

	Required Course	Pre-Req	CR	Done (X)	(write number of credit hours in boxes below)								Later (X)		
					F 09	W 10	Sp 10	Su 10	F 10	W 11	Sp 11	Su 11			
	ECE 111	con=MTH 111 Recommended	3		3										
	ECE 112	MTH 111/MTH 251/MPT>=17	3			3									
	ECE 271	con=MTH 251 or MTH 231	3				3								
	ECE 272	(ECE 112/ENGR 201), con=ECE 271	1				1								
	CH 201	con=MTH 111	3		3										
E L E C T R I C A L A N D C O M P U T E R E N G I N E E R I N G (E C E)	MTH 111	MTH 095 or equivalent	4	-											
	MTH 112	MTH 111	4	-											
	MTH 251	MTH 112	4	-											
	MTH 252	MTH 251	4	-											
	MTH 254	MTH 252	4		4										
	MTH 255	MTH 254	4			4									
	MTH 256	MTH 254	4					4							
	MTH 306	MTH 252	4						4						
	MTH 231	MTH 112	4			4									
	CS 161	MTH 112 or MPT>=33	4			4									
	CS 162	CS 161, con=MTH 231/ECE 271	4				4								
	CS 261	CS 162, MTH 231	4							4					
	PH 211	MTH 251	4				4								
	PH 212	MTH 252, PH 211	4					4							
	PH 213	MTH 254, PH 211	4						4						
	ENGR 201	MTH 251, MTH 252	3						3						
	ENGR 202	ENGR 201	3							3					
	ENGR 203	ENGR 201, ENGR 202, MTH 256	4								4				
	ENGR 391 or 299: Engr. Mgt. (ENGR 390<W'10) - Prereq: MTH 252		3											X	
	WR 121	Last Name (A-G=Fall, H-N=Winter, O-Z=Spring)	3			3									
	WR 327	WR 121	3								3				
	COMM 111 or COMM 114		3						3						
	ECE 322	ENGR 203	4												X
	ECE 323	ECE 322	4												X
	ECE 351	ENGR 203, MTH 256	3												X
	ECE 352	ECE 351, MTH 306	4												X
	ECE 353	ECE 351, MTH 254	3												X
	ECE/CS 372	CS 261, ECE 271, (C Programming/Unix)	4												X
	ECE 375	ECE 271, (C/C++ PROGRAMMING)	4												X
	ECE 391(X)	ENGR 203, MTH 254, MTH 256	3												X
	ECE 441	ECE 322, ECE 351, CS 261, WR 327	2												X
	ECE 442	ECE 441 (taken same academic year)	2												X
	ECE 443	ECE 442 (taken same academic year)	2												X
ECE TRACK SPECIFIC COURSES (30 crs):					Click Here to Select ECE Track → →										
	Track Course = Enter Course Here		3-4											X	
	Track Course = Enter Course Here		3-4											X	
	Track Course = Enter Course Here		3-4											X	
	Track Course = Enter Course Here		3-4											X	
	Track Course = Enter Course Here		3-4											X	
	Track Course = Enter Course Here		3-4											X	
	Track Course = Enter Course Here		3-4											X	
	Track Course = Enter Course Here		3-4											X	
	HHS Lecture		2			2									
	HHS Lab or PAC		1			1									
	Biology + Lab		4											X	
	Perspective (Western Culture)		3						3						
	Perspective (Cultural Diversity)		3							3					
	Perspective (Literature & Arts)		3											X	
	Perspective (Social Processes and Institutions)		3											X	
	Difference, Power & Discrimination		3											X	
	CS 391 (Any STS Synthesis Course < Fall 2009) -Junior		3											X	
	Synthesis (Contemporary Global Issues)-Junior		3											X	
	CREDITS FROM BACK PAGE				0	0	0	0	0	0	0	0			
	TOTAL CREDITS PER TERM				13	14	16	0	14	14	14	0			
					F 09	W 10	Sp 10	Su 10	F 10	W 11	Sp 11	Su 11			

ELECTRICAL AND COMPUTER ENGINEERING (ECE)

P Winter 2010: _____
 I Spring 2010: _____
 N Fall 2010: _____

Reviewed by: _____ Date: _____

Course	(write number of credit hours in boxes below)							
	F 09	W 10	Sp 10	Su 10	F 10	W 11	Sp 11	Su 11
O T H E R								

PRO-ECE TRACK COURSES (Subject to Change)

