

Portland State University

Mechanical 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	CALC	DIF			STATS				
MTH 251	MTH 252	ALG MTH 261	IV MTH 254	EQ I MTH 256			451				
CHEM	CHEM		PHYSICS								
CH 221	CH 222		PH 221	PH 222	PH 223						
CH 227	CH 228		PH 214	PH 215	PH216						
Engineering / Computer Science Requirements											
ENGR PROB SOLV EAS 101		ENGR GRAPH EAS 115	STATIC	STREN OF MAT	DYNAM	ENGR THERM	THERM FLUIDS	HEAT TRANS	DES ME 491	DES PROJECT	
			EAS 211	EAS 212	EAS 215	ME 321	ME 322	ME 323	DOE ME 488	ME 492	ME 493
			PROP OF MAT	ELECT	MFG PROC	FLUID MECH	MECH ANAL	DESIGN MACH	SYSTS DESIGN	ENGR MEAS	Approved ME Elective
			EAS 213	ECE	ME	EAS 361	ME 313	ME 314	ME 420 ME 437	ME 411	Approved ME Elective
				201	241	NUM	SYS DY	ENGR	Approved	Approve d ME	Approved ME Elective
						METH	MODEL	METAL	ME Elective	ME Elective	ME Elective
						ME 352	ME 351	ME 372			
								TECH RPT			
								WR 327			
General Education Requirements (see reverse side)											
FRESHMAN INQUIRY			SOPHOMORE INQUIRY			PRIV PUBLIC	UNST UP DIV				UNST UP DIV
UNST 101	UNST 102	UNST 103	UNST 299	UNST 299	UNST 299	INVEST EC314U	CLUST				CLUST

EXPLANATION

CREDIT HOURS

- 1
- 2
- 3
- 4

SHADED AREA—CORE REQUIREMENTS

STUDENTS MUST TAKE EITHER ME 420 OR ME 437

ME 491 & 492 FULFILL UNST CAPSTONE

STUDENTS MAY SUBSTITUTE

PHYSICS 211-213 FOR PHYSICS 221-223

2006-07

10/25/06

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 detail for BS degrees.

Maseeh College of Engineering and Computer Science General Education Requirements

- a) Freshmen admitted beginning with the 1994-95 academic year 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 Culture of Professions Cluster.

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