**Notes**
- Students planning to study abroad sophomore 2 should take EK 301 in sophomore 1.
- Students who have successfully completed or who have AP credit for both CAS CH 101 and CAS CH 102 have satisfied the Chemistry and Natural Science Elective requirements.
- Grey box = either semester
- Students must complete 48 credits of upper-division program coursework (not including social science/humanities or writing).

**General Education Electives Checklist**
- 1. CAS WR 100
- 2. CAS WR 150
- 3. One Social Science course
- 4. One Humanities course
- 5. One Social Science or Humanities course
- 6. One General Education elective course
- 7. Total of at least 24 credits
**MECHANICAL ENGINEERING**

**REQUIREMENTS**

Mechanical Engineering majors are required to complete a minimum of 136 credits as detailed on the Program Planning Sheet on the other side of this form.

**GENERAL EDUCATION COURSES**

For a list of specific courses that satisfy the Social Science, Humanities, and the General Education Elective, please go to the College of Engineering Undergraduate Requirements website at: [http://www.bu.edu/eng/current-students/ugrad/requirements/](http://www.bu.edu/eng/current-students/ugrad/requirements/).

**NATURAL SCIENCE ELECTIVE**

The Natural Science Elective for Mechanical Engineering majors can be satisfied by:

- ENG BE 209 – Principles of Molecular Cell Biology & Biotechnology
- Astronomy (AS) - Any 200-level or higher course or any 100-level course that includes a lab
- Biology (BI) - Any 200-level or higher course or any 100-level course that includes a lab
- Neuroscience (NE) - All
- Chemistry (CH) - Any 200-level or higher course
- Physics (PY) - Any 300-level or higher course, CAS PY 231 - The Physics in Music
- Earth Science (ES) - Any 300-level or higher course. Also the following:
  - CAS ES 101 – Dynamic Earth
  - CAS ES 105 – Environmental Earth Sciences
  - CAS ES 140 – Earthquakes, Volcanoes, Natural Disasters

**ADVANCED ELECTIVES**

Mechanical Engineering majors complete 4 Advanced Elective courses. 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). Acceptable courses outside of ENG include:

- CAS AS 414 – Solar and Space Physics
- 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.

**Notes:**

For the following sets of courses, only 1 course can be taken for credit in each set due to the overlap of material:

1. ENG ME 403, ENG ME 404, ENG BE 402, ENG EC 402
2. ENG ME 303, ENG BE 436
3. ENG ME 441, ENG ME 515
4. ENG ME 501, ENG EC 501
5. ENG KE 102, ENG KE 103, CAS MA 142, CAS MA 242
6. ENG BE 401, ENG EC 401
7. ENG ME 366, ENG EC 381, ENG BE 200, ENG KE 381
8. ENG ME 460, ENG ME 560

4/17/18