Course	CR	Pre-Req	Term
ECE 317 (416) - Semicond. Devices I	3	calculus, physics & chemistry, ENGR 201	Fall
ECE 331 - Elect-Mech Energy Conv (EE) (Lab Course)	4	ECE 390, ENGR 202, (ENGR 211)	Winter
ECE 390 - Elect. & Mag. Fields (EE)	4	MTH 255, con=ENGR 203	Fall
ECE 417 - Semicond. Devices II	3	ECE 416/ECE 317(old #)	Winter
ECE 418 - Semicond Processing (Lab Course)	4	ECE 416/ECE 317/equivalent	Spring
ECE 422 - CMOS Analog Integrated Cir I	4	ECE 322, con=ECE 323	Fall
ECE 423 - CMOS Analog Integrated Cir II	4	ECE 422	Winter
ECE 431 - Power Electronics (Lab Course)	4	ECE 322, ECE 351, con=ECE 323, (3-phase power)	Fall
ECE 432 - Electro-Mech Machines (Lab Course)	4	ECE 331, (R-ENGR 212)	Spring 2011
ECE 433 - Power Sys Analysis	4	ECE 323, ECE 352, (three-phase power)	Spring
ECE 438 - Electric & Hybrid Vehicles	4	ENGR 202, ENGR 212	Spring 2010
ECE 451/ME 430-Sys Dynamics & Controls (Lab Course)	4	(ENGR 212, ECE 351, ECE 352)/ME 317	Fall, Winter
ECE 461 - Communications I	4	ECE 351, ECE 352, ECE 353	Winter 2010
ECE 462 - Communications II	4	ECE 461, ECE 351, ECE 352, ECE 353	Spring 2010
ECE 463 - Wireless Comm. Ntwrk	4	ECE 351, ECE 352	Not offered
ECE 464 - Digital Signal Processing	4	ECE 351, ECE 352	Winter
ECE 468 - Image Processing	4	ECE 351, ECE 352	Winter 09, Fall 09
ECE 471 - Advanced Digital Logic & Int. Circuit Design	4	ECE 322, ECE 323, ECE 375	Winter
ECE/(CS) 472 - Comp. Architecture	4	ECE 375	Fall, Spring
ECE 473 - Miccomp. Sys Design (Lab Course)	4	ECE 322, ECE 375, CS 261	Fall
ECE 474 - VLSI System Design	4	ECE 322, ECE 375	Spring 09, Spring 10
ECE 476 - Adv Comp Networks	4	ECE 372/CS 372/ECE 465 (old #)	Winter
ECE 477 - Multimedia Systems	4	ECE 375	Spring
ECE 478 - Network Security	4	computer networks, operating systems	Not offered
ECE 482/Ph 482 - Optical Elec Sys (Lab Course)	4	ECE 391/PH 481/equivalent	Fall
ECE 483/PH 483 - Guided Wave Optics (Lab Course)	4	ECE 391/PH 481/equivalent	Spring
ECE 484 - Antennas & Propagation	4	ECE 390, ECE 391	Not Offered
ECE 485 - Microwave Design Tech (Lab Course)	4	ECE 390, ECE 391	Not Offered
ECE 499 - Engineering Magnetics	3	ECE 390	Fall 09
ECE 499 - Sensors	4	ECE 322 & 323	Spring 10
ECE 499 - CMOS Image Detect & Sensor	4	ECE 323	Winter
ECE 499 - Material Scienc of Nanotechnology	3	ECE 317/416 or ENGR 321/equivalent	Spring 2009
ECE 530 - Contemp Energy Applications	4	Instructor Consent	Fall 2008
ECE 550 - Linear Systems	4	ECE 351, 352	Fall
CS 311 - Operating Systems I	4	CS 261, ECE 271, (R - C Programming)	Fall, Winter, Summer
CS 331 - Intro to Artificial Intelligence	4	CS 325	Spring
CS 411 - Operating Systems II	4	CS 311, ECE 375	Fall, Spring
CS 434 - Machine Learning & Data Mining	4	CS 325	Fall
CS 450 - Intro to Computer Graphics	4	MTH 306	Fall
ENGR 211 - Statics	3	MTH 252, con=MTH 254, Soph	Fall, Winter, Spring
ENGR 212 - Dynamics	3	ENGR 211, PH 211	Fall, Winter, Spring
ME 311 - Thermo, Fluids, Heat Trnsfr	4	MTH 256, ENGR 212	Fall, Winter
ME 317 - Intermediate Dynamics	4	MTH 256, ENGR 212, Petition	Winter
CH 411 - Inorganic Chemistry	3	CH 201, 202, 205	Fall, Winter
ChE 444 - Thin Film Mat'l Processing	4	check with instructor	Winter
PH 314 - Modern Physics	4	PH 213, co=MTH 256	Fall, Spring
PH 481 - Physical Optics	4	PH 431 or ECE 390	Winter

Click Here to Select ECE Track → →

Computer & Network

Energy Systems

Generalist

High Frequency Systems & Applied Electromagnetics

Integrated Circuits

Materials and Devices

Optoelectronics

RF Communications

Robotics & Control

Self-Designed

Systems, Signals, & Communications

Undecided