

Electrical Engineering Electromagnetics 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 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	APPL EMAG ECE 436	INDSTRY DESIGN PROCSS ECE 411	SR. PROJ DEVL P 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 415 Fund of Semiconductor Devices	ECE 533 Adv Emag
ECE 431/432 Microwave Circuits I & II	ECE 534 Acoustics
ECE 435 Radar/Sonar	ECE 576 Computational Methods in Electrical Engineering
ECE 457 Eng Data Analysis and Modeling	ECE 594 Applied Optics
ECE 461 Communication Systems Design I	ECE 595 Optoelectronics I