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

Junior Year at CSULA 31

16 Units | 15 Units

Senior Year at CSULA 28

15 Units | 13 Units

- CC transferrable Digital Engineering EE 2440 (F S) 3
- CC transferrable Digital Engineering EE 2449 (F S) 1
- CC transferrable Circuit Analysis EE 2040 (F S) 3
- U.S. Constitution/ Local Govt (F S X) 3
- CE/EE/ME 3000 Econ for Engr (F S) 3
- ENGR 3010 Ethics & Professionalism (F S) 3
- EE 4xxx Upper Technical Elective 3
- EE 4xxx Upper Technical Elective 3
- CC transferrable Calculus I MATH 2110 (F S X) 4
- CC transferrable Calculus II MATH 2120 (F S X) 4
- CC transferrable Calculus III MATH 2130 (F S X) 3
- CC transferrable Differential Equations MATH 2150 (F S X) 3
- EE 3020 Signals and Systems (F S) 3
- EE 3030 Circuit Analysis II (S) 3
- EE 4961 Senior Design I (F S) 3
- EE 4962 Senior Design II (F S) 3
- CC transferrable Introduction to Engineering. ENGR 1500 (F S) 3
- CC transferrable Physics I PHYS 2100 (F S X) 5
- CC transferrable Physics II PHYS 2200 (F S X) 5
- Block C C1- Arts & Humanities (F S X) 3
- EE 3810 Sensors, Data Acq. & Instru. (F S) 3
- EE 3200 Analog Comm. Systems (S) 3
- EE 3040 Probability, Random Var & Processes (F) 3
- EE 4xxx Upper Technical Elective 3
- Block A A2 ENGL 1005B or 1010 (F S X) 3
- ENGL 2030 Intro to Technical Writing (F S X) 3
- Block F Ethnicity (F S X) 3
- CC transferrable Circuit Lab EE 2049 (F S) 1
- EE 3450 Embedded Systems Programming II (F S) 3
- EE 3700 Electronics I (S) 3
- EE 4xxx Upper Technical Elective 3
- EE 4xxx Upper Technical Elective 3
- Block A A1 COMM 1100/ HNRS 1100 (F S) 3
- CC transferrable C or Python Programming EE 2450 (F S) 3
- CC transferrable U.S. History (F S X) 3
- CC transferrable Gen. Chem Chem 1040 (F S) 4
- EE 3300 Electric Machines (F) 3
- EE 3600 Control Systems I (S) 3
- EE 3050 Electric & Magnetic Fields (F) 3
- EE Spec Lab Upper Div Specialization Laboratory 1
- EE 3001 Upper Div Req. Laboratory (F S) 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	Lower Division	Upper Division	Senior Design
21 Units	42 Units	37 Units	6 Units

Technical Elective

16 Units
(min. 3 lectures
in specialization)