California State University Los Angeles

Department of Electrical and Computer Engineering

Example roadmap and pre-/ co-requisite structure
with LA Mission college transferrable courses

Bachelor of Science in Electrical Engineering 122 Units 2021-2022

Transferrable Courses from LA Mission College*

*subject to different articulation agreement

- Digital Engineering EE 2440 (F S) 3
- Digital Logic Lab EE 2449 (F S) 1
- Ckt Analysis EE 2040 (F S) 3
- POLS 1 U.S. Constitution/ (F S X) 3
- MATH 265 Calculus I MATH 2110 (F S X) 4
- MATH 266 Calculus II MATH 2120 (F S X) 4
- MATH 267 Calculus III MATH 2130 (F S X) 3
- MATH 275 Differential Equations MATH 2150 (F S X) 3
- Introduction to Engineering. ENGR 1500 (F S) 3
- PHYS 037 Physics I PHYS 2100 (F S X) 5
- PHYS 038 Physics II PHYS 2200 (F S X) 5
- Block C C1- Arts & Humanities (F S X) 3
- BLOCK A2 ENGL 1005B or 1010 (F S X) 3
- ENGL 2030 Intro to Technical Writing (F S X) 3
- Block D Social Sciences (F S X) 3
- Ckt Analysis Lab EE 2049 (F S) 1
- BLOCK A1 COMM 1100/ HNRS 1100 (F S) 3
- C or Python Programming EE 2450 (F S) 3
- U.S. History (F S X) 3
- Gen. Chem Chem 1040 (F S) 4

Junior Year at CSULA 31

16 Units

- CE/EE/ME 3000 Econ for Engr (F S) 3
- EE 3020 Signals and Systems (F S) 3
- EE 3040 Probability, Random Var & Processes (F) 3
- EE 3450 Embedded Systems Programming II (F S) 3
- EE 3300 Electric Machines (F) 3
- EE 3001 Upper Div Req. Laboratory (F S) 1

15 Units

- ENGR 3010 Ethics & Professionalism (F S) 3
- EE 3030 Circuit Analysis II (S) 3
- EE 3200 Analog Comm. Systems (S) 3
- EE 3700 Electronics I (S) 3
- EE 3600 Control Systems I (S) 3

Senior Year at CSULA 28

15 Units

- EE 4xxx Upper Technical Elective 3
- EE 4961 Senior Design I (F) 3
- EE 3810 Sensors, Data Acq. & Instru. (F S) 3
- EE 4xxx Upper Technical Elective 3
- EE 3050 Electric & Magnetic Fields (F) 3

13 Units

- EE 4xxx Upper Technical Elective 3
- EE 4962 Senior Design II (S) 3
- EE 4xxx Upper Technical Elective 3
- EE 4xxx Upper Technical Elective 3
- EE Spec Lab Upper Div 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)

* MATH XXX, PHYS XX

LA Mission College Articulated Courses