



Northeastern University

College of Engineering

Hello, and congratulations on your acceptance to the Electrical and Computer Engineering Master of Science program at Northeastern University! We are looking forward to having you join us.

As an incoming Spring 2023 student, there are some steps that you need to take before the semester starts. Please read this document thoroughly as it contains helpful information and can answer many of your questions before you begin your first semester. If you have any questions, please contact Abby Hegarty (a.hegarty@northeastern.edu).

Step 1: Confirm your enrollment

Please confirm your enrollment at Northeastern University, as you will not be able to register for classes until you complete this step. To confirm your enrollment, log into your [electronic application account](#) and pay the enrollment deposit. If you have any questions, please contact Graduate Admissions at coe-gradadmissions@northeastern.edu.

Step 2: Know your faculty and administrative advisors

As a student in the Electrical and Computer Engineering program, you have a team of faculty and staff to assist you in your academic career in the Graduate School of Engineering. You will meet these faculty and staff members during your orientation and have the opportunity to ask them any questions you might have.

- **Dr. Masoud Salehi** (salehi@northeastern.edu)
Associate Chair for Graduate Programs
- **Abby Hegarty** (a.hegarty@northeastern.edu)
Assistant Director of Graduate Programs
- **Dr. Rachel Walsh-Peterson** (ra.walsh@northeastern.edu)
Electrical and Computer Engineering Co-op Advisor
- **Jackie Josselyn** (j.josselyn@northeastern.edu)
Electrical and Computer Engineering Co-op Advisor

Step 3: Course Registration

We strongly advise that incoming full-time students register for *only two courses*, and that incoming part-time students register for *only one course*. Note that International students entering the United States will need to register for at least 8 semester hours. We have provided our course recommendations to you below, listed according to your concentration and in order of preference. As these are recommendations, students can take courses in any order or other courses to fulfill their degree requirements. All courses listed include the CRN (Course Reference Number) that you should use in order to select the correct course.

Graduate School
of Engineering

130 Snell Engineering Ctr.
360 Huntington Ave.
Boston, MA 02115

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CCSP (Communications, Control, and Signal Processing)

- EECE 5666 (CRN 33283): Digital Signal Processing
- EECE 5580 (CRN 32852): Classical Control Systems
- EECE 5698 (CRN 39104): ST - Terahertz Communications for 6G
- EECE 5576 (CRN 34613): Wireless Communication Systems

CSYS (Computer Systems and Software)

- EECE 7205 (CRN 32853): Fundamentals of Computer Engineering
- EECE 7352 (CRN 33219): Computer Architecture
- EECE 5643 (CRN 33215): Simulation and Performance Evaluation
- EECE 7353 (CRN 30571): VLSI Design

CNWS (Computer Networks and Security)

- EECE 7205 (CRN 32853): Fundamentals of Computer Engineering
- EECE 7374 (CRN 32854): Fundamentals of Computer Networks
- EECE 5576 (CRN 34613): Wireless Communication Systems
- EECE 5641 (CRN 38541): Intro to Software Security

CVLA (Computer Vision, Machine Learning, and Algorithms)

- EECE 7205 (CRN 32853): Fundamentals of Computer Engineering
- EECE 7352 (CRN 33219): Computer Architecture
- EECE 5644 (CRN 38543, 33216): Introduction to Machine Learning and Pattern Recognition
- EECE 5554 (CRN 33213, 37056): Robotics Sensing and Navigation

HSMI (Hardware and Software for Machine Intelligence)

- EECE 7205 (CRN 32853): Fundamentals of Computer Engineering
- EECE 7352 (CRN 33219): Computer Architecture
- EECE 5644 (CRN 38543, 33216): Introduction to Machine Learning and Pattern Recognition
- EECE 7353 (CRN 30571): VLSI Design

ELPO (Electromagnetics, Plasma, and Optics)

- EECE 5698 (CRN 36598): ST - Introduction to Quantum Engineering
- EECE 5170 (CRN 33204): Introduction to Multiferroics Materials and Systems
- EECE 7271 (CRN 38713): Computational Methods in Electromagnetics
- EECE 7398 (CRN 38555): ST - Photonic Circuit Design for Information Processing

