

PROFESSIONAL MECHANICAL ENGINEERING – 3 year MECOP Typical Curriculum	Term Offered	Credits		
		Fall	Winter	Spring
Junior Year				
ME 316 Mechanics of Materials	F	3		MECOP INTERNSHIP
ME 317 Intermediate Dynamics	W		4	
ME 311 Intro to Thermal-Fluid Sciences	F,W	4		
ME 331 Introductory Fluid Mechanics	W,S		4	
ME 373 Mechanical Engineering Methods	W		3	
ME 382 Introduction to Design	F	4		
ME 383 Mechanical Component Design	W		4	
ENGR 321 Materials Science	F,W	4		
ENGR 407 MECOP Seminar	F	1		
Possible Credit Hours per Term		16	15	
			Total=31	
1st Senior Year				
ME 312 Thermodynamics	W,S		4	MECOP INTERNSHIP
ME 332 Heat Transfer	F,S	4		
ME 430 Systems Dynamics and Control	F,W	4		
ENGR 322 Mechanical Properties of Materials	W,S		3	
Restricted ME Design & Analysis Electives	ALL	3	4	
EC 201/202	ALL	4		
Synthesis – Contemporary Global Issues	ALL		3	
ENGR 407 MECOP Seminar	F	1		
Possible Credit Hours per Term		16	14	
			Total=30	
2nd Senior Year				
ME 451 Instrumentation/Measurement Systems	F,S	4		Graduate Winter Term or Take Remaining Courses
ME 418, ME 419 Senior Design Project (Writing Intensive Course)	F,W	4	4	
Synthesis – Science, Technology, & Society	ALL		3	
Difference, Power and Discrimination	ALL	3		
Restricted ME Design & Analysis Electives	ALL		4	
Approved Laboratory Course	W, S		4	
Possible Credit Hours per Term		11	15	
			TOTAL=26	