California State University Los Angeles

Department of Electrical and Computer Engineering

Example roadmap and pre-/ co-requisite structure
with general community college transferrable courses

Bachelor of Science in Electrical Engineering 122 Units 2022-2023

Transferrable Courses from a Community College

*subject to different articulation agreement

CC transferrable Digital Engineering EE 2440 3 (F S)

CC transferrable Digital Engineering EE 2449 1 (F S)

CC transferrable Circuit Analysis EE 2040 3 (F S)

U.S. Constitution/ Local Govt 3 (F S X)

CC transferrable Calculus I MATH 2110 4 (F S X)

CC transferrable Calculus II MATH 2120 4 (F S X)

CC transferrable Calculus III MATH 2130 3 (F S X)

CC transferrable Differential Equations MATH 2150 3 (F S X)

CC transferrable Introduction to Engineering. ENGR 1500 3 (F S)

CC transferrable Physics I PHYS 2100 5 (F S X)

CC transferrable Physics II PHYS 2200 5 (F S X)

Block C C1- Arts & Humanities 3 (F S X)

Block A A2 ENGL 1005B or 1010 3 (F S X)

ENGL 2030 Intro to Technical Writing 3 (F S X)

Block F Ethnicity 3 (F S X)

CC transferrable Circuit Lab EE 2049 1 (F S)

Block A A1 COMM 1100/ HNRS 1100 3 (F S)

CC transferrable C or Python Programming EE 2450 3 (F S)

CC transferrable U.S. History 3 (F S X)

CC transferrable Gen. Chem Chem 1040 4 (F S)

Junior Year at CSULA 31

16 Units | 15 Units

CE/EE/ME 3000 Econ for Engr 3 (F S)

ENGR 3010 Ethics & Professionalism 3 (F S)

EE 3020 Signals and Systems 3 (F S)

EE 3030 Circuit Analysis II 3 (S)

EE 3810 Sensors, Data Acq. & Instru. 3 (F S)

EE 3200 Analog Comm. Systems 3 (S)

EE 3450 Embedded Systems Programming II 3 (F S)

EE 3700 Electronics I 3 (S)

EE 3300 Electric Machines 3 (F)

EE 3600 Control Systems I 3 (S)

EE 3001 Upper Dlv Req. Laboratory 1 (F S)

Senior Year at CSULA 28

15 Units | 13 Units

EE 4xxx Upper Technical Elective 3

EE 4xxx Upper Technical Elective 3

EE 4961 Senior Design I 3 (F S)

EE 4962 Senior Design II 3 (F S)

EE 3040 Probability, Random Var & Processes 3 (F)

EE 4xxx Upper Technical Elective 3

EE 4xxx Upper Technical Elective 3

EE 4xxx Upper Technical Elective 3

EE 3050 Electric & Magnetic Fields 3 (F)

EE Spec Lab Upper Dlv Specialization Laboratory 1

Course typically offered at CSULA
- F Offered in fall
- S Offered in spring
- X Offered in summer

Prerequisite
Co-requisite

Color Key:
- General Education — 21 Units
- Lower Division — 42 Units
- Upper Division — 37 Units
- Senior Design — 6 Units
- Technical Elective — 16 Units (min. 3 lectures in specialization)