MECOP Course Plan—AY 18-19

Department of Mechanical and Materials Engineering

Suggested 4 Year Course Plan

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 be eligible to apply to the BSME program for fall term of MECOP Year 1. To remain a MECOP selectee, you must be admitted to the BSME program and complete any admission conditions prior to fall.					MECOP INTERNSHIP 6 MONTHS			MECOP INTERNSHIP 6 MONTHS			
Engineering / Computer Science Requirements											
			PROP OF MAT ME 213/L	SVY MFC PROF ME 240/L		FLUID MECH ME 320/L	APPLIED FLUID THERMO ME 322		ME 491	ME 492	ME 493
			GEO MODEL ME 250/L	DESIGN MACH ME 314		ENGR THERMO ME 321	APPLIED FLUID THERMO ME 323		ME PROF ME 370		
			MECH ANALYS ME 313	SYS DYN MODEL ME 351			ENGR MEAS ME 411/L		DOE ME 488	APPROVED ME ELECTIVE	APPROVED ME ELECTIVE
			PROG. ME 350						APPROVED ME ELECTIVE		
			EAS 407						APPROVED ME ELECTIVE		
General Education Requirements											
				TECH REPORT WRITING WR 327		BA 306U OR EC 314U				UNST UP DIV CLUST	UNST UP DIV CLUST

CAPSTONE

EXPLANATION

CREDIT HOURS

1
2
3
4

Shaded Area = MECOP Internship (6 months each)

ME 491 & 492 fulfill UNST Capstone

EAS 407—MECOP Seminar (0 Credit)

2018-2019

Refer to the PSU Bulletin for General Education & Lower Divison BSME Requirements

***Note: MECOP students are prohibited from taking in-person courses during internship terms, per MECOP policy.

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 additional 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. Mechanical Engineering students must complete BA 306U Essentials of Finance or EC 314U Public & Private Investment Analysis.

- Students may use BA 306U as a University Studies course in the following cluster:
  - Design Thinking/Innovation/Entrepreneurship
- Students may use EC 314U as a University Studies course in the following clusters:
  - Community Studies
  - Design Thinking/Innovation/Entrepreneurship
  - Knowledge, Values and Rationality

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

Portland State UNIVERSITY

Maseeh College of Engineering and Computer Science