COMPUTER ENGINEERING

CALIFORNIA STATE UNIVERSITY, FRESNO

2022-2023 CATALOG

This sheet is for general information and is not by any means a substitute for the University Catalog. You must consult the 2022-2023 University Catalog for more detailed information

EIDCT CEMECTED		CECO	ND CEMECTED	
FIRST SEMESTER ECE 1 Intro to EE and CompE Area A1 Comm 3, 7, 8	1 3	SECO 1 ECE 72 Math 76	ND SEMESTER Intro to EE/CompE Tools Mathematical Analysis II	2 4
Area A2 Engl. 10 Comp. or 5A&B	3		Mechanics	3
Area B4 Math 75 Math. Analysis I	4	Area C2		3
Area B2 Biol 10 (life science)	3	Area D2	Pl Sci 2	3
	14			15
THIRD SEMESTER			TH SEMESTER	
ECE71/or CSci 40 Intro. to Prog.	3		Data Structures	4
ECE 85 Digital Logic Design	3		Prin. of Electrical Circuits	3
ECE 85L Digital Logic Design Lab	1		Prin. of Elect. Circuits Lab Advanced Digital design	1 3
Math 77 Mathematical Analysis III	4		Microp. Arch. And Prog.	3
Phys 4B Elect., Magn. and Heat Phys 4BL Elect., Magn. and Heat Lab	3		Microcontroller Lab	1
ECE 103 Professional Dev. Skills	2	Math 81/I		3
ECE 103 Trolessional Dev. Skills	17	1/14/11 01/1	51.61	18
	17			10
FIFTH SEMESTER			SEMESTER	
ECE 124 Signals and Systems	3		Probabilistic Engr. Sys. Analy	
ECE 128 Electronics I	3	ECE 146	Computer Networks.	3
ECE 128L Electronics I lab.	1		Technical Area Course ¹	3
ECE 141 Advanced Algorithm Design ECE 141LAlgorithm Design Lab	1 3	Amon D1	Technical Area Course ¹ Chem. 3A General Chem.	3 4
ECE 141LAigoritiini Design Lab	1	Area Di	Chem. 3A General Chem.	16
ECE 144 Embedded OS	3			10
ECL 144 Emocdaed OS	14			
SEVENTH SEMESTER		EIGH'	TH SEMESTER	
ECE 186A Senior Design I	1		Computer Architecture	3
ECE 176 CAE in Digital Design	3	Area IB E	CE 186B Senior Design II	3 3 3
ECE 178 Embedded Systems	4	4 E2	Technical Area Course ¹	3
Technical Area Course ¹	3		Ethnic Studies	
Econ 40 or 50 Area D1 Hist 11, 12	3 3	ECE	Lab elective ⁴	1
A16a D1 HIST 11, 12	3 17			13
Total units for the program				124

¹ Upper Division ECE and CSCI courses (maximum 6 CSCI units).

² Interdisciplinary and comparative study of race and ethnicity- Foundation, Breath, and Integration - Lower division GE

³ Area C2: Phil1 or 10 or 20 or 25 or 45

⁴ Select from: ECE 122L, 155L, ECE 119L, ECE 121L; ECE 134L, ECE 136L

General Education

Area A1: Communication 3, 7, or 8 Area A2: Engl 10 or Engl 5A and 5B

Area A3: Exempt

Area B1: Chem 3A Area B2: Bio 10 or 1A Area B3: Phys 4BL

Area B4: Math 75 (A student who has earned 15 units will get a warning pop-up if not passed or not registered in the B4 course.

A student who has earned 30 units and has not passed or not registered in the B4 course will get the hold pop-up at the time

of registration.)

Area C1: Exempt

Area C2: Phil 1 or 10 or 20 or 25 or 45

Area D1: Hist 11 or 12 Area D2: PlSci 2

Area E: Exempt

Area F: Any upper or lower division GE area F

Area IB: Exempt/ECE 186B

Area IC: Exempt

Area ID: Exempt/ECE 118