Congratulations on your acceptance to the Computer Systems Engineering – Engineering Software Design program at Northeastern University!

Please remember to confirm your enrollment at Northeastern University. You will not be able to register for classes 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 through the Graduate Admissions Support Center.

An important part of your first term as a CSYE-ESD student is registering for the right classes. Professor Kal Bugrara, the Director of the Computer Systems Engineering program and your Academic Advisor, has created the following advising guide for you to refer to as you choose your courses for this fall. To register for courses, please email Haley Lyons (h.lyons@northeastern.edu) as soon as possible to ensure you have a spot in your desired courses.

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
REQUIRED:
You are required to complete CSYE 6200 and INFO 6205 in order to earn Master’s degree. However, you have the choice to take INFO 6205 in your first semester along with CSYE 6200 OR you can take it in Fall 2019.

CSYE 6200 – Concepts of Object-Oriented Design: This class will focus on the ins-and-outs of the java programing language.

Sections Available:
  - Section 01: Monday 6:00 - 9:30 PM CRN 33248
  - Section 02: Friday 6:00 - 9:30 PM CRN 34266

INFO 6205, Program Structure and Algorithms: This class is meant 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 programming, randomized and greedy algorithms, backtrack search, etc. After the completion of this class you will be in a position of solve any programming problems.

Sections Available:
  - Section 01: Saturday 9:00 AM - 12:30 PM CRN 32743
  - Section 03: Tuesday 11:45 AM - 1:25 PM & Thursday 2:50 - 4:50 PM CRN 35499
  - Section 05: Tuesday & Friday 3:25 - 5:05 PM CRN 35501
  - Section 07: Wednesday 6:00 - 9:30 PM CRN 37378

**To register for CSYE 6200 and/or INFO 6205 please email Haley Lyons at h.lyons@northeastern.edu with the CRN of your preferred section**
In addition to one of the required courses, we strongly recommend that you consider one of the following courses for your first term electives:

ELECTIVE CHOICES:

**CSYE 7280- User Experience Design and Testing:** Introduces user experience concepts while working on Web design projects. Offers students an opportunity to build the necessary skill sets to make better decisions when designing contemporary websites that cater to customer needs. Students practice interview techniques to understand user requirements while keeping user experience central to the effort. Uses wireframes and user scenarios to drive the creative design process. Various case studies are introduced and discussed in team settings to emphasize user perspectives. Uses quality assurance and usability testing to drive validation and user-acceptance testing and approvals.

*Section Available:*
  - Section 01: Monday 6:00 - 9:30 PM **CRN 33738**

**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. This class will prepare you well for Web Methods and Tools in the Spring semester.

*Sections Available:*
  - Section 01: Monday 6:00 - 9:30 PM **CRN 32908**
  - Section 02: ONLINE **CRN 33410**
  - Section 03: Tuesday & Friday 9:50 – 11:30 AM **CRN 34833**
  - Section 04: Friday 6:00 - 9:30 PM **CRN 33741**
  - Section 06: Thursday 6:00 - 9:30 PM **CRN 35889**
FREQUENTLY ASKED QUESTIONS

How do I register?
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

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 Fall 2019 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. For spring 2019 admits, it is encouraged that you take this course during the Fall 2019 semester.

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 of the 32 semester hours 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) battery 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](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](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_Appli...grad](https://app.applyyourself.com/AYApplicantLogin/fl_ApplicantConnectLogin.asp?id=neu-grad)