Electrical Engineering Roadmaps

Note the list of recommended general education and university requirements which are *not* automatic (for example, B4 is automatic with Calculus, and B1,B3 are automatic with Physics). The CSUB general education goals are listed by the usual campus mnemonic (e.g. A2 is the composition goal in area A) and either a recommended course is given or the choice is left up to the student.

General Education and University Requirements (65)

A1 - COMM 108
A2 - ENGL 110
A3 - (waived for Computer and Electrical Engineering Majors)
B2 - BIOL 100
C1
C2
C3
US History Requirement
D1
D2 - ECON 202 (Macroeconomics)
D3 - PLSI 101
Theme I (waived for Computer and Electrical Engineering Majors)
Theme II - PHIL 316 (Ethics)
Theme III
Gender, Race, or Ethnicity Goal (GRE)

The roadmaps (which depend upon whether the student enters in even or odd-numbered years) follow. A year is even if it begins in an even year (e.g. 2012/13) and odd otherwise (e.g. 2011/12). Roadmaps should be considered to be the "ideal" situation, as often students take longer than 4 years to graduate. On cross-listed courses we use the primary departmental designation.

Elect. Engineering Roadmap to Graduation — Entering Odd Years

Odd Year 1	Fall (17)	Winter (15)	Spring (15)
	A2 -ENGL 110 MATH 201 CMPS 221 Prog. Fund. CSUB 101 (2) Intro. Eng.	A1 - COMM 108 MATH 202 CMPS 224 Assembly	B2 - BIOL 100/201 MATH 203 CENG 320 Digital Circuits
Even Year 2	Fall (16)	Winter (16)	Spring (16)
	PHYS 221 (6) MATH 204 CHEM 211	PHYS 222 (6) D2 - ECON 202 MATH 340 Probability	PHYS 223 (6) US History Reqt. PHYS 207
Odd Year 3	Fall (15)	Winter (15)	Spring (15)
	CENG 304 Linear Systems C1 C2	C3 CENG 306 Complex Var. CENG 307 Analog Circuits	EENG 325 Prop. Mat. D1 D3 - PLSI 101
Even Year 4	Fall (15)	Winter (15)	Spring (10)
	Theme II - PHIL 316 EENG 332 Fields & Waves EENG Elective	Theme III CENG 330 Signals & Systems EENG Elective	GRE EENG 490

Elect. Engineering Roadmap to Graduation — Entering Even Years

Even Year 1	Fall (17)	Winter (15)	Spring (15)
	A2 -ENGL 110 MATH 201 CMPS 221 Prog. Fund. CSUB 101 (2) Intro. Eng.	A1 - COMM 108 MATH 202 CMPS 224 Assembly	B2 - BIOL 100/201 MATH 203 C1
Odd Year 2	Fall (16)	Winter (16)	Spring (16)
	CHEM 211 PHYS 221 (6) MATH 204	CENG 320 Digital Circuits PHYS 222 (6) MATH 340 Probability	D3 - PLSI 101 PHYS 223 (6) PHYS 207
Even Year 3	Fall (15)	Winter (15)	Spring (15)
	CENG 304 Linear Systems US History Reqt. C2	D2 - ECON 202 CENG 307 Analog Circuits CENG 306 Complex Var.	EENG 325 Prop. Mat. D1 C3
Odd Year 4	Fall (15)	Winter (15)	Spring (10)
	Theme II - Phil 316 EENG 332 Fields & Waves EENG Elective	Theme III CENG 330 Signals & Systems EENG Elective	GRE EENG 490