

ME 320 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 251	MTH 252	ALG MTH 261	IV MTH 254	EQ I MTH 256					353*		
CHEM	CHEM		PHYSICS								
CH 221	CH 222		PH 221	PH 222	PH 223						
CH 227	CH 228		PH 214	PH 215	PH 216						
Engineering / Computer Science Requirements											
FRESHMAN ENGINEERING			STATICS	STREN	DYNAM	ENGR	APPLIED	SYS DYN	CAPSTONE		
ME 120	ME 121	ME 122		OF MAT	-ICS	THERMO	FLUID	MODEL	ME 491	ME 492	ME 493
			EAS 211	EAS 212	EAS 215	ME 321	THERMO	ME 351	DOE		ME 493
			PROP OF MAT	ELECT	MFG	FLUID	MECH	DESIGN	APPROVED	ENGR	APPROVED
			ME 213	CIRC	PROC	MECH	ANALYS	MACH	ME	MEAS	ME
				ECE 241	ME 241	ME 320	ME 313	ME 314	ELECTIVE	ME 411	ELECTIVE
						ME PROF	HEAT		APPROVED	APPROVED	
						ME 370	TRANS		ME	ME	
							ME 323		ELECTIVE	ELECTIVE	
							PROG.				
							ME 350				
General Education Requirements											
FRESHMAN INQUIRY			SOPHMORE INQUIRY			PRIV		TECH	UNST		UNST
UNST	UNST	UNST	UNST	UNST	UNST	PUBLIC		REPORT	UPPER		UPPER
1X1	1X2	1X3	2XX	2XX	2XX	INVEST		WRITING	DIVISION		DIVISION
						EC 314U		WR 327	CLUSTER		CLUSTER

EXPLANATION

CREDIT HOURS

1	ME 491 & 492 FULFILL UNST CAPSTONE
2	SHADED AREA = CORE ADMISSION REQUIREMENTS
3	TRANSFER STUDENTS WITH MORE THEN 30 CREDITS
4	MUST COMPLETE WR 121 AND COMM 220 INSTEAD OF FRINQ

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

2015-2016

Refer to the PSU Bulletin for General Education Requirements

*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.