

Upper Division 3 Year Course Plan

Department of Mechanical and Materials Engineering

Mechanical Engineering Programs

pdx.edu/mme/undergraduate-mme

Portland State University

FRESH/SOPH			JUNIOR YEAR 1			JUNIOR YEAR 2			SENIOR YEAR							
FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING	FALL	WINTER	SPRING					
Math / Science Requirements																
<p>This course is for students formally admitted into the upper division BSME program.</p> <p>Please note that EC 314U, WR 327, UD Cluster (2), may be taken during the summer term. If taken during the summer, the maximum classes per term is two (8 credits).</p>						<p>STAT 353*</p>										
Engineering / Computer Science Requirements																
			<p>MECH ANALYS ME 313</p>		<p>DESIGN MACH ME 314</p>		<p>ENGR THERMO ME 321</p>		<p>APPLIED FLUID THERMO ME 322</p>		<p>HEAT TRANS ME 323</p>		CAPSTONE			
											<p>ME 491</p>		<p>ME 492</p>		<p>ME 493</p>	
					<p>PROG. ME 350</p>		<p>SYS DYN MODEL ME 351</p>		<p>FLUID MECH ME 320/L</p>		<p>ENGR MEAS ME 411/L</p>		<p>APPROVED ME ELECTIVE</p>		<p>APPROVED ME ELECTIVE</p>	
			<p>ME PROF ME 370</p>								<p>DOE ME 488</p>					
General Education Requirements																
						<p>TECH REPORT WRITING WR 327</p>		<p>PRIV PUBLIC INVEST EC 314U</p>		<p>UNST UPPER DIVISION CLUSTER</p>						
						<p>UNST UPPER DIVISION CLUSTER</p>										

EXPLANATION

CREDIT

HOURS

	1
	2
	3
	4

ME 491 & 492 fulfill UNST Capstone

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.

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.