MSMD (Microsystems, Materials, and Devices)

- EECE 7201 (CRN 32447): Solid State Devices
- EECE 5698 (CRN 36598): ST - Introduction to Quantum Engineering
- EECE 5606 (CRN 36534): Micro- and Nanofabrication
- EECE 7353 (CRN 30571): VLSI Design

POWR (Power Systems)

- EECE 5684 (CRN 30863): Power Electronics
- EECE 5680 (CRN 32507): Electric Drives
- EECE 5580 (CRN 32852): Classical Control Systems
- EECE 5688 (CRN 38546): Analysis of Unbalanced Power Networks

Frequently Asked Questions

How do I get a myNortheastern account?

After you confirm your enrollment, you will be able to log in to your [MyNortheastern portal](#). If you have not set up your MyNortheastern account, log in to your [electronic application account](#) and look for instructions to do so.

How do I register for classes?

Visit the Registrar Office [Registration Experience](#) page to learn how to search and register for courses using your myNortheastern account. Make sure to use the EECE subject code when searching for courses. The online registration system will allow you to add or drop courses. The deadline to add a class is January 23, 2023. If you have any questions about course registration, please email your College of Engineering Academic Advisor (coe-gradadvising@northeastern.edu).

What if I change my mind about a class?

You can use the online registration system to drop any course. The deadline can be found on the [University's Academic Calendar](#).

Can I sign up for the V35 online section of a course?

V35 (online) sections are reserved for part-time students or those who are on co-op. Full-time students cannot enroll in these sections.

I received a "Prerequisite and Test Score" error, but I have already taken the prerequisite course at another institution.

Northeastern's system does not automatically recognize courses from other institutions. You will need to submit a [Registration Override Request](#) attaching verification that you have met the pre-requisite requirements for the course. Please list Abby Hegarty as "Program Contact."

I received a "College" error when registering for a CS or CY course.

ECE students need to request permission from Khoury College in order to take a CS or CY course using the [Khoury Elective Form](#).

Is it too late to change my concentration or track?

You have until the first day of classes to change your concentration or track (coursework or thesis) by emailing the COE Graduate Admissions Office (coe-gradadmissions@northeastern.edu).

Do I need to attend both the Graduate School of Engineering General Orientation and Program Orientation? What is the difference between these two orientations?

Yes! Please make sure to attend both the Graduate School of Engineering General Orientation and the Electrical and Computer Engineering Program Orientation sessions. These are two entirely different orientations and will provide you with very useful information that you need to have in order to perform well throughout your program. These sessions will provide you with an opportunity to ask questions and meet with your academic and co-op advisors and some of your fellow future classmates!

Do I need to register for the Introduction to Cooperative Education course?

Please note that registration for the Co-op course is not mandatory. This course is one of the requirements to become eligible for the Co-op Experience. Students interested in participating in a Co-op should plan to register for this course either in their first or second semester. You will have the opportunity to meet with a Co-op Advisor during your Program Orientation.

The ENCP 6100 course will be available in both Fall and Spring semesters. Please note that the CRNs (Course Reference Numbers) for the Co-op sections for Electrical and Computer Engineering MS students are 33748, 34277, and 38635 for Spring 2023. These sections can be found in the course registration system – please be sure to select “Engineering Cooperative Ed” in the subject field.

What should I do if my course is full?

Enrollments are always shifting as students get co-ops or change their course registrations. If a seat isn't available in your preferred class right away, you can add yourself to the [course waitlist](#) using the online registration system.

Will I get a bill by registering for courses?

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 refer to the [Billing & Payments](#) webpage of the Student Financial Services office.

What if I have questions regarding choosing courses or course registration?

You will have the opportunity to have your questions answered during or after your department orientation. Program course requirements are outlined in the [ECE Graduate Program Guide](#).

What if I have another question that is not answered here?

Please contact Abby Hegarty or save any additional questions for the Graduate School of Engineering General Orientation and Program Orientation sessions.

We look forward to welcoming you to the Graduate School of Engineering!