

Fall 2025 Course Registration Information for MS Semiconductor Engineering

Congratulations on your acceptance to the MS Semiconductor Engineering program at Northeastern University! At this time, we suggest that you register for Fall 2025 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 Northeastern account: After you confirm enrollment, you will be able to utilize your Student Hub 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://enroll.northeastern.edu/apply/>

Fall 2025 courses are available to view at the following link:

https://nubanner.neu.edu/StudentRegistrationSsb/ssb/term/termSelection?mode=search#_ga=2.35966053.450569817.1598890547-1770687099.1597946638

When searching for courses at the above link, please make sure to select “**Fall 2025 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

MATL - Materials Engineering

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 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.

Information and Instruction for MS in Semiconductor Engineering Program:

The MS in Semiconductor Engineering (MS SCEN) aims to bridge the gap between cutting-edge research and practical applications. The Institute for NanoSystems Innovation (NanoSI) at Northeastern University is a world-leading global institute focused on semiconductor research, education, and entrepreneurship. NanoSI is at the forefront of semiconductors and NanoSystems research in the country, including next generation chip-scale electronics, sensors, RF-mmWave devices and systems, photonics, MEMS, packaging, heterogeneous integration, and micro/nano manufacturing. All these will be key components of the proposed program which will significantly enhance our research and programmatic capabilities.

1.1 MS SCEN Options

MS SCEN students may apply to one of two concentrations. Students who apply to the Materials and Manufacturing Concentration, please follow the requirements below. Students who apply to the [Devices and NanoSystems Concentration](#), please follow the link provided and connect with your Program Contacts for program requirements and expectations. Students who wish to change concentration must reapply [here](#).

Please use the following checklist for successful progress towards MS-SCEN in Materials and Manufacturing Concentration.

1. MS-SCEN students are required to complete 32 SH of coursework
2. Students must choose one of the following three options:
 - a. **Coursework Option:** requires students to complete 32 SH of Core, Concentration, and Restricted Electives following the checklist below.
 - i. Students are required to complete a minimum of 12 SH of Core Requirements from the approved [list](#).
 - ii. Students are required to complete 8 SH of Concentration courses from the approved [list](#).
 - iii. Students are required to complete 12 SH from the Restricted Elective Course [list](#).
 - b. **Master's Project Option:** requires students to complete at least 28 SH of Core, Concentration, and Restricted Elective courses following the checklist below and at least 4 SH in the form of the MS Project. Students are required to register for ME 7945 (or CHME 7945, or IE 7945) and complete the Masters project in one semester which ends with a written report and presentation of research.

- i. Students are required to complete a minimum of 12 SH of Core Requirements from the approved [list](#).
 - ii. Students are required to complete 8 SH of Concentration courses from the approved [list](#).
 - iii. Students are required to complete 8 SH from the Restricted Elective Course [list](#).
 - iv. Students are required to complete 4 SH of MS Project taken over the course of one semester. Registration in this course requires the approval of a faculty member. If a section of this course under the name of the approving faculty member does not exist, the student should complete an *ROR* to request the creation of a section. If there is a section in the schedule, the student can register after submitting and receiving the approval of an override form.
- c. **Master's Thesis Option:** requires students to complete at least 24 SH of Core, Concentration, and Restricted Elective courses following the checklist below and at least 4 SH in the form of the MS Project and 4 SH of MS Thesis. Students are required to register for ME 7945 (or CHME 7945, or IE 7945) and complete the Masters project in one semester which ends with a written report and presentation of research. In the following semester, the student is required to register for ME 7990 (or CHME 7990, or IE 7990) which ends with a written thesis and successful thesis defense.
- i. Students are required to complete a minimum of 12 SH of Core Requirements from the approved [list](#).
 - ii. Students are required to complete 8 SH of Concentration courses from the approved [list](#).
 - iii. Students are required to complete 4 SH from the Restricted Elective Course [list](#).
 - iv. Students are required to first complete 4 SH of MS Project followed by 4 SH of MS Thesis in a subsequent semester. Registration in this course requires the approval of a faculty member. If a section of this course under the name of the approving faculty member does not exist, the student should complete an *ROR* to request the creation of a section. If there is a section in the schedule, the student can register after submitting and receiving the approval of an override form.

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.

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](#). 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.

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

Sincerely,

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