

Department of Electrical and Computer Engineering

Electrical Engineering Program

Possible 4 Year Course Plan

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
Math / Science Requirements											
CALCULUS			LIN	DIF	CALC			APPL			
MTH	MTH	MTH	ALG	EQ I	IV			STATS			
251	252	253	MTH	MTH	MATH			STAT			
			261	256	254			451			
PHYSICS			CHEM			SOLID					
PH	PH	PH	CH			STATE					
211/221	212/222	213/223	CH			PH					
PH 214	PH 215	PH 216	221			319					
			CH 227								
Engineering / Computer Science Requirements											
DIGI	COMP	ENGR	ELEC	SIG	SIG	ELECTRONICS			SENIOR ECE ELECTIVES		
CIRC	EAS 102	PROB	CIRC	SYST I	SYST II	I	II	III	A	A	A
ECE	OR	SOLV	ECE	ECE	ECE	ECE	ECE	ECE			
171	CS 161	EAS 101	221 &	222 &	223 &	321 &	322 &	323 &			
			201	202	203	301	302	303		DESIGN	
				DIG		ECE	ENG	ENG	A	PROJ	A
				SYST		JUNIOR	EMAG I	EMAG II		ECE	
				ECE		ELECT	ECE	ECE	DESIGN		DESIGN
				271		FEED &	331	332	ECE 411		ECE 413
						CONT	ECE				
						ECE	JUNIOR				
						311	ELECT				
General Education Requirements (see reverse side)											
FRESHMAN INQUIRY			SOPHOMORE INQUIRY								
UNST	UNST	UNST	UNST	UNST	UNST	TECH			PRIV	UNST	UNST
101	102	103	299	299	299	WR			PUBLIC	UP DIV	UP DIV
						WR 227			INVEST	CLUST	CLUST
									EC 314U		

EXPLANATION

CREDIT HOURS

1	A—APPROVED SENIOR ECE ELECTIVE	STUDENTS MAY SUBSTITUTE PHYSICS 211-213 FOR	2007-2008
2	ECE 411 & 412 FULFILL UNST CAPSTONE	PHYSICS 221-223	
3	SHADED AREA = CORE REQUIREMENTS	ECE JUNIOR ELECTIVE CHOICES ARE: ECE 351, ECE 371,	
4		ECE 372, ME 321	
		REFER TO BACK PAGE FOR GEN. ED. REQ	

Undergraduate Engineering Programs

General Education Requirements

There are **two** (2) separate sets of general education requirements:

1. University Requirements
2. Maseeh College of Engineering and Computer Science (MCECS) Requirements

You must satisfy **BOTH** sets of requirements.

University Requirements

- A. Freshman entering with 29 or fewer prior university/college credits must complete all University Studies Requirements, including freshman and sophomore inquiry sequences and upper division cluster courses.
- B. Continuing and transfer students with 30-44 prior university/college credits must complete the following program:
 - Transfer Transition Course UnSt 201-210
 - University Studies beginning with Sophomore Inquiry
- C. Continuing and transfer students with 45-89 prior university/college credits must complete the following program:
 - Sophomore Inquiry: 45-59 credits, three courses; 60-74 credits, two courses; 75-89 credits, one course. The upper division cluster must be linked with one of these Sophomore Inquiry courses.
- D. Continuing and transfer students with 90 or more prior university/college credits must complete the following program:
 - University Studies requirements beginning with Upper Division Cluster courses. It is strongly recommended that students also take the single Sophomore Inquiry course that is linked to the chosen Upper Division Cluster.
- E. Bachelor of Science degree requires a minimum of 12 credits of Arts & Letters or Social Science distribution areas. See the *PSU Bulletin* for complete University Requirements for BS degrees.

Complete details of University Studies program can be found in the Schedule of Classes.

Maseeh College of Engineering and Computer Science General Education Requirements

- a) Freshmen satisfy the PSU general education requirement with the University Studies Program.
- b) Transfer students must have a minimum of 39 credits of University Studies courses and/or arts and letters/social science courses at their previous college or at PSU prior to graduation. 12 of these credits are upper division cluster courses that must be taken at PSU.
- c) Transfer students who have not taken Freshman Inquiry must have completed SP 100 (or equivalent) and WR 121 as part of the 39 credits of arts and letters/social sciences.
- d) All engineering students must complete EC 314U Public and Private Investment. Students may use EC 314U as a University Studies course in the Community Studies Cluster, the Knowledge, Rationality, and Understanding Cluster, or the Professions and Power Cluster.
- e) Technical Writing (WR 227) is a separate requirement in addition to the 39 credits of University Studies courses and/or Liberal Arts/Social Science courses.

Students should consult with the undergraduate advisor regarding these requirements.

Last updated: 12/2007