Department of Electrical and Computer Engineering

Computer 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 ALG MTH 261**	DIF EQ I MTH 256				APPL STATS STAT 451			
MTH 251	**MTH 252**	**MTH 253**									
PHYSICS			**CHEM**			SOLID STATE PH 319					
PH 211/221	**PH 212/222**	**PH 213/223**	**CH 221**								
PH 214	**PH 215**	**PH 216**	**CH 227**								
Engineering / Computer Science Requirements											
				INTRO TO CS II CS 162	DATA STRUC CS 163	PROG SYS CS 202			INTRO OPER SYS CS 333	B	DISCR STRUC CS 340
DIG CIRC ECE 171	**CS INTRO CS 161**	**ENGR PROB SOLV EAS 101**	**ELECT CIRC ECE 221 &**	SIG SYST I ECE 222 &	SIG SYST II ECE 223 &	ELECTRONICS I ECE 321 &	II ECE 322 &	III ECE 323 &	A	MICRO SYST ECE 485	A
			201	202	203	301	302	303	DESIGN ECE 411	DESIGN PROJ ECE 412	DESIGN ECE 413
				DIGI SYST ECE 271		MICRO PROC ECE 371	MICRO INTER FACE ECE 372	HDL ECE 351			
General Education Requirements (see reverse side)											
FRESHMAN INQUIRY			SOPHOMORE INQUIRY				TECH WR WR 227		PRIV PUBLIC INVEST EC314U	UNST UP DIV CLUST	UNST UP DIV CLUST
UNST 101	**UNST 102**	**UNST 103**	UNST 299	UNST 299	UNST 299						

EXPLANATION

CREDIT HOURS

1
2
3
4

A—APPROVED SENIOR ECE ELECTIVE

B—APPROVED CS UD ELECTIVE

SHADED AREA = CORE REQUIREMENTS

STUDENTS MAY SUBSTITUTE PHYSICS 211-213 FOR PHYSICS 221-223

ECE 411 & 412 FULFILL UNST CAPST

REFER TO BACK PAGE FOR GEN. ED. REQ

2007-2008

Portland State UNIVERSITY

Maseeh College of Engineering and Computer Science

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 Arts and Letters/Social Science courses.

Students should consult with the undergraduate advisor regarding these requirements.

Last updated: 12/2007 (sav)