

**Approved Tech Electives for EE major**
**pre-requisites**

	MAT 1236	PHY 1121	PHY 1123	MAT 2401	MAT 3237	MAT 3238	EE 1210	EE 2726	EE 2727	EE 3028	CSC 1230	EE 3550	EE 3722	EE 3760	EE 4310	other
															or 3315	
EE 3500 Introduction to Power Systems (5)	x				x			x	X							
EE 3510 Intro to Power Electronics (4)	x				x			x	x				X			
EE 4311 Optics and Lasers (5)	x	x	x	x	x	x									X	
EE 4450 Control System Design (5)	x	x	x		x			x	x	X						
EE 4560 Wireless Communication Systems (5)	x	x	x		x			x	x			X				
EE 4960 Senior Project (1-5)																
EGR 2891 Statics (4)		X														
EGR 2500 Thermodynamics-Fluids I (5)																co-req PHY 1122
EGR 3611 ASE I:Alternative Energy Systm (5)	x							X								
EGR 3612 ASE II: Hydro-Systems (4)		X														
EGR 3800 Biomedical Engineering I (5)	x							X								Biology
EGR 3400 Dynamics (5)	x	X		X	X											
EGR 3310 Mechanics of Materials (4)		x									X					EGR 2891
CPE 4750 Computer Networks (5)							x				x			X		
CPE 3350 Operating Systems Programming (3)							x				x			X		CSC 2431
CPE 4350 Advanced Operating Systems (3)							x				x					CPE 3350
CPE 4760 Advanced Computer Architecture (5)							x				x			X		
CSC 4800 Adv Issues in Comp Sci (3-5)																
MAT 3724 Applied Analysis (3)	x			x	X	X										
PHY 3311 Advanced Physics Lab (3)		x	X													
PHY 3312 Advance Physics Lab (3)																PHY 3311
PHY 3313 Advanced Physics Lab (3)																PHY 3312
PHY 3401 Thermodynamics (5)		x	X		X											
PHY 3841 Dynamics (5)	X			X	X											
PHY 4315 Electricity and Magnetism II (3)	x	x	x	x	x	x									X	

X -- listed prerequisite

x -- implied prerequisite

**Note: This document is provided your convenience. The SPU catalog and the course syllabi take precedence over this document!**