REQUIREMENTS
Students majoring in Electrical Engineering are required to complete a minimum of 130 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/.

ELECTRONICS ELECTIVES
- ENG EC 412 Analog Electronics
- ENG EC 417 Electric Energy Systems
- ENG EC 450 Microprocessors
- ENG EC 470 Sensors in Space

ELECTROPHYSICS ELECTIVES
- ENG EC 417 Electric Energy Systems
- ENG EC 456 Electromagnetic Systems II
- ENG EC 470 Sensors in Space
- ENG EC 471 Physics of Semiconductor Devices

TECHNICAL ELECTIVES
Electrical Engineering majors complete 3 Technical Elective courses. Acceptable courses include all EC courses (except 600-level) and ENG BE 209. Additionally, all ENG, BE, EK and ME courses at the 300-level and above, except for 600-level courses are acceptable as Technical Electives.

Pre-Approved Courses Outside Engineering that fulfill a Technical Elective:
- CAS AS 414 Solar and Space Physics
- CAS CS 440 Intro to Artificial Intelligence
- CAS CS 480 Intro to Computer Graphics
- CAS CS 585 Image and Video Computing
- CAS MA 511 Introduction to Analysis I
- CAS MA 528 Intro to Modern Geometry
- CAS MA 531 Computability and Logic
- CAS MA 541 Modern Algebra 1
- CAS MA 583 Intro to Stochastic Processes
- CAS PY 451 Quantum Physics 1
- CAS PY 452 Quantum Physics 2
- QST SI 480 Business of Technology Innovation
- QST SI 482 Technology Commercialization

DEGREE ENHANCEMENTS

CONCENTRATIONS
Students may choose to add a Concentration in Energy Technologies, Nanotechnology, or Technology Innovation. Students completing a Minor in Mechanical Engineering may choose to add a concentration in Aerospace Engineering. A concentration requires 4 courses which can usually be used to satisfy courses within the major. Hence, a concentration can usually be completed without additional coursework. More information on concentrations and the specific requirements for each can be found at http://www.bu.edu/eng/academics/programs/concentrations/.

*Electrophysics: EC 500 F1 can not substitute EK 481(exc. Nanotech Concentration)

MINORS
Students may choose to add a minor in any one of the other departments or divisions (Materials Science & Engineering or Systems Engineering) within the College of Engineering. A minor consists of 5 courses, 2 of which may also be used to satisfy requirements for the major. Completing a Minor will add a minimum of 12 credits to the total credits for the degree. More information on minors and the specific requirements for each can at http://www.bu.edu/eng/academics/programs/minors/. Students may also pursue minors in other Colleges at Boston University. For more information, please contact the College of the minor.

DOUBLE MAJORS
Students may earn two engineering BS degrees. Double majors require a minimum of 162 credits and students must fulfill the requirements for each of the degree programs. See http://www.bu.edu/eng/academics/special-programs/ for more details.

OTHER WAYS TO ENHANCE YOUR DEGREE
Students have several additional options available to them including study abroad, research, and co-op/internship opportunities. For more information on these programs, please visit the College of Engineering Undergraduate website: http://www.bu.edu/eng/academics/.

Notes:
For the following 8 sets of courses, only 1 course can be taken for credit in each set due to the overlap of material:
(1) ENG ME 305, ENG BE 420
(2) ENG ME 403, ENG ME 404, ENG BE 402, ENG EC 402
(3) ENG ME 303, ENG BE 436
(4) ENG ME 441, ENG ME 515
(5) ENG ME 501, ENG EC 501
(6) ENG EK 102, CAS MA 142, CAS MA 242
(7) ENG BE 401, ENG EC 401
(8) ENG ME 366, ENG EC 381, ENG BE 200, ENG EK 500