

MECOP Course Plan

Department of Mechanical and Materials Engineering

Mechanical Engineering Program

pdx.edu/mme/undergraduate-mme

Portland State University

FRESH/SOPH			MECOP YEAR 1			MECOP YEAR 2			MECOP YEAR 3			
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	
Math / Science Requirements												
To be eligible for MECOP selection you need to have Junior standing and have completed required courses for admission to the upper division BSME program by fall term of MECOP Year 1			STAT 353*									
Engineering / Computer Science Requirements												
			MECH ANALYS ME 313	DESIGN MACH ME 314	M E C O P I N T E R N S H I P	ENGR THERMO ME 321	APPLIED FLUID THERMO ME 322	M E C O P I N T E R N S H I P	CAPSTONE			
			PROG. ME 350	SYS DYN MODEL ME 351		FLUID MECH ME 320/L	HEAT TRANS ME 323		ME 491 ME PROF ME 370	ME 492	ME 493	
			EAS 407			DOE ME 488	ENGR MEAS ME 411/L		APPROVED ME ELECTIVE	APPROVED ME ELECTIVE	APPROVED ME ELECTIVE	
									APPROVED ME ELECTIVE			
			6 Months			6 Months						
General Education Requirements												
			TECH REPORT WRITING WR 327				PRIV PUBLIC INVEST EC 314U				UNST UPPER DIVISION CLUSTER	UNST UPPER DIVISION CLUSTER

EXPLANATION

CREDIT HOURS

1	ME 491 & 492 FULFILL UNST CAPSTONE		*If you have taken STAT 451 prior to Fall 2016, it will fulfill the statistics requirement.	2016-2017
2	SHADED AREA = MECOP Internship (6 months each)			
3	EAS 407 – MECOP Seminar (0 credit)			
4	Refer to the PSU Bulletin for General Education Requirements			12/21/16 CS



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 27 credits of University Studies courses and/or Arts and Letters/Social Science courses at their previous college or at PSU prior in addition to the 12 credits of required 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 following clusters:
 - Community Studies
 - Design Thinking/Innovation/Entrepreneurship
 - Knowledge, Values and Rationality clusters.

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