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

Notes
- Grey box = either semester
- = prerequisite; = corequisite
- Students planning to study abroad sophomore 2 should take EK 301 in sophomore 1.
- ME 358 can substitute for EK 156
- Students who have successfully completed or who have AP credit for both CAS CH 101 and CAS CH102 have satisfied the Chemistry and Natural Science Elective requirements.
- 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 social science/humanities or writing).
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 page.

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

NATURAL SCIENCE ELECTIVES
Mechanical Engineering majors complete one Natural Science Elective from the following list:

**Anthropology (AN):**  
CAS AN 102 Human Biology, Behavior, and Evolution

**Astronomy (AS):**  
CAS AS 101 The Solar System
CAS AS 102 The Astronomical Universe
CAS AS 202 Principles of Astronomy I
CAS AS 203 Principles of Astronomy II

**Biology (BI):**  
CAS BI 105 Introductory Bio for Health Sciences
CAS BI 106 Human Anatomy
CAS BI 107 Biology I
CAS BI 108 Biology II
CAS BI 114 Human Infectious Disease: AIDS to Tuberculosis

**Biomedical Engineering (BE):**  
ENG BE 209 Principles of Molecular Cell Biology & Biotechnology

**Chemistry (CH):**  
Any 200-level or higher course with a lab

**Earth & Environment (ES/GE):**  
CAS ES 105 Environmental Earth Sciences
CAS ES 107 Introduction to Climate and Earth System Science
CAS GE 101 Natural Environments: The Atmosphere

**Physics (PY):**  
CAS PY 231 The Physics In Music
CAS PY 313 Waves & Modern Physics

Additionally, other 300-level or higher courses from the following programs may be acceptable by petition: BI, CH, PY, ES, GE, NE, and AS.

ADVANCED ELECTIVES
Mechanical Engineering majors complete four Advanced Elective courses (16 credits).

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 & Space Physics
QST SI 480 The Business of Technology Innovation
QST SI 482 Technology and its Commercialization

Additionally, other 300-level or higher courses from the following programs may be acceptable by petition: MA, BI, CH, PY, ES, GE, NE, and AS.

Notes:
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 BE 402*, ENG EC 402, ENG BE 404
2. ENG ME 303, ENG BE 436
3. ENG ME 102*, ENG ME 103, CAS MA 142, CAS MA 242
4. ENG BE 401*, ENG BE 403, ENG EC 401
5. ENG ME 366, ENG EC 381*, ENG ME 381, ENG BE 200*
6. ENG ME 460, ENG ME 560
7. ENG ME 156*, ENG ME 358
8. ENG ME 357, ENG ME 359*

*indicates course no longer offered.