

**MECHANICAL
ENGINEERING**

For students entering Fall 2009 or later
updated 10/2012

Name _____
ID Number _____

FRESHMAN FALL	1	MATH 121 4cr Calculus I	ENGR 100 1cr CADD	CHEM 101 3.5cr Chemistry I	ENGR 101 2cr Design Lab I	CS 121 1cr Computational Lab I	ENGL 101 3cr	UNIV 101 1cr	
FRESHMAN WINTER	2	MATH 122 4cr Calculus II math 121	PHYS 101 4cr Physics I math 121	CHEM 102 4.5cr Chemistry II chem 101	ENGR 102 2cr Design Lab II	CS 122 1cr Computational Lab II	ENGL 102 3cr engl 101	UNIV 101 .5cr	CO-OP 001 0cr Co-op Tools
FRESHMAN SPRING	3	MATH 200 4cr Multi Variable Calc math 122	PHYS 102 4cr Physics II phys 101	BIO 141 4.5cr Biology I chem 102	ENGR 103 2cr Design Lab III	CS 123 1cr Computational Lab III	ENGL 103 3cr engl 102	UNIV 101 .5cr	
SOPHOMORE FALL/SPRING	4	ENGR 231 3cr Linear Engr Systems math 122	PHYS 201 4cr Physics III phys 102	ENGR 220 4cr Materials chem 102, math 122	ENGR 201 3cr EPED I phys 101, eng 103, math 122	MEM 202 3cr Statics phys 101			
SOPHOMORE WINTER/SUMMER	5	ENGR 232 3cr Dynamic Engr Systems enr 231	ENGR 210 3cr Intro to Thermo math 122, phys 101	MEM 238 4cr Dynamics math 200, mem 202	ENGR 202 3cr EPED II enr 201	MEM 201 3cr Fund of CAD soph+			
PRE-JUNIOR FALL/SPRING	6	Free Elective 3cr+	MEM 230 4cr Mech of Mat mem 202	MEM 310 4cr Thermo Anal enr 210	HIST 285 3cr Hist of Tech soph+	CIVE 240 3cr Engr Econ soph+			
PRE-JUNIOR WINTER/SUMMER	7	MEM 255 4cr Intro to Controls enr 231 & 232, mem 238	MEM 333 3cr Mech Beh of Mat mem 230	MEM 220 4cr Fluid Mech math 200	MEM 331 2cr Exp Mech Lab mem 238, mem 230(+)	PHIL 315 3cr Eng Ethics pre-junior+			
JUNIOR FALL/SPRING	8	MEM 355 4cr Control Design mem 255	MEM 435 4cr CAD/CAM jr+, mem201	MEM 345 4cr Heat Transfer enr210,mem220	MEM 311 2cr Ther FI Sci Lab mem 220, mem 310	MEM Fundamental Elective 3/4cr			
JUNIOR WINTER/SUMMER	9	MEM 361 3cr Eng Reliab enr 231/jr+ standing	MEM Fundamental Elective 3/4cr	MEM Fundamental Elective 3/4cr	MEM 351 2cr Dynamic Sys Lab mem 255	General Education Elective 3cr			
SENIOR FALL	10	MEM 491 3cr Sr Design Sr+, 230,238,345,355	MEM Fundamental Elective 3/4cr	MEM/CoE Elective 3cr	Math / Science Elective	General Education Elective 3cr			
SENIOR WINTER	11	MEM 492 3cr Sr Design mem 491	MEM Elective	MEM/CoE Elective 3cr	Math / Science Elective	General Education Elective 3cr			
SENIOR SPRING	12	MEM 493 3cr Sr Design mem 492	MEM Elective	Free Elective 3cr+	General Education Elective 3cr				

Dept Advisor

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(+/-) indicates can be taken prior to or with this class

FREE ELECTIVES (2): any two three-credit courses offered at Drexel

MEM Fundamental (4): a minimum of four from the following: MEM 320, 330, 410, 417, 423, 431, 437, 440, 458, 459

MEM Open (2): any two MEM 300+ courses

MEM or COE (2): any two MEM or COE 300+ courses

Math/Science (2): any two 300+ courses from Math, Biology, Chemistry, Physics, Chemical Engineering, Environmental Science

General Education (10): ENGL 101, 102, 103, HIST 285, CIVE 240, PHIL 315, plus 4 courses. See an advisor for a list of courses, or visit

http://www.drexel.edu/engineering/resources/current_undergrad/electives/liberal_studies_electives/

Minimum credits required to graduate: 192.5