Academic Advising Reference for Fall 2022
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 review and approve through the CST, triggering the release of the Advisor Assessment survey and advising code. 
Some students (generally those not on the Hub) cannot use the CST. These students should complete a Program Planning Sheet and review this with their faculty advisor; advisors should email engineer@bu.edu when the plan of study is approved. The student will receive the advisor evaluation, and their code when the evaluation is submitted. 

BU Hub (contact Carole Dutchka, caroled@bu.edu)

Non-transfer students in class years 2022-2025 must complete the following 8 Hub units 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 units from this list per Hub elective, (consult the course search tool for help selecting courses). Advanced Placement classes will earn one Hub unit at most. Students and faculty advisors need to pay close attention to the units earned to assist with future course selection. Transfer courses never carry Hub units, therefore students who fulfill curricular requirements outside of BU may become deficient in Hub units awarded by those 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. See here for details. Gen Ed requirements will continue as before the Hub for transfer students who entered prior to Fall ’20.

Writing Requirement: All Undergraduates take CAS WR 120 and CAS WR 15x (or classes that offer the equivalent Hub units – FYW for WR 120 and at least WRI & RIL for WR 15x). ESL students may also be required to take CAS WR 111 and/or CAS WR 112 prior to CAS WR 120, as determined by placement exams. Note that WR 150 is no longer offered as of Sp’22; students now choose between WR 151, WR 152, or WR 153.

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 credits completed.
• Struggling students should seek support from the UPO - appointments available on Handshake.
• ENG Tutoring is offered via Zoom Mondays – Thursdays 5pm – 11pm, and Sundays 7pm – 10pm. FREE

Tuition overload waiver: Engineering students who enroll for 19-20 credits for the Fall 2021 semester will have the associated fees waived if they meet either of the following requirements: Senior class standing OR Cumulative GPA of 3.00 or higher. Students who do not meet the criteria will be charged at the per credit rate.

Study Abroad options and course scheduling (contact Kat Mor)

• Second semester sophomore year (recommended); seamless integration w/ ENG:
  o ENG Programs: Madrid, Spain and Sydney, Australia. Apply by Oct 1 of sophomore year.
  o 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.
  o In Madrid students take Spanish language class, in Australia an internship (does not count for degree).
  o Students can earn up to 4 Hub units (3 in Sydney) including 2 x GCI (1 in Sydney), IIC and HCO.

• Class planning for studying abroad in the sophomore year:
  o Taking MA226 or EK307 at BU will make students ineligible for the sophomore abroad programs.
  o Students should complete PY212, EK301, MA225 and EK210 before going abroad. If MA225 has already been completed students should move on to EK381 or contact Kat for scheduling assistance.
    ▪ BME: follow the program planning sheet as it stands (taking EK301 at BU and EK307 abroad).
    ▪ CE: take EC 330 in fall of sophomore or junior year; take EK301 at BU and EK307 abroad.
    ▪ EE: follow the program planning sheet as it stands (taking EK301 at BU and EK307 abroad).
    ▪ 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. Take EK301 at BU and EK307 abroad.

• Junior year, semester varies by location/major; direct enroll in courses at host site:
  o ENG Programs: Dublin (fall only), Singapore, Sydney. Apply by March 15 of sophomore year for fall, Sept. 15/Oct. 1 of junior year for spring. Deadlines vary by location.
  o 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.

- 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 for a concentration** 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: Anna Thornton)
- Nanotechnology (all ENG majors) (contact: Keith Brown)
- Technology Innovation (all ENG majors) (contact: Ayse Coskun)
- Machine Learning (all ENG majors) (contact: Prakash Ishwar)
- Grand Challenge Scholars Program (all ENG majors) (contact: Ayse Coskun)

Special Programs (contact Ruth Elias, unless otherwise stated)

- **Boston University Dual Degree Program** (ENG and non-ENG Degrees)
  - 3.00 GPA required; sophomore standing or first semester junior; minimum 144 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 a degree will be awarded (or drop one)
- **Early Admission to the Master’s Programs** (contact Kirstie Miller)
  - Opportunity for qualified seniors to apply for early admission to these graduate programs.
  - Master’s degree can be completed in one year or less.
  - Students should apply in September for early admission.
- **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; non-admitted students can still pursue traditional Medical School application.
- **Pre-Med Requirements/CAS Pre-Professional Advising**
  - CH 101 and CH 102 must be taken in freshman 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 (DAS), 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. Students should:

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

for Fall 2022