

MECOP Course Plan

Department of Mechanical and Materials Engineering
 Mechanical Engineering Programs
 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 coursed 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	MECOP INTERNSHIP 6 MONTHS	ENGR THERMO ME 321	APPLIED FLUID THERMO ME 322	MECOP INTERNSHIP 6 MONTHS	CAPSTONE				
	PROG. ME 350	SYS DYN MODEL ME 351		FLUID MECH ME 320/L	HEAT TRANS ME 323		ME 491	ME 492	ME 493		
	EAS 407			ME PROF ME 370	ENGR MEAS ME 411/L		DOE ME 488				
							APPROVED ME ELECTIVE	APPROVED ME ELECTIVE	APPROVED ME ELECTIVE		
							APPROVED ME ELECTIVE				
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 Shaded Area = MECOP Internship (6 months each)
- 2 ME 491 & 492 fulfill UNST Capstone
- 3 EAS 407—MECOP Seminar (0 Credit)
- 4

Refer to the PSU Bulletin for General Education Requirements
 *If you have taken STAT 451 prior to Fall 2016, it will fulfill the statistics requirement.



2017-2018

Maseeh College of Engineering and Computer Science

General Education Requirements Undergraduate Engineering Programs

There are **two** (2) separate sets of general education requirements:

- University Requirements
- 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 courses 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 complete a minimum of 27 credits of University Studies courses and/or Arts and Letters/Social Science courses at either their previous college or PSU 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.

