

Portland State University

Electrical Engineering

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	221				PH					
PH 214	PH 215	PH 216	CH 227				319					
Engineering / Computer Science Requirements												
DIGI	ENGR	ENGR	ELEC	SIG	SIG	ELECTRONICS			SENIOR ECE ELECTIVES			
CIRC	COMP	PROB	CIRC	SYST I	SYST II	I	II	III	A	A	A	
ECE	EAS 102	SOLV	ECE	ECE	ECE	ECE	ECE	ECE				
171	OR	EAS 101	221 &	222 &	223 &	321 &	322 &	323 &				
	CS 161		201	202	203	301	302	303	A	DESIGN	A	
				DIG		ECE	ENG	ENG	A	PROJ	A	
				SYS		JUNIOR	EMAG I	EMAG II		ECE		
				ECE		ELECT	ECE	ECE	DESIGN	412	DESIGN	
				271			331	332	ECE 411		ECE 413	
						FEED &	ECE					
						CONT	JUNIOR					
							ELECT					
						ECE						
						311						
General Education Requirements (see reverse side)												
FRESHMAN INQUIRY			SOPHOMORE INQUIRY			TECH			PRIV			
UNST	UNST	UNST	UNST	UNST	UNST	WR			PUBLIC	UNST	UNST	
101	102	103	299	299	299	WR 227			INVEST	UP DIV	UP DIV	
									EC 314U	CLUST	CLUST	

EXPLANATION

CREDIT HOURS

	1	A—SENIOR ECE ELECTIVE	STUDENTS MAY SUBSTITUTE PHYSICS 211-213	2007-08
	2	ECE 411 & 412 FULFILL UNST CAPSTONE	FOR PHYSICS 221-223	
	3	SHADED AREA —CORE REQUIREMENTS	ECE JUNIOR ELECT CHOICES ARE ECE 351, ECE 371,	
	4		ECE 372, ME 321	

General Education Requirements Undergraduate Engineering Programs Portland State University

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 arts and letters/social science courses.

Students should consult with their academic advisor or department chair regarding these requirements.