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

As an incoming Spring 2021 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 Dr. Vu Tran (vu.tran@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
- **Dr. Vu Tran** (vu.tran@northeastern.edu)
  Assistant Director of Graduate Programs
- **Dr. Rachel Walsh** (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 who will enter the U.S. this Spring need to register for at least 8 credits. 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.
CCSP (Communications, Control, and Signal Processing)
- EECE 5580: Classical Control Systems & EECE 7398: Special Topics: Introduction to Distributed Intelligence (For students interested in control)
- EECE 5576: Wireless Communication Systems & EECE 7398: Terahertz Communication (For students interested in communication)
- EECE 5666: Digital Signal Processing & EECE 5612: Statistical Inference (For students interested in Signal Processing)

CSYS (Computer Systems and Software)
- EECE 7205: Fundamentals of Computer Engineering
- EECE 7352: Computer Architecture
- EECE 7353: VLSI Design
- EECE 7390: Computer Hardware Security

CNWS (Computer Networks and Security)
- EECE 7374: Fundamentals of Computer Networks
- EECE 7398: Special Topics: Wireless Network Systems and Applications
- EECE 7398: Special Topics: Terahertz Communications
- EECE 7390: Computer Hardware Security

CVLA (Computer Vision, Machine Learning, and Algorithms)
- EECE 5612: Statistical Inference
- EECE 5644: Machine Learning and Pattern Recognition
- EECE 7205: Fundamentals of Computer Engineering
- EECE 7150: Autonomous Field Robotics

HSMI (Hardware and Software for Machine Intelligence)
- EECE 5612: Statistical Inference
- EECE 5644: Machine Learning and Pattern Recognition
- EECE 7205: Fundamentals of Computer Engineering
- EECE 7323: Numerical Optimization Methods
- EECE 7352: Computer Architecture

ELPO (Electromagnetics, Plasma, and Optics)
- EECE 5170: Introduction to Multiferroics
- EECE 7284: Optical Properties of Matter
- EECE 7275: Antennas and Radiation

MSMD (Microsystems, Materials, and Devices)
- EECE 5649: Design of Analog Integrated Circuits
- EECE 7201: Solid State Devices
- EECE 7353: VLSI Design
- EECE 7242: Integrated Circuits for Mixed Signals and Data Communication

POWR (Power Systems)
- EECE 5680 & EECE 5681: Electrics Drives & Lab
- EECE 5684 & EECE 5685: Power Electronics & Lab
- EECE 5580: Classical Control Systems
- EECE 7323: Numerical Optimization Methods
During the first two weeks of the semester, you will have the opportunity to make changes to your schedule without penalty.

**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’s 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. If you have any questions or difficulties with course registration, please email your Graduate School of Engineering Student Services Academic Advisor, gradstudentservices@coe.neu.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 are 34455 and 35309 for Spring 2021. 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 put your name down on a waitlist by emailing Dr. Vu Tran (vu.tran@northeastern.edu). Please provide Vu with your name, NUID number, email address, course number and CRN for the course you are interested in taking.

**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. Dr. Vu Tran will have standard drop-in hours throughout the semester.

**What if I have another question that is not answered here?**
Please contact Dr. Vu Tran 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!