

# Electrical Engineering Signal Processing Track

## Possible 4 Year Course Plan

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR							
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING					
<b>Math / Science Requirements</b>																
CALCULUS I MATH 251		CALCULUS 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							
<b>Engineering / Computer Science Requirements</b>																
EXPLOR ELEC ECE 101	ENGR COMP ECE 102	ENGR PROGR ECE 103	ELEC CURCUIT ANALYSIS I ECE 221 201			II ECE 222 202	III ECE 223 203	ELECTRONICS I ECE 321 301			II ECE 322 302	III ECE 323 303	Track senior electives 4XX LINEAR SYS I ECE 418		COMM DES I ECE 461	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)		ECE (2)			
							ENG EMAG I ECE 331	ENG EMAG II ECE 332 332L	DIGI SIGNAL PROCSS ECE 465	INDSTRY DESIGN PROCSS ECE 411	SR. PROJ DEVL P I ECE 412	S.P.D. II ECE 413				
<b>General Education Requirements</b>																
FRESHMAN INQUIRY												CLUSTER:				
UNST 1XX	UNST 1XX	UNST 1XX	SOPHOMORE INQUIRY				TECH RPT WR 327			PRIV PUBLIC INVEST EC 314U	UNST UPPER DIVISION CLUSTER	UNST UPPER DIVISION CLUSTER				

<b>(1) List of track specific senior electives:</b>	<b>(2) Continuation to Graduate program:</b>
ECE 419 Linear Systems II	ECE 522 Analog IC Desing II
ECE 421 Analog IC Design I	ECE 555/6 AI: Neural Networks I, II
ECE 431 Microwave Circuit Design I	ECE 532 Microwave Circuit Design II
ECE 451 Control Systems Design I	ECE 538/9 Statistical Signal Processing I, II
ECE 435 Radar and Sonar	ECE 552 Control Systems Design II
ECE 457 Eng. Data Analysis and Modeling	ECE 565 Digital Signal Processing
ECE 462 Communication Systems Design II	ECE 568 Intro Image Processing
	+ courses remaining from the left column