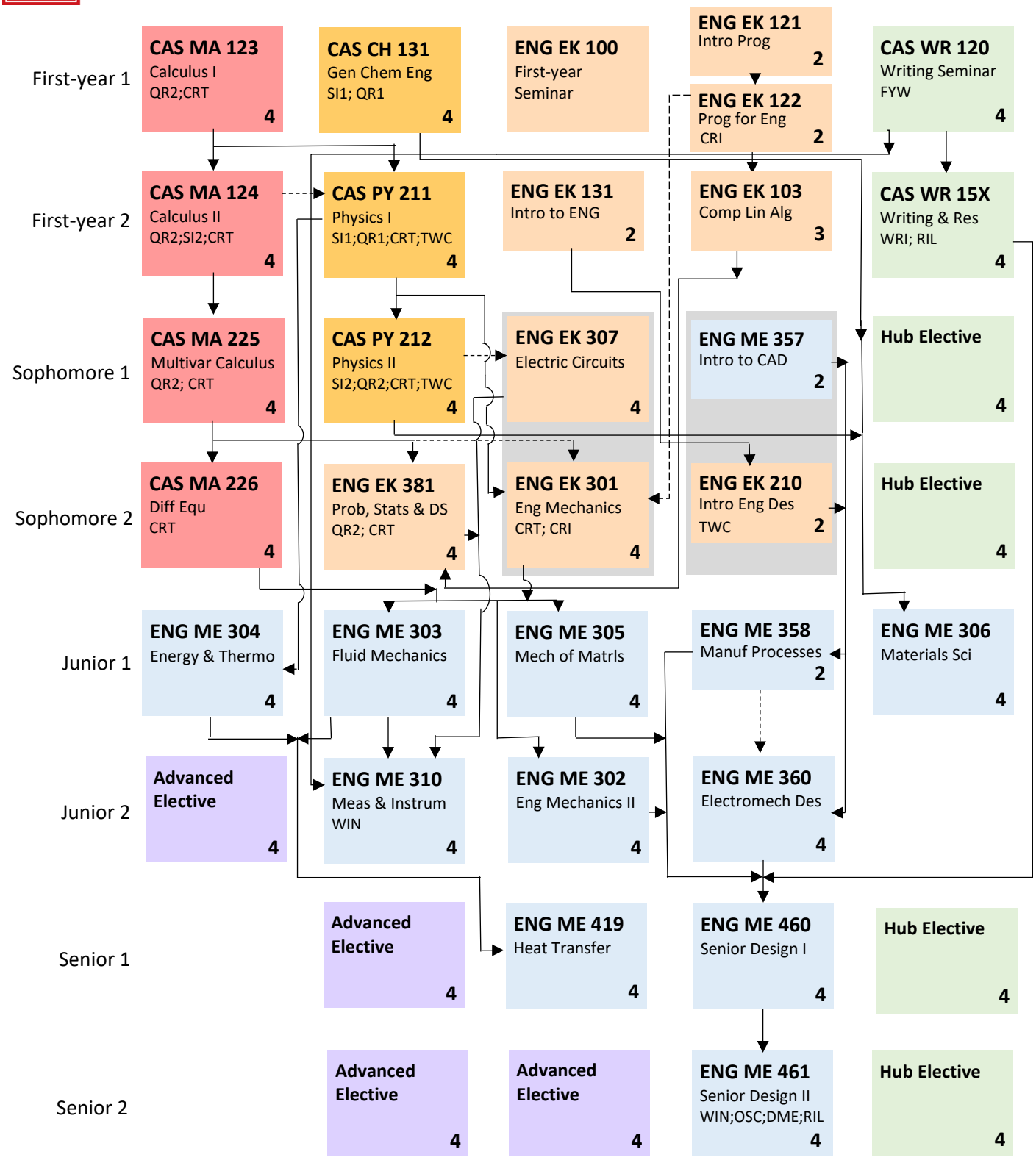
# College of Engineering — Mechanical Engineering – Class of 2028 (135 credits)




**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 credits of upper-division program coursework (not including Hub or writing).
- See back for Hub Unit 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 credits

6/10/2024

## REQUIREMENTS

Mechanical Engineering (ME) majors are required to complete a minimum of 135 credits 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 credits). Acceptable courses include all engineering (ENG) courses 300 level or above except ENG EK 409, but 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 313/314 – Waves and Modern Physics
CAS PY 321 & 322 – Thermal Physics (2 cr) & Quantum Physics (2 cr)
ENG BE 209 – Principles of Molecular Cell Biology and Biotechnology
HUB XC 433 D1 – The Art and Science of Technology 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 Unit 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 142, CAS MA 242
(5) ENG BE 403, ENG EC 401
(6) ENG EK 381, CAS MA 381, CAS MA 581