Computer Engineering 2016-18 Advising Checklist
Semester Units: 120   Core Units: 95

Lower Division Core (20)
- _____ ECE/ENGR 1618 – Introduction to Engineering I (2)
- _____ ECE/ENGR 1628 – Introduction to Engineering II (2)
- _____ CMPS 2010 – Programming I: Programming Fundamentals (4) (grade of C- or better)
- _____ CMPS 2020 – Programming II: Data Structures and Algorithms (4) (grade of C- or better)
- _____ CMPS 2120 – Discrete Structures (4)
- _____ ECE/ENGR/PHYS 2070 – Electric Circuits (4)

Upper Division Core (32)
- _____ CMPS 3240 – Computer Architecture II: Organization (4)
- _____ CMPS 3600 – Operating Systems (4)
- _____ ECE 3040 – Signals and Systems (4)
- _____ ECE 3070 – Analog Circuits (4)
- _____ ECE 3200 – Digital Circuits (4)
- _____ ECE 3220 – Digital Design with VHDL (4)
- _____ ECE 3250 – Embedded Systems (4)
- _____ ECE 4910 – Senior Project I (2)
- _____ ECE 4928 – Senior Project II (2)

Upper Division Electives (select 3 courses) (12)
Choose from ECE 3230, 3280, 4220, 4240, 4250, 4260, 4460, 4470, 4570
Up to 4 units of ECE 377x, 477x, 4800, 4860, 4870, 4890 may also be used for elective credit

- _____
- _____
- _____

Cognate Requirements (31)
- _____ MATH 2310 or 2510 – Calculus I (4) (grade of C- or better)
- _____ MATH 2320 or 2520 – Calculus II (4) (grade of C- or better)
- _____ MATH 2530 – Calculus III (4)
- _____ MATH 2610 – Linear Algebra (4)
- _____ MATH 3200 – Probability Theory (4)
- _____ PHYS 2210 – Classical Physics I (4) (grade of C- or better)
- _____ PHYS 2220 – Classical Physics II (4) (grade of C- or better)
- _____ PHIL 3318 – Professional Ethics (3)

Additional Units (any university units) (0-1)
- _____

General Education and University Requirements (24-30)
- First Year Seminar – Satisfied by ECE/ENGR 1618 and 1628
- _____ A1 – COMM 1008 (3) (grade of C or better)
- _____ A2 – ENGL 1109 (3) (grade of C or better)
- A3 – Waived for Computer Engineering majors
- A4 – Satisfied by MATH 2310 or 2510 (or higher) with grade of C or better
- B1/B3 – Satisfied by PHYS 2210
- B2/B3 – Waived for Computer Engineering majors
- _____ C1 – Arts (3)
- _____ C2 – Humanities (3)
- _____ US History for American Institutions (AI) requirement (3)
- _____ Government for AI requirement – Recommend PLSI 1018 (3)
- _____ Area D (1st course) – Recommend ECON 2018 or 2028 (3) (Economics is part of FE exam)
- Area D (2nd course) – 3 units waived for Computer Engineering majors
- _____ SELF – Recommend taking course that double-counts for another GE requirement (0-3)
- _____ Junior Year Diversity Reflection (JYDR) (3)
- UD Area B – Not required for NSME majors
- UD Area C – Satisfied by PHIL 3318
- UD Area D – Waived for Computer Engineering majors
- Capstone – Satisfied by ECE 4928
- _____ GWAR – Pass exam or get C or better in course (0-3)