

**MECHANICAL
ENGINEERING**

For students entering Fall 2009 or later
updated 10/2012

Name _____
ID Number _____

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

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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 Elective (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