**BU** College of Engineering

# Academic Advising Reference for Fall 2025
*also available at* http://www.bu.edu/eng/current-students/ugrad/advising/

**Pre-registration advising (CST faculty advisor access; CST student access)**
Students should update their **'Operative Plan'** in the Course Sequencing Tool (CST). Faculty advisors should review and approve through the CST, which triggers the release of the Advisor Assessment survey, which students should be encouraged to complete. NOTE – faculty should be aware that there are no advising codes in the new SIS. For more information on pre-registration advising, the CST, and waitlisted classes, visit the Advising and Registration page.

**Registration dates**: Rising Seniors: 4/6 at 9am; Juniors: 4/13 at 9am; Sophs: 4/27 at 9am.

**BU Hub** (contact Carole Dutchka)
**Non-transfer students** must complete the following 8 Hub requirements outside of their ENG coursework: PLM, AEX, HCO, IIC, GCI (x2), ETR and SO (I or II). Students will usually use the 4 Hub Electives for this purpose and should complete 2 distinct requirements from this list per Hub elective, (consult the course search tool for help selecting courses). **Advanced Placement classes will earn one Hub requirement at most. Students and faculty advisors need to pay close attention to the requirements earned to assist with future course selection. Transfer courses <u>do not</u> carry Hub requirements; students who fulfill curricular requirements outside of BU may become deficient in Hub requirements awarded by those BU classes.** See the course mapping sheet for more information.

**Transfer students who entered in Fall 2020 or later** complete a reduced set of Hub requirements.

**Writing Requirement:** All Undergraduates take CAS WR 120 and CAS WR 15x (WR 151, WR 152, or WR 153), or classes that offer the equivalent Hub units (FYW for WR 120 and WRI & RIL for WR 15x). WR 15x is a pre-req for senior design. ESL students may also have to take CAS WR 111 and/or CAS WR 112 prior to CAS WR 120, as determined by placement exams.

**Tuition overload waiver**:
ENG students who enroll in 19-20 credits a semester will have the associated fees waived if they are in good academic standing. Students who are not in good standing will be charged at the per credit rate. Seniors will always have the fees waived but are not encouraged to overload if on probation. In general, overloading is not recommended.

**Academic Status and Assistance** (contact Undergraduate Programs Office (UPO), engineer@bu.edu)
- Good Standing requires a 2.00 semester and cumulative GPA with a minimum of 12 *academic* credits completed (excludes PDP credits)
- Struggling students should seek support from the UPO - appointments available on Handshake.
- ENG Tutoring is offered in ERB 105 Mondays – Thursdays 5pm – 10pm, and Sundays 3pm-7pm on a drop-in basis. Online tutoring is also available. FREE.

**Study Abroad options and course scheduling** (contact Kat Mor)
- **Second semester sophomore year (recommended)**; seamless integration w/ ENG:
  - ENG Programs: Grenoble, France; Madrid, Spain, Sydney, Australia. Apply by 9/15 of sophomore yr.
  - Students take MA226, EK307 and a technical elective (options differ by location); all taught in English. Also required is a course about the host country.
  - In Madrid and Grenoble students take language class, in Australia an internship (does not count for degree). The specific hub units earned can be found via the links above.
- **Class planning for studying abroad in the sophomore year:**
  - <u>Students should not take MA226 or EK307 before going abroad or they will be ineligible to go.</u>
  - Students should complete PY212 and MA225 (pre-reqs for abroad classes) plus EK301 before going abroad. If MA225 has already been completed students should move on to EK381 or contact Kat for scheduling assistance.
  - Major specific notes:
    - CE: take EC330 in fall of sophomore or junior year.
    - ME: take both EK210 and ME357 by the end of fall of sophomore year; this may mean pushing a Hub Elective down to the senior year.
- **Junior year**, semester varies by location/major; direct enroll in courses at host site:

- ENG Programs: [Auckland](#), [Dublin](#), [Singapore](#), [Sydney](#). Apply by March 15 of sophomore year for fall, Sept. 15/Oct. 1 of Sophomore year for spring. Deadlines vary by location.
- Student must create program & identify courses (advanced approval required); more difficult to arrange than sophomore programs; requires significant student initiative. [Instructions available online.](#)

## [Minors](#) (contact [Undergraduate Records Office](#))

Require at least 5 courses (20 credits), some will require more. **At least 12 credits must be unique to the minor** (will add a min. of 12 credits to degree requirements). [Apply for a minor](#) online by May 1 of junior year.

