Fall 2021 Course Registration Information for MS Robotics

Congratulations on your acceptance to the MS Robotics program at Northeastern University! At this time, we suggest that you register for Fall 2021 courses. Before registering, please make sure to read the instructions at the following link:

https://registrar.northeastern.edu/article/new-registration-experience/

**Enrollment Confirmation:** Please make sure to confirm your enrollment at Northeastern University by logging into your application account and paying the enrollment deposit. *You will not be able to register for classes until you confirm your enrollment.*

**Setting up your myNortheastern account:** After you confirm enrollment, you will be able to utilize your myNortheastern portal. If you have not yet set up this account, then please log in to your electronic application and look for instructions at this link:

https://app.applyyourself.com/AYApplicantLogin/fl_ApplicantConnectLogin.asp?id=neu-grad

**Fall 2021 courses are available to view at the following link:**

https://wl11gp.neu.edu/udcprod8/bwlkffcs.p Disp_dyn_sched

When searching for courses at the above link, please make sure to select “**Fall 2021 Semester**” for the term. Then, enter the appropriate subject code (see examples below), followed by selecting “**Graduate**” for course level.

Example subject codes:

- ME - Mechanical Engineering
- MEIE - Mechanical and Industrial Engineering
- EECE - Electrical and Computer Engineering
- CS - Computer Science
- IE - Industrial Engineering
- DS - Data Science

**Course Registration:** We advise full-time students to register for two courses and part-time students to register for at least one course. Please note that you can choose to register for any combination of your required core courses or elective during your first semester. For example, in your first term: you can either choose to take only required courses, only elective courses, or one required course and one elective course.

You will have the opportunity to meet with your Faculty Advisor (CS Robert Platt, ECE Hanumant Singh, ME Rifat Sipahi) during your program orientation. Please plan to meet with your Faculty Advisor after attending orientation to discuss your course selection for the first
semester. Also note that you will be able to change your course registration (add or drop courses) using the online system during the first two weeks of the semester.

We highly recommend exploring the MS Thesis or MS Project track for your degree program as well. However, at this time, we suggest that you do not register for MS Thesis or MS Project because you must discuss and seek the approval of your Faculty Advisor before you register for these courses.

The MS Robotics Course Catalog is available to view at the following link:

http://catalog.northeastern.edu/graduate/engineering/electrical-computer/robotics-ms/#programrequirementstext

The following is a 2-year course plan for your program suggested by the Faculty Advisor. Deviation from this plan is accepted upon consultation with your advisor.

**Computer Science:**

**Fall Entry:**
Year 1, Fall: ME 5250 (19436 [on-ground] or CRN 17943 [online]) and EECE 5550 (CRN 15185 [on-ground]) or CS 5180 (CRN 14682 [on-ground])
Year 1, Spring: ME 5659 and EECE 5554 or CS 5335
Year 2, Fall: Elective, Elective
Year 2, Spring: Elective, Elective

**Electrical Engineering:**

**Fall Entry:**
Year 1, Fall: EECE 5552 or ME 5250 (CRN 19436 [on-ground] or CRN 17943 [online])
Year 1, Spring: EECE 5554, and CS 5335 or ME 5659 (If you chose CS in the Fall you must take ME and vice versa)
Year 2, Fall: Elective, Elective
Year 2, Spring: Elective, Elective

**Mechanical Engineering:**

**Fall Entry:**
Year 1, Fall: ME 5250 (19436 [on-ground] or CRN 17943 [online]) and EECE 5550 (CRN 15185 [on-ground]) or CS 5180 (CRN 14682 [on-ground])
Year 1, Spring: CS 5335 or EECE 5554 (If you chose CS in the Fall you must take EECE and vice versa); Elective
Year 2, Fall: Elective, Elective
Year 2, Spring: Elective, Elective
Frequently Asked Questions

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

Please make sure to attend both. These are two entirely different orientations and will provide you with information you need in order to succeed. These sessions provide an opportunity not only to get your questions answered but also to meet with your academic and co-op advisors.

What if I was admitted as a Provisional or Conditional Student?

If page 2 of your Admission Letter states that you must fulfill additional requirements (such as “REQUIREMENTS: Student must take a course in Multivariate Calculus and a course in Linear Algebra before she/he is granted Regular Student status,”) then you must meet with your Faculty Advisor as soon as possible after orientation to determine your Plan of Study.

What if my course is full?

Enrollments are always shifting as students are allowed to change their registration. If a seat isn’t available in your preferred class right away, you can join the waitlist. To join a waitlist, enter the CRN (the 5 numbers in parentheses next to the course number) directly into your registration sheet and hit submit. You will then have an option to select “waitlist” from a drop-down menu. The waitlist system will automatically inform you when a seat opens up. When a seat opens up, you need to just log into your account and accept it within the 24-hour time limit. Also note that specific seats are reserved for incoming MS Robotics students. If a core course is marked as full, please speak with your departmental graduate coordinator.

Will I get a bill by registering for courses?

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 it. If you have questions about billing or payment, then please contact the Student Financial Services Office at studentaccounts@northeastern.edu. Please do not contact faculty members or the registrar’s office regarding billing or payment.

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

You will have the opportunity to meet with your Faculty Advisor, a Co-op Advisor, and an Academic Advisor during your department orientation. Please wait until you have attended the department orientation to get these questions answered.
Am I restricted to technical electives from my area (CS, ECE, ME)? In the orientation I heard that I can take electives from any of the areas but the wording on the Registrar’s site suggests otherwise.

