



Northeastern University

College of Engineering

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

As an incoming Fall 2024 student, there are steps you must 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 Peter Krafska (p.krafska@northeastern.edu)

Step 1: Confirm your Enrollment: Please confirm your enrollment at Northeastern University, as you cannot 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. Check your SPAM for a response.

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 chance to ask them any questions.

- Dr. Masoud Salehi (salehi@northeastern.edu) Associate Chair for Graduate Programs
- Peter Krafska (p.krafska@northeastern.edu) Assistant Director of Graduate Programs
- Dr. Rachel Walsh-Peterson (ra.walsh@northeastern.edu) Electrical and Computer Engineering Co-op Advisor
- Co-op Advising Team (ecegradcoop@northeastern.edu)

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. *Please Note: 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 to select the correct course.

CCSP (Communications, Control, and Signal Processing)

- EECE 5576 (CRN 19968): Wireless Communication Systems
- EECE 7204 (CRN 13345, 12020): Applied Probability and Stochastic Processes
- EECE 7200 (CRN 10518): Linear Systems Analysis
- EECE 5665 (CRN 19970): Signal Processing Global Navigation Satellite Systems

CSYS (Computer Systems and Software)

- EECE 7205 (CRN 19971, 15060): Fundamentals of Computer Engineering
- EECE 7352 (CRN 11647, 19978): Computer Architecture
- EECE 5552 (CRN 13130): Assistive Robotics
- EECE 5699 (CRN 15380): Computer Hardware and Systems Security

CNWS (Computer Networks and Security)

- EECE 7205 (CRN 19971, 15060): Fundamentals of Computer Engineering
- EECE 7204 (CRN 13345, 12020): Applied Probability and Stochastic Processes
- EECE 7374 (CRN 15384): Fundamentals of Computer Networks
- EECE 5155 (CRN 13888): Wireless Sensor Networks and the Internet of Things

CVLA (Computer Vision, Machine Learning, and Algorithms)

- EECE 7205 (CRN 19971, 15060): Fundamentals of Computer Engineering
- EECE 7204 (CRN 13345, 12020): Applied Probability and Stochastic Processes
- EECE 5644 (CRN 14522, 12066): Intro to Machine Learning and Pattern Recognition
- EECE 7352 (CRN 11647, 19978): Computer Architecture

HSMI (Hardware and Software for Machine Intelligence)

- EECE 7205 (CRN 19971, 15060): Fundamentals of Computer Engineering
- EECE 7204 (CRN 13345, 12020): Applied Probability and Stochastic Processes
- EECE 5644 (CRN 14522, 12066): Intro to Machine Learning and Pattern Recognition
- EECE 7352 (CRN 11657, 19978): Computer Architecture

ELPO (Electromagnetics, Plasma, and Optics)

- EECE 7293 (CRN 19974): Modern Imaging
- EECE 7202 (CRN 11220): Electromagnetic Theory 1
- EECE 5651 (CRN 17950): Introduction to Photonic Devices
- EECE 5170 (CRN 17176): Introduction to Multiferroics Materials and Systems

MSMD (Microsystems, Materials, and Devices)

- EECE 7245 (CRN 11636): Microwave Circuit Design for Wireless Communication
- EECE 7240 (CRN 19972): Analog Integrated Circuit Design
- EECE 7296 (CRN 15786): Electronic Materials
- EECE 7244 (CRN 13728): Intro to Microelectromechanical Systems

POWER (Power Systems)

- EECE 7200 (CRN 10518): Linear Systems Analysis
- EECE 5682 (CRN 15378): Power Systems Analysis
- EECE 7204 (CRN 13345, 12020): Applied Probability and Stochastic Processes
- EECE 5670 (CRN 17178): Sustainable Energy: Materials, Conversion, Storage and Usage

Frequently Asked Questions

How do I get a me.Northeastern account?

After you confirm your enrollment, you will be able to log in to your [me.Northeastern](#) portal. If you have not set up your me.Northeastern 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's [Registration Experience](#) page to learn how to search and register for courses using your me.Northeastern 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 can be found through the [University's Academic Calendar](#). If you have any questions about course registration, please email your College of Engineering Academic Advisor (coe-phd-gradadvising@northeastern.edu).

What if I change my mind about a class?

You can use the online registration system to add or drop any course during those deadline. The add and drop deadlines 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 and are approved to take a course. 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 prerequisite requirements for the course. Please list Professor Masoud Salehi as the "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](#).

Do I need to attend the Graduate School of Engineering General Orientation and Program Orientation? What is the difference between these two orientations? Yes! Please attend 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 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 sections below are for both PhD and MS students.

Dept.	CRN	Course	Section #	Meeting Pattern	Instructor
ECE	17538	ENCP 6100	40	T 11:45am-1:25pm	Walsh-Peterson, Rachel
ECE	13624	ENCP 6100	41	W 11:45am-1:25pm	Hodder, Cydney
ECE	13623	ENCP 6100	43	F 9:50am-11:30am	Walsh-Peterson, Rachel

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 are funded on a SGA, your tuition and NUSHP fees will be waived 6-8 weeks into the semester. You do not need to pay these. However, you are responsible to pay the other mandatory student fees. If you have questions about payment, please contact the Graduate School of Engineering at coe-phd-gradadvising@northeastern.edu or the [Student Financial Services office by submitting an inquiry](#).

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.

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

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

We look forward to welcoming you!

The Electrical and Computer Engineering Department