**Undergraduate Program Planning Sheet**

**Computer Engineering – 2018**

**FRESHMAN 1**
- CAS MA 123 Calculus I (4)
- CAS CH 131 Principles of General Chemistry (4)
- ENG EK 100 Freshman Seminar (0)
- ENG EK 127/128 Engineering Computation/++ (4)
- CAS WR 100 Writing Seminar (4)

**FRESHMAN 2**
- CAS MA 124 Calculus II (4)
- CAS PY 211 Physics I (4)
- ENG EK 102 Intro to Engineering Mechanics I (4)
- ENG EK 131/132 Intro to ENG (2)
- CAS WR 150 Writing & Research Seminar (4)

**SOPHOMORE 1**
- CAS MA 225 Multivariate Calculus (4)
- CAS PY 212 Physics II (4)
- ENG EK 307 Electric Circuits (4)
- ENG EK 301 * Engineering Mechanics I (4)
- ENG EC 327 Intro to Software Engineering (4)

**SOPHOMORE 2**
- CAS MA 226 Differential Equations (4)
- ENG EC 311 Introduction to Logic Design (4)
- ENG EC 301 Intro to Discrete Math (2)
- ENG EC 300 Applied Algorithm for Engineers (4)
- CAS MA 193 Social Science Elective (4)

**JUNIOR 1**
- ENG EC 381 Probability Theory in ECE (4)
- ENG EC 413 Computer Organization (4)
- Track Elective ENG EC 401, 410, or 440 (4)
- CAS MA 193 Social Science Elective (4)
- Computer Engineering Elective (4)

**JUNIOR 2**
- EE Breadth Elective: Any ECE course 400 level or above not a CE Elective (4)
- Computer Engineering Elective (4)
- ENG EC 450 Microprocessors (4)
- Humanities Elective (4)

**SENIOR 1**
- ENG EC 463 Senior Design Project I (4) [Fall Only]
- Computer Engineering Elective (4)
- Technical Elective (4)
- Social Science/Economics (4)
- General Education Elective (4)

**SENIOR 2**
- ENG EC 464 Senior Design Project II (4) [Spring Only]
- Technical Elective (4)
- Technical Elective (4)
- General Education Elective (4)

**Extra Courses**

- Prereq. =
- Coreq. =

* Students who plan to study abroad in Sophomore 2 should take EK 301 in Sophomore 1

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**General Education Requirements Checklist**
- 1. CAS WR 100
- 2. CAS WR 150
- 3. 1 Course in Social Science
- 4. 1 Course in Humanities
- 5. 1 Course SS or HUM
- 6. 1 Course General Education Elective
- 7. Total of at least 24 credits

**ENG Credit Requirement**: 48 credits/Upper Division Program courses completed at Boston University
ENGINEERING UNDERGRADUATE REQUIREMENTS website at: http://www.bu.edu/eng/current-students/ugrad/requirements/

ENG EC 512   Enterprise Client-Server Softwr Sys Des
ENG EC 504   Advanced Data Structures
ENG EC 447   Software Design
ENG EC 441   Introduction to Computer Networking

For the following 8 sets of courses, only 1 course can be taken for credit in each set due to the overlap of material:

Notes:

OTHER WAYS TO ENHANCE YOUR DEGREE

DOUBLE MAJORS
Students may earn two engineering BS degrees. Double majors require a minimum of 168 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

05/12/17