Computer Engineering 2016-18 Catalog Advising Checklist	Name:
Semester Units: 120 Core Units: 95	ID #:

Lower Division Core (20)

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

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) – At least one course must be at 4000-level
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

_____ ECE
_____ ECE
_____ ECE

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 2530/2533 (or 2330* or both 2531+2532*) - 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)

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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) (Econ is part of FE exam)
Area D (2nd course) - 3 units waived for Computer Engineering majors
SELF - Recommend 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)

Advising Notes:

* Note: Subwaiver needed for using MATH 2330 or both 2531+2532 instead of MATH 2530/2533. See department chair for form.