REQUIREMENTS
Computer Engineering majors are required to complete a minimum of 133 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 units. Eighteen of these Hub units are included in courses required for the CE BS degree. The remaining eight Hub units 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). Lists of courses that fulfill combinations of these Hub units are at: www.bu.edu/eng/current-students/ugrad/requirements/hub-electives/

CORE ELECTIVE
Computer Engineering majors complete two Core Electives from the following list:
- ENG EC 401 Signals and Systems
- ENG EC 410 Introduction to Electronics

COMPUTER ENGINEERING ELECTIVE
Computer Engineering majors complete two Computer Eng Elective courses (8 credits) from the following list:
- ENG EC 440 Introduction to Operating Systems
- ENG EC 441 Intro to Computer Networking
- ENG EC 444 Smart & Connected Systems
- ENG EC 447 Software Design
- ENG EC 504 Advanced Data Structures
- ENG EC 512 Enterp Client-Server Softwr Sys Des
- ENG EC 513 Computer Architecture
- ENG EC 521 CyberSecurity
- ENG EC 526 Parallel Prog for High Perf & Big Data
- ENG EC 527 High Perf Prog w/ Multicore & GPUs
- ENG EC 528 Cloud Computing
- ENG EC 530, Software Engineering Principles

EE BREADTH ELECTIVE
Computer Engineering majors complete one EE Breadth Elective course from the following list:
- ENG EC 401 Signals and Systems
- ENG EC 410 Intro to Electronics
- ENG EC 412 Analog Electronics
- ENG EC 414 Machine Learning
- ENG EC 415 Software Radios
- ENG EC 417 Electric Energy Systems
- ENG EC 455 Electromagnetic Systems I
- ENG EC 456 Electromagnetic Systems II
- ENG EC 471 Physics of Semiconductor Devices
- ENG EC 501 Dynamic System Theory
- ENG EC 503 Introduction to Learning from Data
- ENG EC 505 Stochastic Processes
- ENG EC 508 Wireless Communication
- ENG EC 515 Digital Communication

TECHNICAL ELECTIVES
(see Notes below) Computer Engineering majors complete three Technical Elective courses (12 credits):

Any course listed as Computer Engineering Elective
ENG BE 209 and any ENG EC, BE, UK or ME course at the 300-level or above, except for 600-level courses, are acceptable as Technical Electives; no more than 4 credits of ENG EC 451 can be used.

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 Introduction to Computer Graphics
- CAS CS 585 Image and Video Computing
- CAS MA 511 Introduction to Analysis

Hub Unit Legend:
- QR1 = Quantitative Reasoning 1
- QR2 = Quantitative Reasoning 2
- SI1 = Scientific Reasoning 1
- SI2 = Scientific Reasoning 2
- FYW = First-Year Writing Seminar

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 EC 402, ENG BE 404
2. ENG ME 303, ENG BE 436
3. ENG EK 103, CAS MA 142, CAS MA 242
4. ENG BE 403, ENG EC 401
5. ENG ME 366*, ENG EK 381, CAS MA 381, CAS MA 581
6. ENG ME 460, ENG ME 560

*indicates course no longer offered.