We are an interdisciplinary program. You are allowed to take your electives from any of the three departments independent of the department in which you were admitted. The Registrar’s site is incorrect and will be amended shortly.

Can I take classes outside of the program’s list of electives and have them count towards my technical electives?

In general, the answer is NO. Robotics is a multidisciplinary field and we have given careful consideration to the list of electives. You can choose your electives from any of the three areas (CS, ECE, ME) independent of the area/college in which you are enrolled.

We do note that Robotics is expanding at Northeastern, so you will sometimes see a new course being offered in Robotics (for example, the course on Legged Robotics offered by Prof. Alireza Ramezani). You are welcome to take these courses as an elective. But please get it in writing from us that such a course is an acceptable elective BEFORE taking the class by submitting a Standard Petition form for an elective outside of your approved curriculum. You are of course also allowed to take other classes as you see fit but they may not be used to satisfy your degree requirements.

**Standard Petition Form:** [https://coe.northeastern.edu/academics-experiential-learning/graduate-school-of-engineering/graduate-student-services/graduate-forms/](https://coe.northeastern.edu/academics-experiential-learning/graduate-school-of-engineering/graduate-student-services/graduate-forms/)

I want to take the class ECE XXXX or ME XXXX and it is not letting me register because I do not have the prerequisites. What do I do?

I am a Graduate student who took the prerequisite class but not at Northeastern, how do I proceed?

In most cases, prerequisite overrides can only be approved by the instructor of the course, and a signed override form is required. For most 5000 level courses, the graduate student advisor can grant prerequisite overrides to students who can demonstrate that they have taken and passed an undergraduate level that satisfies the prerequisite requirement. If you need a prerequisite override, please submit an override form (see link below), and be sure to include your name, NUID, your Husky email address, the course number, and the CRN.

**Override form:** [https://coe.northeastern.edu/academics-experiential-learning/graduate-school-of-engineering/graduate-student-services/graduate-forms/](https://coe.northeastern.edu/academics-experiential-learning/graduate-school-of-engineering/graduate-student-services/graduate-forms/)

I heard that ECE has a course waitlist. How can I join?

You have the option to join a course’s waitlist when you encounter the “Reserve Closed”
error message or when a course is full. You can sign up for a waitlist on Banner after class registration has opened.

**How can I get into a CS or CY class as a COE student?**

At first glance, it appears that you have low priority in terms of getting into classes that are not in the college that you have been admitted to. MS Robotics is an interdisciplinary program, and we are aware of this issue. If you contact the administrative person corresponding to the department that you are trying to enroll in, they will try their best to accommodate you.

If you are interested in signing up for a CS or CY course and are in COE, please visit the link below for the Khoury College elective form. In addition, if you have questions, you can contact khoury-gradadministration@northeastern.edu.

If you are a CS-concentration MS Robotics candidate and experience issues enrolling in core courses in COE, please contact Vu Tran (ECE) or Jake Kearney (ME) respectively.

**Khoury College Elective Form:** [https://www.khoury.northeastern.edu/forms/elective-courses-for-graduate-students-outside-of-khoury/](https://www.khoury.northeastern.edu/forms/elective-courses-for-graduate-students-outside-of-khoury/)

**What are my options if core courses are full?**

Many students will encounter “Reserve Closed” errors while trying to enroll in various 5000-level ECE/CS/ME courses on Banner. If you’re wondering why this error is occurring, please know that these courses are split between graduates and undergraduates in terms of seating; a preset amount of seats are reserved for each group. In cases like this, the graduate seats have already been filled; you may still see available seats, but they are still reserved for undergrads for the time being. The same applies to some of our 7000-level courses, as a handful of those seats are being reserved for BS/MS students.

If you encounter this error, or if a class is otherwise full, in ECE you can sign up for the waitlist details of which are sent out to all graduate students during registration. Please note the following:

1. **No overrides for the Reserve Closed error will be given at this time** (and this goes for PhD students as well as MS students). As the semester draws closer, we may be able to give out overrides for students on the waitlists, but this will not happen right away. Please be patient.
2. **Please do not try to get on a waiting list before your registration time even begins – this is unfair to everyone else who is trying to register for courses.** When your registration time opens up, please try to register for the class as you normally would; you can contact Vu Tran (ECE), Kim Gubelman (CS), or Jake Kearney (ME) if you receive an error message, but not before.
3. **Your position on a waitlist does not guarantee that you will get into a course.** We do our best to get as many students as possible into our courses, but our department has to weigh multiple factors – program, concentration, whether or not a course is a requirement for a specific degree, and so on. Your place on the list is rarely the only factor. Please do not email asking for your position on a waitlist, as it usually doesn’t matter as much as you think it might.
If I have any questions, who do I reach out to?

There are departmental graduate coordinators who can support you through your programs who you can reach out to. These coordinators and their contacts are below:
- CS: Kim Gubelman k.gubelman@northeastern.edu
- ECE: Vu Tran vu.tran@northeastern.edu, Laura Whitmer l.whitmer@northeastern.edu
- ME: Jake Kearney j.kearney@northeastern.edu

We wish you all the best and look forward to working with you.

Sincerely,

The Robotics Program