Example roadmap and pre-/ co-requisite structure with general community college transferrable courses **California State University Los Angeles** Department of Electrical and Computer Engineering Bachelor of Science in Electrical Engineering 122 Units 2021-2022 Transferrable Courses from GCC* Junior Year at CSULA 31 Senior Year at CSULA 28 *subject to different articulation agreement 16 Units 15 Units 15 Units 13 Units CE/EE/ME **POLS S 101 ENGR 240** EE 4xxx **ENGR 132 ENGR 3010** EE 4xxx U.S. 3000 Digital **Ckt Analysis** Digital Ethics & Upper Technica Upper Technica Econ for Engr Engineering Constitution/ **EE 2040** Professionalism Elective **Engineering** Elective 98 EE 2449 **FOX** A EE 2440 **MATH 108 EE 3020 MATH 103** EE 4962 **MATH 104 MATH 105** EE 3030 EE 4961 Differential Signals and Calculus I Calculus III Senior Design Calculus II Circuit Analysis Senior Design Equations Systems **MATH 2110 MATH 2130 MATH 2120 MATH 2150** FIS S **FSX** (3) **FSX FIS** FISIX **ART 101** Block C **ENGR 100 & 110 EE 3040 PHY 101 PHY 102** EE 3810 EE 4xxx C1- Arts & **EE 3200** Introduction to Probability, Physics I Physics II Sensors, Data Upper Technical **Humanities** Analog Comm. Random Var & Engineering. **PHYS 2100 PHYS 2200** Acq. & Instru. Elective Systems Processes **ENGR 1500** BB **FSX FISIX FISIX** 00 **EE 3450 ENGL 101 ENGL 2030 Embedded** Block D **Ckt Analysis** EE 4xxx **EE 3700** EE 4xxx A2 Intro to Systems Social Sciences EE 2049 Electronics I Upper Technical **ENGL 1005B Technical** Programming II Upper Technica GOX Elective or 1010 Writing Elective **FS** FI Suits Lab S BBX **SPCH 101** CS/IS 135 HIST 117 or 118 **CHEM 101 EE Spec Lab A1** C or Python **EE 3600** EE 3050 **U.S. History EE 3300** Gen. Chem Upper Dlv COMM 1100/ **Programming** Electric & Control Electric Specialization Chem 1040 **HNRS 1100** EE 2450 Magnetic Fields Systems I Machines Laboratory FOR 3 AS BB S EE 3001 Course typically offered at CSULA Upper Dlv Req. • Offered in fall Laboratory AS S Offered in spring Offered in summer **Technical Elective** MATH XXX, PHYSICS XXX **ENGR GEN XXX**

Prerequisite

----- Co-requisite

Color Kev:

General Education

21 Units

Lower Division

42 Units

Upper Division

37 Units

Senior Design

6 Units

16 Units

(min. 3 lectures Glendale Community College **Articulated Courses** in specialization)