

Electrical Engineering

Analog/RF Track

Possible 4 Year Course Plan

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR							
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING					
Math / Science Requirements																
CALCULUS I MATH 251		II MATH 252	LIN ALG MATH 261	DIF EQ I MATH 256		CALC IV MATH 254			APPL STAT STAT 451							
CHEM CH 221 227			PHYSICS PH 211/221 214			PH 212/222 215	PH 213/223 216	MATH/ SCI ELECT								
Engineering / Computer Science Requirements																
EXPLOR ELEC ECE 101	ENGR COMP ECE 102	ENGR PROGR ECE 103	ELEC CURCUIT ANALYSIS I ECE 221 221L			II ECE 222 222L	III ECE 223 223L	ELECTRONICS I ECE 321 321L			II ECE 322 322L	III ECE 323 323L	Track senior electives 4XX ANALOG IC DES I ECE 421		MICRO WAVE I ECE 431	ECE 4XX (1)
	DIGI CIRC ECE 171			DIGI SYST ECE 271 271 L			MICRO PROC ECE 371	FOURIER ANALYSIS ECE 312	FEEDBACK CONTROL ECE 311 311 L	ECE 4XX (1)	Start MS program (2)		(2)			
							ENG EMAG I ECE 331	ENG EMAG II ECE 332 332L	DIGI SIGNAL PROC ECE 465	INDSTRY DESIGN PROCSS ECE 411	SR. PROJ DEVLP I ECE 412	S.P.D. II ECE 413				
General Education Requirements																
FRESHMAN INQUIRY UNST 1XX			SOPHOMORE INQUIRY UNST 2XX			TECH RPT WR 327			CLUSTER: PRIV PUBLIC INVEST EC 314U			UNST UPPER DIVISION CLUSTER	UNST UPPER DIVISION CLUSTER			

(1) List of track specific senior electives:	2) Continuation to Graduate program:
ECE 425 Digital IC Design I	ECE 526 Digital IC Design II
ECE 483 Low Power Digital IC Design	ECE 552 Control Systems Design II
ECE 428 VLSI Computer Aided Design	ECE 562 Communication Systems Design II
ECE 415 Fundamentals of Semiconductor Devices	
ECE 416 IC Technologies	+ courses remaining from the left column
ECE 422 Analog IC Design II	
ECE 432 Microwave Circuit Design II	Students not continuing on to MS program should complete
ECE 451 Control Systems Design I	Either 421+422 or 431+432 sequence
ECE 461 Communication Systems Design I	