

Electrical Engineering 2013-15 Catalog Advising Checklist

Quarter Units: 180

Core Units: 128

Name: _____

ID #: _____

Lower Division Core (14)

- _____ ECE 160 - Introduction to Engineering (3) [ECE 1618+1628]
- _____ CMPS 150 - Introduction to Unix (1) [see Q2S notes]
- _____ CMPS 221 - Programming Fundamentals (grade of C- or better) [see Q2S notes]
- _____ CMPS 224 - Assembly Language Programming [CMPS 2240]

Upper Division Core (41)

- _____ ECE 304 - Signals and Systems I [ECE 3040]
- _____ ECE 330 - Signals and Systems II [merged into ECE 3040]
- _____ ECE 307 - Analog Circuits [ECE 3070]
- _____ ECE 320 - Digital Circuits [ECE 3200]
- _____ ECE 332 - Fields and Waves [ECE 3320]
- _____ ECE 337 - Fundamentals of Power Systems [ECE 3370]
- _____ ECE 423 - Digital Communication [ECE 3230]
- _____ ECE 490A - Senior Project I (3) [ECE 4910]
- _____ ECE 490B - Senior Project II (3) [ECE 4928]

Upper Division Electives (15)

Choose from ECE 306, 336, 420, 422, 424, 425, 426, 432, 433, 434, 446, 447, 457, 464

- _____ ECE
- _____ ECE
- _____ ECE

Cognate Requirements (63)

- _____ MATH 201 or 231 - Calculus I (grade of C- or better) [see Q2S notes]
- _____ MATH 202 or 232 - Calculus II (grade of C- or better) [see Q2S notes]
- _____ MATH 203 or 233 - Calculus III (grade of C- or better) [see Q2S notes]
- _____ MATH 204 or 234 - Calculus IV [see Q2S notes]
- _____ MATH 230 or 330 - Linear Algebra [MATH 2610]
- _____ MATH 340 - Probability Theory [MATH 3200]
- _____ CHEM 211 - Principles of General Chemistry [CHEM 1000]
- _____ PHYS 221 - Classical Physics I - Mechanics (6) (grade of C- or better) [PHYS 2210]
- _____ PHYS 222 - Classical Physics II - Thermo/EM (6) (grade of C- or better) [PHYS 2220]
- _____ PHYS 223 - Optics and Modern Physics (6) [PHYS 2230]
- _____ PHYS/ENGR 207 - Electric Circuits (grade of C- or better) [ENGR/ECE/PHYS 2070]
- _____ PHIL 316 - Professional Ethics [PHIL 3318]

Additional Units (any university units) (0-7)

General Education and University Requirements (40-47)

- _____ Foreign Language Requirement - 2 yrs. high school or 1 college course
- _____ CSUB 101 - Introduction to CSUB (2)
- _____ A1 - Recommend COMM 108 (grade of C- or better)
- _____ A2 - ENGL 110 (grade of C- or better)
- _____ A3 - Waived for Electrical Engineering majors
- _____ B1/B3 - Satisfied by PHYS 221
- _____ B2/B3 - Waived for Electrical Engineering majors
- _____ B4 - Satisfied by MATH 201 or MATH 231 or higher with grade of C- or better
- _____ C1
- _____ C2, C4, or C5
- _____ C3 - US History double-counts for C3 for Electrical Engineering majors
- _____ US History for American Institutions (AI) requirement
- _____ D3/Government for AI requirement - Recommend PLSI 101
- _____ Area D - 5 units waived for Electrical Engineering majors
- _____ D1, D2, D4, or D5 - Recommend ECON 201 or 202 (Economics is part of FE exam)
- _____ Theme 1 - Met by completing ECE 490A & B
- _____ Theme 2 - Satisfied by PHIL 316
- _____ Theme 3 - Waived for Electrical Engineering majors
- _____ Gender, Race, and Ethnicity (GRE) (3-5)
- _____ GWAR - Pass exam or get C- or better incurse (COMM 304 - Tech. Writing recommended for course)

Advising Notes:

Q2S Transition Notes:

Programming sequence:
CMPS 2010 is CMPS 150+221+Half 222
CMPS 2020 is Half CMPS 222+All 223

Signals and Systems:
ECE 3040 is both ECE 304 and ECE 330

Calculus sequence:
Completion of MATH 2510-2530 or
MATH 2310-2330 is equivalent to MATH
201-204 or MATH 231-234 (see advisor
if partially completed calculus under
quarters for a Q2S transition plan)

GE: Go to <https://www.csub.edu/ge>