

Electrical Engineering 2016-18 Catalog Advising Checklist

Semester Units: 120

Core Units: 87

Name: _____

ID #: _____

Lower Division Core (12)

- _____ 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)
- _____ ECE/ENGR/PHYS 2070 - Electric Circuits (4) (grade of C- or better)

Upper Division Core (32)

- _____ ECE 3040 - Signals and Systems (4)
- _____ ECE 3070 - Analog Circuits (4)
- _____ ECE 3200 - Digital Circuits (4)
- _____ ECE 3230 - Digital Communications (4)
- _____ ECE 3320 - Fields and Waves (4)
- _____ ECE 3340 - Control Systems (4)
- _____ ECE 3370 - Power System Fundamentals (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 3220, 3250, 3280, 3380, 4220, 4240, 4250, 4260, 4330, 4370, 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 (34)

- _____ CHEM 1000 - General Chemistry (3)
- _____ 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) (0-6)

- _____
- _____

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 Electrical 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 Electrical 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 Electrical 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 Electrical Engineering majors
- _____ Capstone - Satisfied by ECE 4928
- _____ GVAR - 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.