

ME 313 First Plan

Department of Mechanical and Materials Engineering

Mechanical Engineering Program

pdx.edu/mme/undergraduate-mme

Suggested 4 Year Course Plan

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
Math / Science Requirements											
CALCULUS		LINEAR	CALC	DIF			STAT				
MTH	MTH	ALG	IV	EQ I			353*				
251	252	MTH	MTH	MTH							
251	252	261	254	256							
CHEM	CHEM		PHYSICS								
CH	CH		PH	PH	PH						
221	222		221	222	223						
CH 227	CH 228		PH 214	PH 215	PH 216						
Engineering / Computer Science Requirements											
FRESHMAN ENGINEERING			STATICS	STREN	DYNAM	ENGR	FLUID	APPLIED	CAPSTONE		
ME 120	ME 121	ME 122	EAS 211	OF MAT	-ICS	THERMO	MECH	FLUID	ME 491	ME 492	ME 493
			ME 213	ELECT	MFG	ME 321	ME 320	THERMO	DOE	CONCEPT	DETAIL
			ME 213	CIRC	PROC	ME 313	ME 314	HEAT	ME 488	MEAS	ELECTIVE
				ECE 241	ME 241	ME 313	ME 314	TRANS	APPROVED	ME 411	APPROVED
						ME 350	ME 351	MODEL	ME ELECTIVE	ME ELECTIVE	ME ELECTIVE
								ME PROF	APPROVED	APPROVED	
								ME 370	ME ELECTIVE	ME ELECTIVE	
General Education Requirements											
FRESHMAN INQUIRY			SOPHOMORE INQUIRY			TECH		PRIV	UNST		UNST
UNST	UNST	UNST	UNST	UNST	UNST	REPORT		PUBLIC	UPPER		UPPER
1X1	1X2	1X3	2XX	2XX	2XX	WRITING		INVEST	DIVISION		DIVISION
						WR 327		EC 314U	CLUSTER		CLUSTER

EXPLANATION

CREDIT HOURS

1	ME 491 & 492 FULFILL UNST CAPSTONE	STUDENTS MAY SUBSTITUTE PHYSICS 211-213	2015-2016
2	SHADED AREA = CORE ADMISSION REQUIREMENTS	FOR PHYSICS 221-223	
3	TRANSFER STUDENTS WITH MORE THEN 30 CREDITS	Refer to the PSU Bulletin for General Education Requirements	
4	MUST COMPLETE WR 121 AND COMM 220 INSTEAD OF FRINQ	*We are currently transitioning to a ME-specific statistics course (STAT 353) that will prepare you adequately for ME 488. Note: If you have already taken STAT 451 prior to your junior year, it will fulfill the statistics requirement. If you have not, it is strongly advised that students take STAT 353.	10/7/15 TH



Maseeh College of Engineering and Computer Science

General Education Requirements Undergraduate Engineering Programs

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. Freshmen 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 30-89 prior university/college credits must complete the following program:
 - Sophomore Inquiry: 30-59 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.
 - Upper Division Cluster: three courses
- C. 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.

PLACEMENT FOR TRANSFER STUDENTS

CREDITS TRANSFERRED	UNIVERSITY STUDIES PLACEMENT
0-29 Credits	Freshman Inquiry
30-59 Credits	3 Sophomore Inquiries
60-74 Credits	2 Sophomore Inquiries
75-89 Credits	1 Sophomore Inquiries
90 or more credits	Upper Division Cluster

Maseeh College of Engineering and Computer Science General Education Requirements

- a) 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.
- b) Transfer students who have not taken Freshman Inquiry must have completed:
 - For Computer, Electrical, and Mechanical:** WR 121 and COMM 220 or equivalent course
 - For Civil and Environmental:** WR 121, WR 227, and COMM 100 or 220(recommended)
- c) All engineering students must complete EC 314U Public and Private Investment Analysis. Students may use EC 314U as a University Studies course in the Community Studies Cluster and the Knowledge, Values and Rationality.

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