

Electrical Engineering Program

Undergraduate Emphases

The ECE electives allow students to acquire more in-depth knowledge in one of several areas of specialization. Several possible tracks are illustrated below with recommendations for related electives. Note that these are NOT to be considered the only possibilities for electives. They are listed just to provide some guidance in choosing electives consistent with specific disciplines. Course descriptions for many of these courses can be found on the ECE webpage: http://www.ece.ucsb.edu/current_courses.shtml

Approved Departmental Electives

Computer Engineering	Control Systems/Robotics	Electronic Systems	Engineering & Technology Management *
ECE124A-D	ECE130C	ECE124A-D	Engineering 100
ECE125	ECE140	ECE125	Engineering 103
ECE152B	ECE141A-B-C	ECE144	Engineering 185A-B-C-D
ECE153A-B	ECE147A-B-C	ECE145A-B-C	
ECE154	ECE181A-B-C	ECE146A-B	
ECE155A-B	ECE178	ECE148	
ECE 156A-B	ECE183	ECE149	
Nanotechnology: Materials & Devices	Signal Processing and Communications	VLSI Design	Other
ECE124B-C	ECE130C	ECE124A-D	ECE 192 or ECE 196 (4 units combined max)
ECE135	ECE140	ECE125	OR
ECE141A-B-C	ECE146A-B	ECE152B	ECE 188A-B (Sr. Design Sequence)
ECE144	ECE148	ECE153AB	ECE 194
ECE162A-B-C	ECE149	ECE156A-B	
Materials 100A-C	ECE158		
Materials 100B or	ECE178		
Materials 101	ECE181B		

Approved Departmental Sequences

Design Sequences	Other Sequences
ECE 124A & ECE 124B	ECE 141A & ECE 141B
ECE 124A & ECE 124D	ECE 141A & ECE 141C
ECE 124B & ECE 124C	ECE 144 & ECE 135
ECE 145A & ECE 145B	ECE 148 & ECE 149
ECE 145A & ECE 145C	ECE 148 & ECE 158
ECE 145A & ECE 146A	ECE 148 & ECE 178
ECE 145A & ECE 149	ECE 154 & ECE 155A
ECE 146A & ECE 146B	ECE 154 & ECE 152B
ECE 147A & ECE 147B	ECE 156A & ECE 156B
ECE 147A & ECE 147C	ECE 158 & ECE 149
ECE 152B & ECE 153A	ECE 158 & ECE 178
ECE 153A & ECE 153B	ECE 158 & ECE 181B
ECE 155A & ECE 155B	ECE 160 & ECE 178
ECE 188A & ECE 188B	ECE 160 & ECE 181B
	ECE 162A & ECE 162B
	ECE 178 & ECE 181B

* Students may count only one course offered by the Engineering Science program as a departmental elective. ENGR 185A-B-C count toward the Technology Entrepreneurship Certificate Program. Other Engineering Science courses can be used as free electives.

Electrical Engineering

Schedule of Senior EE Electives

(For Freshman from Fall 1999 or later and Junior transfers from Fall 2001 or later.)
 Department of Electrical and Computer Engineering – University of California, Santa Barbara

Last Name, First Name	Umail Address
Perm Number	Phone Number

STUDENTS ARE RESPONSIBLE FOR DETERMINING AND TAKING THE NECESSARY PREREQUISITES FOR THE CLASSES LISTED.

YOUR SENIOR ELECTIVES MUST INCLUDE:

- 1.) A MINIMUM OF 32 UNITS
- 2.) A MINIMUM OF 8 COURSES
- 3.) TWO SEQUENCES, ONE OF WHICH MUST BE A DESIGN SEQUENCE
- 4.) ADDITIONAL DEPARTMENTAL ELECTIVES OF YOUR CHOOSING

	Course	Units
Design Sequence		
Second Sequence		
Departmental Electives		
Total Units:		
Minimum Required:		32

Student's Signature	Date
ECE Student Office Approval Signature	Date
Faculty Advisor's Signature	Date