

Name: \_\_\_\_\_

ID: \_\_\_\_\_

Revised 09/04/2008

	Required Course	Pre-Req	CR	Done (X)	(write number of credit hours in boxes below)								Later (X)	
					Su 08	F 08	W 09	Sp 09	Su 09	F 09	W 10	Sp 10		
ELECTRICAL AND COMPUTER ENGINEERING (ECE)	ECE 111	con=MTH 111 Recommended	3											
	ECE 112	MTH 111/MTH 251/MPT>=17	3											
	ECE 271	con=MTH 251 or MTH 231	3											
	ECE 272	(ECE 112/ENGR 201), con=ECE 271	1											
	CH 201	con=MTH 111	3											
	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											
	MTH 255	MTH 254	4											
	MTH 256	MTH 254	4											
	MTH 306	MTH 252	4											
	MTH 231	MTH 112	4											
	CS 161	con=MTH 231	4											
	CS 162	CS 161, MTH 231	4											
	CS 261	CS 162, (MTH 231)	4											
	PH 211	MTH 251	4											
	PH 212	MTH 252, PH 211	4											
	PH 213	MTH 254, PH 212	4											
	ENGR 201	MTH 251, MTH 252	3											
	ENGR 202	ENGR 201	3											
	ENGR 203	ENGR 201, ENGR 202, MTH 256	3											
	ENGR 390	Sophomore in CoE (MTH 252)	3											
	WR 121	Last Name (A-G=Fall, H-N=Winter, O-Z=Spring)	3											
	WR 327	WR 121	3											
	COMM 111/114		3											
	ECE 322	ENGR 203	4											
	ECE 323	ECE 322	4											
	ECE 351	ENGR 203, MTH 256	3											
	ECE 352	ECE 351, MTH 306	4											
	ECE 353	ECE 351, MTH 254	3											
	ECE/CS 372	CS 261, ECE 271, (C Programming/Unix)	4											
	ECE 375	ECE 271, (C/C++ PROGRAMMING)	4											
	ECE 391X	ENGR 203, MTH 254, MTH 256	3											
	ECE 441	ECE 322, ECE 351, (CS 261/ECE 375)	2											
	ECE 442	ECE 441 (taken same academic year)	2											
	ECE 443	ECE 442 (taken same academic year)	2											
	<b>ECE TRACK SPECIFIC COURSES (30 crs):</b>													
		Track Course =		3-4										
	Track Course =		3-4											
	Track Course =		3-4											
	Track Course =		3-4											
	Track Course =		3-4											
	Track Course =		3-4											
	Track Course =		3-4											
	Track Course =		3-4											
	HHS Lecture (Last Name: O-Z=Fall, A-G=Winter, H-N=Spring)		2											
	HHS Lab		1											
	Biology + Lab		4											
	Perspective (Western Culture)		3											
	Perspective (Cultural Diversity)		3											
	Perspective (Literature & Arts)		3											
	Perspective (Social Processes and Institutions)		3											
	Difference, Power & Discrimination		3											
	Synthesis (Science, Technology, & Society)-Junior		3											
	Synthesis (Contemporary Global Issues)-Junior		3											
	<b>CREDITS FROM BACK PAGE</b>													
<b>TOTAL CREDITS PER TERM</b>														

P FALL 2008: \_\_\_\_\_  
 I WINTER 2009: \_\_\_\_\_  
 N SPRING 2009: \_\_\_\_\_

Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_

Course		(write number of credit hours in boxes below)							
		Su 08	F 08	W 09	Sp 09	Su 09	F 09	W 10	Sp 10
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 352, con=ECE 323, (3-phase power)	Fall
ECE 432 - Electro-Mech Machines (Lab Course)	4	ECE 331, (R-ENGR 212)	Spring 2009
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-Ctrl Eng Dsgn I (Lab Course)	4	(ENGR 212, ECE 351, ECE 352)/ME 317	Fall, Winter
ECE 461 - Communications I	4	ECE 351, ECE 352, ECE 353	Fall
ECE 462 - Communications II	4	ECE 461, ECE 351, ECE 352, ECE 353	Winter
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 271, ECE 375, (R - Beginning Verilog/VHDL)	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, Winter 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	Spring 2009
ECE 499 - Engineering Magnetics	3	ECE 390	Spring 09, Fall 09
ECE 499 - Sensors	4	ECE 322 & 323	Winter 09, Spring 10
ECE 499 - Digital Integrated Circuits	4	ECE 323	Winter
ECE 499 - Material Scienc of Nanotechnology	3	ECE 317/416 or ENGR 321/equivalent	Spring 2010
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 254	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