Example roadmap and pre-/ co-requisite stucture 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 a CC* 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 U.S. C transfferable CC transfferable EE 4xxx CC transferrable **ENGR 3010** EE 4xxx 3000 Constitution/ Digital **Ckt Analysis** Digital Ethics & Jpper Technica Jpper Technica Econ for Engr **Local Govt Engineering EE 2040** Professionalism Elective Engineering Elective 98 EE 2449 EE 2440 **F**OX A CC transfferable **EE 3020** CC transfferable C transfferable EE 4962 C transfferable EE 3030 **FF 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** BS S **FSX** (3) **FISIX FIS** FISIX **CC** transfferable EE 3040 C transfferable CC transfferable EE 3810 FE 4xxx **Block C EE 3200** Probability, Introduction to Physics I Physics II Sensors, Data Jpper Technical C1- Arts & Analog Comm. Random Var & Engineering. **PHYS 2100 PHYS 2200** Acq. & Instru. Elective Humanities Systems **Processes ENGR 1500** BOX AB FSX FSX PS **EE 3450** Block A **ENGL 2030 Embedded** Block D C transfferable EE 4xxx **EE 3700** EE 4xxx A2 Intro to Systems Social Sciences **Ckt Analysis** Electronics I Upper Technical **ENGL 1005B Technical** Programming II Jpper Technica EE 2049 GOX Elective or 1010 Writing AB Elective S BOX Block A CC transfferable **CC** transfferable **CC** transfferable EE Spec Lab **A1** C or Python **EE 3600** EE 3050 **EE 3300** Gen. Chem Upper Dlv COMM 1100/ **Programming** Electric & **U.S. History** Control Electric Specialization Chem 1040 HNRS 1100 EE 2450 Magnetic Fields Systems I Machines Laboratory FOR 3 BB 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

Prerequisite

----- Co-requisite

Color Kev:

General Education

21 Units

Lower Division

42 Units

Upper Division

37 Units

(min. 3 lectures East Los Angeles College in specialization) East Los Angeles College

ENGR GEN XXX

Senior Design

6 Units

16 Units