

EE and EP Majors

FRESHMAN PLAN 2013-2014

PLEASE NOTE: All courses used to satisfy major requirements must be taken for a LETTER GRADE.

ELECTRICAL ENGINEERING (B.S.)			
	FALL	WINTER	SPRING
Year 1	MATH 20A	MATH 20B	MATH 20C
	CHEM 6A	PHYS 2A	PHYS 2B
	ECE 15	ECE 25	ECE 35
Year 2	MATH 20D	MATH 20F	MATH 20E
	PHYS 2C	PHYS 2D	ECE 30
	ECE 45	ECE 65	ECE 109
Year 3	ECE 100	ECE 103	Depth #1
	ECE 101	ECE 107	Depth #2
	ECE 102	ECE 108	Elective #1
Year 4	Depth #3	Depth #4	Depth #5
	Elective #2	Eng. Design	Elective #5
	Elective #3	Elective #4	Elective #6

DEPTH SEQUENCES:

Communication Systems: ECE 153, ECE 154A, ECE 154B, ECE 154C, and ECE 158A

Students must select an upper division ECE course to satisfy the 5th Depth course in the following sequences:

Electronics Circuits & Systems: ECE 163, 164, 165, 166

Electronic Devices & Materials: ECE135A, ECE 135B, ECE 136L, ECE 183

Machine Learning & Controls: ECE 171A, ECE 174, ECE 175A, one of ECE 171B, ECE 172A, or ECE175B

Photonics: ECE 181, ECE 182, ECE 183 and either ECE 184 or ECE 185

Signal and Image Processing: ECE 153, ECE 161A, ECE 161B, ECE 161C

Computer System Design: CSE 141, ECE 165 and any two of ECE 118, ECE 158A, ECE 111 or CSE 143

ENGINEERING PHYSICS (B.S.)			
	FALL	WINTER	SPRING
Year 1	MATH 20A	MATH 20B	MATH 20C
	CHEM 6A	PHYS 2A	PHYS 2B
	ECE 15	ECE 25	ECE 35
Year 2	MATH 20D	MATH 20F	MATH 20E
	PHYS 2C	PHYS 2D	ECE 30
	ECE 45	PHYS Lab	ECE 109
		ECE 65	
Year 3	ECE 100	MATH 110A	ECE 107
	ECE 102	ECE 101	ECE 108
	PHYS 110A	ECE 103	PHYS 130A
Year 4	Depth #1*	Depth #2*	Eng. Design
	PHYS 130B	Elective #1	Elective #3
	PHYS 140A	Elective #2	Elective #4

* ECE 123 & 166 or ECE 135A & 135B or ECE 182 & (181 or 183): The 2 depth courses indicated * are not always offered in fall and winter, consult with the ECE Undergraduate Office for more detailed information or visit our website.

EE & Society Major

FRESHMAN PLAN 2013-2014

PLEASE NOTE: All courses used to satisfy major requirements must be taken for a LETTER GRADE.

ELECTRICAL ENGINEERING & SOCIETY (B.A.)			
	FALL	WINTER	SPRING
Year 1	MATH 20A	MATH 20B	MATH 20C
	CHEM 6A	PHYS 2A	PHYS 2B
	ECE 15	ECE 25	ECE 35
Year 2	MATH 20D	MATH 20F	MATH 20E
	PHYS 2C	PHYS 2D	ECE 30
	ECE 45	ECE 65	S/H Elective
		S/H Elective	
Year 3	ECE 100	ECE 103	Depth #1
	ECE 101	ECE 107	Depth #2
	ECE 102	ECE 108	ECE 109
Year 4	Depth #3	Depth #5	Depth #6
	Depth #4	Eng. Design	E. Elective
	E. Elective	E. Elective	