Notes
- Students planning to study abroad sophomore 2 should take EK 301 in sophomore 1.
- Grey box = either semester
- Students must complete 48 credits of upper-division program coursework (not including Hub or writing).

Hub Electives: must include all Hub areas below to fulfill degree requirements
☐ 1. One unit Philosophical Inquiry & Life’s Meanings
☐ 2. One unit Aesthetic Exploration
☐ 3. One unit Historical Consciousness
☐ 4. One unit Social Inquiry
☐ 5. One unit Individual & Community
☐ 6. First unit Global Citizenship & Intercultural Literacy
☐ 7. Second unit Global Citizenship & Intercultural Literacy
☐ 8. One unit Ethical Reasoning
☐ Total of at least 16 credits
REQUIREMENTS

Students majoring in Computer Engineering are required to complete a minimum of 133 credits as detailed on the Program Planning Sheet on the other side of this form.

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

CORE ELECTIVE

Computer Engineering majors complete 2 Core Electives from the following list:

ENG EC 401 Signals and Systems
ENG EC 410 Introduction to Electronics
ENG EC 440 Introduction to Operating Systems
ENG EC 444 Introduction to Computer Networking
ENG EC 445 Smart and Connected Systems
ENG EC 450 Microprocessors

COMPUTER ENGINEERING ELECTIVE

Computer Engineering majors complete 2 Computer Engineering Electives from the following list:

ENG EC 440 Introduction to Operating Systems
ENG EC 444 Introduction to Computer Networking
ENG EC 445 Smart and Connected Systems
ENG EC 446 Software Design
ENG EC 450 Advanced Data Structures
ENG EC 512 Enterprise Client-Server Software Systems
ENG EC 513 Computer Architecture

EE BREADTH ELECTIVE

Computer Engineering majors complete 1 EE Breadth Elective course from the following list:

ENG EC 401 Signals and Systems
ENG EC 402 Control Systems
ENG EC 410 Intro to Electronics
ENG EC 412 Analog Electronics
ENG EC 414 Machine Learning
ENG EC 415 Communication Systems
ENG EC 416 Intro to Signal Processing
ENG EC 417 Electric Energy Systems
ENG EC 455 Electromagnetic Systems I
ENG EC 456 Electromagnetic Systems II
ENG EC 457 Physics of Semiconductor Devices
ENG EC 458 Physics of Nanotechnology
ENG EC 459 Intro to Nanotechnology

TECHNICAL ELECTIVES (see Notes below)

Computer Engineering majors complete 3 Technical Elective courses:

ENG BE 209 and any ENG EC, BE, EK or ME course at the 300-level or 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 MA 528 Introduction to Modern Geometry | CAS PY 451 Quantum Physics 1 |
| CAS CS 440 Intro to Artificial Intelligence | CAS MA 531 Computability and Logic | CAS PY 452 Quantum Physics 2 |
| CAS CS 480 Introduction to Computer Graphics | CAS MA 541 Modern Algebra 1 | QST SI 480 The Business of Technology Innovation |
| CAS CS 585 Image and Video Computing | CAS MA 583 Introduction to Stochastic Processes | QST SI 482 Technology and its Commercialization |
| CAS MA 511 Introduction to Analysis I | CAS PY 313 Waves and Modern Physics | |

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 EC 102, ENG EC 103, CAS MA 142, CAS MA 242
6. ENG BE 401, ENG BE 403, ENG EC 401
7. ENG ME 366, ENG EC 381, ENG EC 381, ENG BE 200
8. ENG ME 460, ENG ME 560

10/10/18