ME 320 First Plan

Department of Mechanical and Materials Engineering

Mechanical Engineering Program

pdx.edu/mme/undergraduate-mme

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FRESHMAN				SOPHOMORE			JUNIOR			SENIOR		
F.	ALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING
					М	lath / Science	e Requiremer	nts				
	CALC	ULUS	LINEAR	CALC	DIF							
			ALG	IV	EQ I				STAT			
	1TH	MTH	MTH	MTH	MTH				353*			
2	251	252	261	254	256							
CI	HEM	CHEM			PHYSICS	_						
				РН	РН	PH						
(СН	СН		221	222	223						
	221	222		PH 214	PH 215	PH 216						
CI	H 227	CH 228										
Engineering / Computer Science Requirements												
F	RESHM	AN ENGIN	EERING	STATICS	STREN	DYNAM	ENGR	APPLIED	SYS DYN		CAPSTONE	
					OF MAT	-ICS	THERMO	FLUID	MODEL	ME 491	ME 492	ME 493
M	E 120	ME 121	ME 122					THERMO		DOE		
				EAS 211	EAS 212	EAS 215	ME 321	ME 322	ME 351	ME 488	CONCEPT	DETAIL
				PROP	ELECT	MFG	FLUID	MECH	DESIGN	APPROVED	ENGR	APPROVED
				OF MAT	CIRC	PROC	MECH	ANALYS	MACH	ME	MEAS	ME
				NE 012	ECE 041	NE 244	NE 220	ME 212	NE 214	ELECTIVE	NEE 414	ELECTIVE
				ME 213	ECE 241	ME 241	ME 320 ME PROF	ME 313 HEAT	ME 314	APPROVED	ME 411 APPROVED	
							ME PROF ME 370	TRANS		ME	ME	
							ME 370	IKAINS		ELECTIVE	ELECTIVE	
								ME 323		ELECTIVE	ELECTIVE	
								PROG.				
								ME 350				
								MIL 550				
					Ger	neral Educati	on Requirem	ents				
FRESHMAN INQUIRY				SOPHMORE INQUIRY			PRIV		TECH	UNST		UNST
							PUBLIC		REPORT	UPPER		UPPER
U	NST	UNST	UNST	UNST	UNST	UNST	INVEST		WRITING	DIVISION		DIVISION
	1X1	1X2	1X3	2XX	2XX	2XX	EC 314U		WR 327	CLUSTER		CLUSTER
						I					1	<u> </u>

EXPLANATION

2015-2016

SHADED AREA = CORE ADMISSION REQUIREMENTS FOR PHYSICS 221-223

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.

STUDENTS MAY SUBSTITUTE PHYSICS 211-213

10/7/15 TH



Maseeh College of Engineering and Computer Science

OF FRINQ

ME 491 & 492 FULFILL UNST CAPSTONE

TRANSFER STUDENTS WITH MORE THEN 30 CREDITS

MUST COMPLETE WR 121 AND COMM 220 INSTEAD

CREDIT HOURS

1

2

3

4

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.

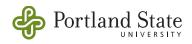
CREDITS TRANSFERRED	UNIVERSITY STUDIES PLACEMENT						
0-29 Credits	Freshman Inquiry						
30-59 Credits	3 Sophomore Inquiries						
60-74 Credits	2 Sophomore Inquiries						
75-89 Credits	1 Sophomore Inquiries						
90 or more credits	Upper Division Cluster						

PLACEMENT FOR TRANSFER STUDENTS

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.



Maseeh College of Engineering and Computer Science