Congratulations on your acceptance to the Computer Systems Engineering 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.

An important part of your first term as a CSYE student is registering for the right classes. Professor Kal Bugrara, your Academic Advisor, has included his recommendations for your first term classes below. Please register as soon as you are able to ensure you have a spot in the course.

As a Computer Systems Engineering student you are **required to complete CSYE 6200, Concepts of Objects-Oriented Design, in your first term**. Your second course will be the first elective course in your program. We have three 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 Bugrara has prepared the following advising guide for you:

**Required:**

**CSYE 6200 (required), Concepts of Object-Oriented Design:** This class will focus on the ins-and-outs of the Java programming language. This course is an excellent way for students to strengthen their development skills in preparation for the heavy programming courses such as the Algorithms, Web Methods and Tools, Big-Data Engineering classes during the Spring semester.

**Advisor’s Note:** If you have never programmed before you should take INFO 5100 along with this course (please email Haley Lyons at h.lyons@northeastern.edu to register).

**Sections Available:**

- **Section 01:** Monday 6:00-9:30 PM **CRN 17025**
- **Section 02:** Wednesday 6:00-9:30 PM **CRN 18630**

**Elective Choices:**

**INFO 6150, Web Design and User Experience Engineering:** This course gets into the front-end design of web-based user interfaces using Javascript. You learn the latest tools, techniques, and frameworks for building attractive user interfaces that engage the user in meaningful ways. You'll learn about various ways that users interact with systems, color theory, and how to implement solid client-side user interfaces.
**Advisor’s Note:** Meant for students with minimal programming background but ready to program in Javascript and html. This class goes well with the Application Engineering class (INFO 5100). These two classes will prepare you well for becoming a front-end developer. This is a popular course that we recommend highly.

**Sections Available:**
- Section 02: Monday 6:00-9:30 PM **CRN 18626**
- Section 03: Saturday 9:00 AM -12:30 PM **CRN 18627**

**INFO 6205, Program Structure and Algorithms:** This class is recommended for students who have had programming experience before but lack the algorithmic approach to solving complex programming challenges. The class covers all kinds of data structures from stacks, queues, trees, graphs, and algorithmic performance complexity. In addition, the class covers various problem solving techniques such as divide and conquer, dynamic programing, randomized and greedy algorithms, backtrack search, etc.

**Advisor’s Note:** This class is very technical in nature and is intended to be for students who are comfortable programming. After the completion of this class you will be in a position of solve any programming problems.

**Sections Available:**
- Section 01: Monday 6:00-9:30 PM **CRN 18632**
- Section 02: Tuesday 11:45 AM- 1:25 PM/ Thursday 2:50- 4:30 PM **CRN 18651**

**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.

**Advisor’s Note:** This class will prepare you well for Web Methods and Tools in the Spring semester.

**Sections Available:**
- Section 05: Monday/ Wednesday/ Thursday 4:35- 5:40 PM **CRN 18650**
- Section 06: Wednesday/ Friday 11:45 AM- 1:25 PM **CRN 15165**

**Frequently Asked Questions**

**How do I register?:**
For CSYE 6200, INFO 6150, and INFO 6210: Please enter the CRN numbers listed above directly into your registration worksheet. Please note that these sections are not available to view online as they are reserved for first term students only. 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 MyNEU account please watch the following webinars for instructions on how to register using your MyNEU account:

♦ Course Search Webinar: http://www.northeastern.edu/registrar/webinar-search.html
♦ Course Add/Drop Webinar: http://www.northeastern.edu/registrar/webinar-adddrop.html

For INFO 6205: Please email Haley Lyons at h.lyons@northeastern.edu with your preferred section. Students will be accommodated on a first come first serve basis. If your selected class fills you will have to join a different elective that has seats.

Meeting with Professor Bugrara: You will have an opportunity to meet with Professor Bugrara, the Director of the Computer Systems Engineering program and your Academic Advisor at Orientation.

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 Spring semester ends. 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. This course will be available in both the Fall and Spring terms. One of the requirements to becoming eligible to go on co-op is to take ENCP 6000, Career Management for Engineers. This course will be available in both the Fall and Spring terms. Please search for ENCP 6000 on the Fall schedule to register.

Can I take courses from other departments?: The only other department Computer Systems Engineering students are allowed to take classes from is IS (Information Systems). IS is a sister program to CSYE and focuses on the space where computer engineering and business skills merge. Courses such as Data Sciences, Business Process Engineering, and Algorithms are available to CSYE students through this program in later terms.

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 Computer Systems 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.
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.

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://mynetu.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,

Multidisciplinary Graduate Engineering (MGEN) Department
Northeastern University