## Example roadmap and pre-/ co-requisite structure with Mt. SAC 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 Mt. SAC\* Junior Year at CSULA 31 Senior Year at CSULA 28 \*subject to different articulation agreement 16 Units 15 Units 15 Units 13 Units U.S. ENGR 44 CE/EE/ME EE 4xxx **ELEC 56 ENGR 3010** EE 4xxx Constitution/ Ckt Analysis 3000 Digital Logic Lab **Digital** Ethics & Jpper Technica Jpper Technica **Local Govt** EE 2040 Econ for Engr **EE 2449** Professionalism Elective **Engineering** Elective 98 EE 2440 **F**OX AA AA **MATH 181** 1ATH 285 or 290 **EE 3020 MATH 180** EE 4962 **MATH 280** Calculus II EE 3030 **FF 4961** Differential Signals and Calculus I Calculus III Senior Design Circuit Analysis **MATH 2120** Senior Design Equations Systems **MATH 2110 MATH 2130 MATH 2150** BS S BOX **FSX** (3) **FIN** FISIX **ENGR 1 EE 3040** PHYS 4A PHYS 4B or 4C 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** BSX AB **FIX FISIX** PS **EE 3450** ENGR 44 **ENGR 1C Embedded** Block D kt Analysis Lal EE 4xxx **EE 3700** EE 4xxx **BLOCK A2 Engr Critical** Systems Social Sciences EE 2049 Electronics I Upper Technical **ENGL 1005B** Thinking Programming II Jpper Technica Circuits Lab GOX Elective or 1010 **ENGL 2030** AB Elective S BOX CSCI 140 or **CHEM 50** EE Spec Lab BLOCK A1 **ENGR 6 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 FOX 3 AB AB S EE 3001 Course typically offered at CSULA Upper Dlv Req. • Offered in fall Laboratory BB S Offered in spring

**Technical Elective** 

(min. 3 lectures

in specialization)

16 Units

\* MATH XXX, PHYS XX

**Articulated Courses** 

**ENGR XX** 

Mt. SAC

Offered in summer

Prerequisite

----- Co-requisite

Color Kev:

**General Education** 

21 Units

**Lower Division** 

42 Units

**Upper Division** 

37 Units

Senior Design

6 Units