ELECTRICAL ENGINEERING CURRICULUM (4-Year Plan)

F Sp = Semester usually taught

Effective Fall 2019

1	F **ECEN 1100 (1)** Exploring ECE	**ECEN 1400 (3)** Intro to Digital & Analog Electronics (1st Year Projects)	**APPM 1350 (4)** Calculus 1 (MATH 1300)	**PHYS 1110 (4)** General Physics 1	**ELECTIVE (3)** Lower-Division H&SS
2	**ECEN 1310 (4)** C Programming for ECEE	**APPM 1360 (4)** Calculus 2 (MATH 2300)	**PHYS 1120 (4)** General Physics 2	**PHYS 1140 (1)** Experimental Physics	**ELECTIVE (3)** Lower-Division H&SS
3	**ECEN 2310 (1)** Programming w/ Mathematical Software	**ECEN 2250 (3)** Intro to Circuits and Electronics	**APPM 2360 (4)** Differential Equations with Linear Algebra	**ECEN 2350 (3)** Digital Logic *Prerequisite: ECEN 1310*	**ECEN 2XXX (3)** Sophomore Elective 1 *See Help Guide for Options	**ELECTIVE (3)** Lower-Division H&SS
4	**ECEN 2260 (3)** Circuits as Systems *Prerequisite: ECEN 2250 & APPM 2360*	**ECEN 2270 (3)** Electronics Design Lab	**APPM 2350 (4)** Calculus 3 (MATH 2400) Prerequisite: APPM 1360	**ECEN 3350 (3)** Programming Digital Systems	**ECEN 2XXX (3)** Sophomore Elective 2 *See Help Guide for Options	
5		**ECEN 3XXX (3)** Advanced Analog Core Elective 1 *See Help Guide for Options Taken BEFORE ECEN 4610	**ECEN 3810 (3)** Probability *See Help Guide for Options	**ECEN 3360 (3)** Digital Design Lab	**ECEN 3XXX (3)** Advanced Analog Core Elective 2 *See Help Guide for Options Taken BEFORE ECEN 4610	**ELECTIVE (3)** Free
6	***Technical Elective* (3)** *To get to 128 CTP	***Technical Elective* (2)** *To get to 128 CTP	**ECEN 3XXX (3)** Advanced Analog Core Elective 3 *See Help Guide for Options May be taken at any time	**ELECTIVE (3-5)** General Science Elective *See Help Guide for Options	**ELECTIVE (2)** Free	**Writing Course (3)**
7	**ACE (3)** ***Electrical Elective*** *(see Help Guide)*	**ACE (3)** ***Electrical Elective*** *(see Help Guide)*	F **ECEN 4610 (3)** Capstone Laboratory Part 1	***Technical Elective* (3)** *To get to 128 CTP	**ELECTIVE (3)** Free	**ELECTIVE (3)** Upper-Division H&SS
8	**ACE (3)** ***Electrical Elective*** *(see Help Guide)*	**ACE (3)** ***Electrical Elective*** *(see Help Guide)*	Sp **ECEN 4620 (3)** Capstone Laboratory Part 2	***Technical Elective* (3)** *To get to 128 CTP		**ELECTIVE (3)** Upper-Division H&SS

KEY: Prerequisite → Co-requisite ↔ First course if not taken as co-requisite ↔ Second course if not taken as co-requisite Recommended prerequisite ⇢