

2013-15 (Quarter System) Catalog - Transition Worksheet for Electrical Engineering (EE)

Quarter System Course Requirements			Semester Equivalent Courses		
Term	REQUIRED LOWER DIVISION COURSES (14 units or equivalent)		Course Number	Notes	
	ECE 160	Introduction to Engineering	ECE 1618	Also listed as ENGR 1618	
			ECE 1628	Also listed as ENGR 1628	
	CMPS 150	Introduction to Unix	CMPS 2010	CMPS 150 + 221 + first part of 222	
	CMPS 221	Programming Fundamentals			
	CMPS 224	Assembly Language Programming	CMPS 2240		
Term	REQUIRED UPPER DIVISION COURSES (41 units or equivalent)		Course Number	Notes	
	ECE 304	Signals and Systems I	ECE 3040	ECE 304 + 330	
	ECE 330	Signals and Systems II			
	ECE 307	Analog Circuits	ECE 3070		
	ECE 320	Digital Circuits	ECE 3200	Requires ENGR 207	
	ECE 332	Fields and Waves	ECE 3320		
	ECE 337	Fundamentals of Power Systems	ECE 3370		
	ECE 423	Digital Communications	ECE 3230		
	ECE 490A	Senior Project I	ECE 4910		
	ECE 490B	Senior Project II	ECE 4928	GE Capstone course	
Term	ELECTIVE UPPER DIVISION COURSES (15 units or equivalent)		Course Number	Notes	
	Choose from ECE 322, 336, 420, 422, 424, 432, 433, 434, 446, 447, 457, 464				
	ECE		ECE		
	ECE		ECE		
	ECE		ECE		
Term	REQUIRED COGNATE COURSES (63 units or equivalent)		Course Number	Notes	
	MATH 201 AND	Calculus I (or MATH 231 Calculus I for Eng.)	MATH 2310 or 2510	MATH 201/231 + part of MATH 202/232	
	MATH 202	Calculus II (or MATH 232 Calculus II for Eng.)			
	MATH 203	Calculus III (or MATH 233 Calculus III for Eng.)	MATH 2320 or 2520	Rest of MATH 202/232 + most of MATH 203/233	
	MATH 204	Calculus IV (or MATH 234 Calculus IV for Eng.)	MATH 2530	Rest of MATH 203/233 + 204/234	
	MATH 330	Linear Algebra (or MATH 230 Linear Alg. & App.)	MATH 2610		
	MATH 340	Probability Theory	MATH 3200		
	CHEM 211	Principles of General Chemistry I	CHEM 1000		
	PHYS 221	Classic Physics I	PHYS 2210	Calc I is now a prereq	
	PHYS 222	Classic Physics II	PHYS 2220	Calc II is now a prereq	
	PHYS 223	Optics and Modern Physics	PHYS 2230		
	ENGR / PHYS 207	Electric Circuits	ECE / ENGR 2070	Also listed as PHYS 2070	
	PHIL 316	Professional Ethics (GE Theme 2)	PHIL 3318	GE Upper-Division Area C	

Note: This is purely an advisory worksheet provided for student convenience during the quarter-to-semester transition. Consult a department advisor if you have questions.