- ENG Minors: Biomedical, Computer, Electrical, Mechanical, Materials Science & Eng, Systems Eng.
- Non-ENG Minors: available in CAS, CDS, CGS, CFA, COM, QST, SAR, WED.

## [Concentrations](#) (contact [Undergraduate Records Office](#))

Concentrations require 3 courses - which can usually be used to satisfy elective requirements for the major, and therefore do not require additional courses - and an experiential component (lab research, directed study, senior design project OR Co-Op/Internship). **At least one required concentration course must be completed before engaging an internship as an approved experiential component.** [Apply](#) no later than May 1 of junior year.

- Aerospace (Mechanical majors & minors; contact: [Ray Nagem](#))
- Energy Technologies (all ENG majors) (contact: [Uday Pal](#))
- Manufacturing (all ENG majors) (contact: [Jim Perkins](#))
- Nanotechnology (all ENG majors) (contact: [Joshua Kays](#))
- Robotics – (all ENG majors) (contact: [Roberto Tron](#))
- Technology Innovation (all ENG majors) (contact: [Tom Little](#))
- Machine Learning (all ENG majors) (contact [Hamid Nawab](#))

## [Special Programs](#) (contact [Carole Dutchka](#), unless otherwise stated)

- [Boston University Dual Degree Program](#) (ENG and non-ENG Degrees)
  - 3.00 GPA required; sophomore standing or first semester junior; effective fall 2024 minimum 160 credits required; student must work out details with both degree programs prior to acceptance.
  - Must complete requirements for **both** degrees before **either** degree will be awarded (or drop one)
- [Double Major within the College of Engineering](#) (1 ENG degree, 2 majors)
  - 3.00 GPA required; sophomore standing (32 credits); minimum 160 credits required.
  - Must complete requirements for **both** majors before degree will be awarded (or drop one major)
- [Early Admission to the Master's Programs](#) (contact [Christie Barone](#))
  - Opportunity for qualified seniors to apply for early admission to these graduate programs.
  - Students should apply in September for early admission; Master's degree can be completed in 1 yr or less.
- [Modular Medical/Dental Integrated Curriculum (MMEDIC)](#)
  - Second semester sophomore standing, BME only; 8-year program: 4yrs B.S., 4 yrs. MD BUSM
  - Introduces some pre-clinical subjects into the undergraduate program. Competitive.
- Pre-Med Requirements/[CAS Pre-Professional Advising](#)
  - CH 101 and CH 102 must be taken in the first year. CH 203 and CH 204 are taken in sophomore year (moving WR 15X and a Hub elective down in the schedule); both courses count as Professional Electives towards the BME degree. A biochemistry class is required and will usually be an extra course.

## [Accommodations:](#) (Contact [Disability and Access Services](#) 617-353-3658).

DAS can assist students who need access, accommodations, or deaf and hard of hearing services.

## [Career Development Office](#)

Assists students in finding co-op/internships and permanent employment. Offers resume critiques, cover letter help, mock interviews, career fairs and workshops. In addition to attending career fairs, students should:

- First-year: Get familiar with services; draft resumes.
- Sophomores: Revise resumes, plan for a summer research or internship.
- Juniors: Refine resume; explore grad school/employment options. Identify faculty for recommendations, prepare for GREs. Search for summer internships.
- Seniors: Apply to grad school/begin employment job search. Visit the CDO for mock interviews. Practice technically-based interview questions with professor/mentor.