design:** This class will focus on the ins-and-outs of the java programing language. Students who did not program before will be asked to take this class in addition to Application Engineering. The combination of these two courses is an excellent way for students to strengthen their development skills in preparation for the Web Methods and Tools class next year.

**CSYE 6202, Concepts of Object-Oriented Design with C# (new course in development):** This will be a new class that explores the C#/.Net programs and will focus on the Microsoft platform. C# equivalent of CSYE 6200.

**CSYE 6205, Concepts of Object-Oriented Design with C++:** CSYE 6205 is the C++ equivalent of CSYE 6200. The emphasis here is on C and C++, in addition to the Unix operating systems fundamentals.

**CSYE 7280, User Experience Design and Testing:** Offers students an opportunity to build the necessary skill sets to make better decisions of the best way to design contemporary websites that cater to customer needs. This class will make it easy for you to design attractive user interaction models that address the needs of users and in customers. User functional requirements are addressed for a visual perspective.

Please fill out this survey, [https://www.surveymonkey.com/r/KBS5CVT](https://www.surveymonkey.com/r/KBS5CVT), to select your elective preference for the Spring.

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**How do I register?:** Please fill out your elective preferences through this survey, [https://www.surveymonkey.com/r/KBS5CVT](https://www.surveymonkey.com/r/KBS5CVT). After you enter your preferences in the survey a member of our team will complete your registration. These will be done on a first come, first serve basis so try to do this as soon as you are able. Please make sure your preferences are final- we will not switch registrations before the start of the term.

**Meeting with Professor Bugrara:** You will have an opportunity to meet with Professor Bugrara, the Director of the Information Systems program and your Academic Advisor before the start of the Spring term.

**Can I skip the Application Engineering class (INFO 5100) or take it later in the Fall or Summer?:**
No, you must take INFO 5100 this Spring. 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 of 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 other department Information Systems students are allowed to take classes from is CSYE (Computer Systems Engineering). CSYE is a sister program to IS and is being repositioned to focus exclusively on big-data technologies and programming platforms. Courses such as java, multi-threading, managing big-data projects, advanced big-data programming, as well as Scala/Spark programming are available to IS students through this 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 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- 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. You are allowed to begin your first co-op after the Fall semester ends (unless you take summer classes). 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. The CRNs for this course in the Spring are 35756 and 33778. Please register for 35756 first. If that section fills, then you can register for 33778. If both sections are full there will be an opportunity for you to take the course in the Summer or Fall.

**How long can I go on Co-op?:** Co-ops are a minimum of four months and a maximum of eight months. You can start a co-op after you have earned 16SH in the program.
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/graduate/index.html.

How do I get a MyNEU account?: After you confirm your enrollment, you will be able to utilize your MyNEU portal using this link, http://myneu.neu.edu/cp/home/displaylogin. 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