

4-YEAR PLAN: COMPUTER ENGINEERING

CALIFORNIA STATE UNIVERSITY, FRESNO

2005-2006 CATALOG

<u>FIRST SEMESTER</u>			<u>SECOND SEMESTER</u>		
ECE 1	Intro to EE and CE	1	Math 76	Math Analysis II	4
ECE 85	Digital Logic Design	3	Phys 4A	Mechanics and Wave Motion	3
ECE 85L	Digital Logic Design Lab	1	Csci 40	Intro to Programming	4
Chem 3A	Area B1: Intro General Chemistry	4	Comm 3/7/8	Area A1: Oral Communication	3
Engl 1	Area A2: Intro to College Writing	3	Phil 1/10	Area C2: Humanities	3
Math 75	Area B4: Math Analysis I	4			
Sem. Total: 16			Sem. Total: 17		
<u>THIRD SEMESTER</u>			<u>FOURTH SEMESTER</u>		
ECE 115	Computer Organization	3	ECE 90	Prin. of Electrical Circuits	3
Csci 41	Intro to Data Structures	4	ECE 90L	Prin. of Electrical Circuits Lab	1
Math 77	Mathematical Analysis III	4	ECE 118	Microp. Arch. and Prog.	3
Phys 4B	Electricity, Magnetism, and Heat	3	Math 81	Applied Analysis	3
Phys 4BL	Electricity, Magnetism, and Heat Lab	1	Phys 4C	Light and Modern Physics	3
Biol 10	Area B2: Life Science	3	Hist 11/12	Area D1: American History	3
Sem. Total: 18			Sem. Total: 16		
<u>FIFTH SEMESTER</u>			<u>SIXTH SEMESTER</u>		
ECE 120L	Computer Systems Lab	1	ECE 106	Switching Thry. and Logical Desn.	3
ECE 124	Signal and Systems	3	ECE 107	Digital Signal Processing	3
ECE 128	Electronics I	3	ECE 125	Rand. Sig. and Stoch. Sys. Anal.	3
ECE 128L	Electronics I Lab	1	ECE 148	Anal. and Desn. of Digital Circuits	3
Csci 150	Intro to Software Engineering	3	ECE 176	Comp.-Aided Engr. in Dig. Design	3
_____	Area C1: Arts	3			
Sem. Total: 14			Sem. Total: 15		
<u>SEVENTH SEMESTER</u>			<u>EIGHTH SEMESTER</u>		
ECE 186A	Senior Design I	1	ECE 186B	Senior Design II	3
ECE 174	Advanced Computer Architecture	3	_____	Technical Area Course [†]	3
_____	Technical Area Course [†]	3	_____	Technical Area Course [†]	3
Econ 40/50	Area D3: Social Science	3	Phil 120	Area IC: Conflicts and Morals	3
PLSI 2	Area D2: American Government	3	PLSI 120	Area MI: Multic./Intern.	3
Sem. Total: 13			or BA 104		
			Sem. Total: 15		
			CUM TOTAL: 124		

Additional Requirement: Must pass the university writing exam or take IE 182W Technical Writing.

[†] Technical Area courses may be chosen from CSCI 144, 156, ECE 114, 132, 134, 135, 138, 138L, 140, 146, 155, 172, 173

(This sheet is for informational purposes only. More details can be found in the University Catalog and by consulting your advisor.)

GENERAL EDUCATION

ELECTRICAL & COMPUTER ENGINEERING DEPT

- Area A1: Communication 3, 7, or 8
- Area A2: English 1
- Area A3: **Exempt**
- Area B1: Chemistry 3A
- Area B2: Biology 10
- Area B3: Physics 4BL
- Area B4: Math 75
- Area C1: Armenian Studies 20; Art 1, 20, 40, 50; Art History 10, 11; Chicano Latino Studies 9; Drama 22, 62; English 41, 43; Music 9, 74
- Area C2: Philosophy 1 or 10
- Area D1: History 11 or 12
- Area D2: Political Science 2
- Area D3: Economics 40 or 50
- Area E: **Exempt**
- Area IB: ECE 186B
- Area IC: Philosophy 120
- Area ID: **Exempt**
- Area M/I: Business Administration 104 or Political Science 120