



Notes

- Grey box = either semester
- —> = prerequisite; - - -> = corequisite
- Students planning to **study abroad** sophomore 2 should take EK 301 in sophomore 1.
- Many courses are offered every semester – order can be rearranged as long as prereqs fulfilled.
- Students must complete 48 units of upper-division program coursework (not including Hub or writing).
- See back for Hub Requirements Legend

Hub Electives: must include all Hub requirements below to fulfill degree requirements:

- 1. Philosophical Inquiry & Life’s Meanings (PLM)
 - 2. Aesthetic Exploration (AEX)
 - 3. Historical Consciousness (HCO)
 - 4. Social Inquiry (SO1 or SO2)
 - 5. Individual & Community (IIC)
 - 6. First Global Citizenship & Intercultural Literacy (GCI)
 - 7. Second Global Citizenship & Intercultural Literacy (GCI)
 - 8. Ethical Reasoning (ETR)
- Total of at least 16 units

REQUIREMENTS

Mechanical Engineering (ME) majors are required to complete a minimum of 135 units as detailed on the Program Planning Sheet on the other side of this page.

HUB ELECTIVES

All students are required to complete a total of 26 Hub requirements. Eighteen of these Hub requirements are incorporated into courses required for the ME BS degree. The remaining eight Hub requirements must be satisfied through four (or more) Hub Electives that incorporate the following seven Hub areas: Philosophical Inquiry; Aesthetic Exploration; Historical Consciousness; Social Inquiry; Individual in Community; Ethical Reasoning; Global Citizenship & Intercultural Literacy (2X). Search for courses that fulfill specific combinations of Hub requirements at: <https://www.bu.edu/phpbin/course-search/>

ADVANCED ELECTIVES ME majors complete four Advanced Elective courses (16 units). Acceptable courses include all engineering (ENG) courses 300 level or above, including ENG ME 452 and ENG ME 457, as long as there is not significant overlap with other courses being used for the degree (See Notes below). A minimum of 2 engineering (ENG) courses at or above the 300 level are required.

The following courses are also acceptable:

CAS AS 414 Solar and Space Physics
 CAS PY 313 Waves and Modern Physics
 CAS PY 314 Waves and Modern Physics (Grenoble)
 CAS PY 321 & 322 Thermal Physics (2 units) & Quantum Physics (2 units) (Madrid)
 ENG BE 209 Principles of Molecular Cell Biology and Biotechnology
 HUB XC 433 D1 The Art and Science of Technology Consulting (F24 & Sp25)
 HUB CC 433 The Art and Sci of Tech Consulting
 QST SI 480 The Business of Technology Innovation
 QST SI 482 Technology and its Commercialization

Additionally other 300-level or above Mathematics and Natural Science courses may be acceptable by petition.

Hub Requirements Legend:

QR1 = Quantitative Reasoning 1
 QR2 = Quantitative Reasoning 2
 SI1 = Scientific Reasoning 1
 SI2 = Scientific Reasoning 2
 FYW = First-Year Writing Seminar

WRI = Writing, Research & Inquiry
 WIN = Writing-Intensive Course
 OSC = Oral and/or Signed Communication
 DME = Digital/Multimedia Expression
 CRT = Critical Thinking

RIL = Research and Information Literacy
 TWC = Teamwork/Collaboration
 CRI = Creativity/Innovation

Notes:

- a) Any requirement satisfied via AP/IB earns a **maximum of one Hub requirement** and students may need to replace missing Hub requirements.
- b) Any requirement satisfied via transfer earns **zero Hub requirements** and students may need to replace missing Hub requirements.
- c) For each of the following sets of courses, only **one** course can be taken for credit in each set due to the overlap of material:
 - (1) ENG ME 403, ENG ME 404, ENG EC 402, ENG BE 404
 - (2) ENG ME 303, ENG BE 436
 - (3) ENG ME 306, ENG BE 425
 - (4) ENG EK 103, CAS MA 242
 - (5) ENG BE 403, ENG EC 401
 - (6) ENG EK 381, CAS MA 381
 - (7) ENG BE 428, ENG BE 478
 - (8) CAS PY 313, CAS PY 314, CAS PY321 & 322