Lower Division Core (12)
- 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)
- ECE/ENGR/PHYS 2070 – Electric Circuits (4)

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)
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

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 – 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) (Economics is part of FE exam)
  Area D (2nd course) – 3 units waived for Electrical 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 Electrical Engineering majors
  Capstone – Satisfied by ECE 4928
- GWAR – Pass exam or get C or better in course (0-3)

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