Rose-Hulman Institute of Technology
Mechanical Engineering Curriculum Flowchart

Student: _____

Keys: Prerequisite — Co-requisite ↑ ME/EM courses offered this quarter only

R	= R Recitation Hrs. / Wk.
L	= L Laboratory Hrs. / Wk.
C	= C Credit Hour Course

Fresh Yr Fall Qtr	Fresh Yr Winter Qtr	Fresh Yr Spring Qtr	Soph Yr Fall Qtr	Soph Yr Winter Qtr	Soph Yr Spring Qtr	Junior Yr Fall Qtr	Junior Yr Winter Qtr	Junior Yr Spring Qtr	Senior Yr Fall Qtr	Senior Yr Winter Qtr	Senior Yr Spring Qtr
Rhetoric & Composition RH 131 (4, 0, 4)							Technical Communications RH 330 (4, 0, 4)			Free Elective ** (?, ?, 4)	
Fall or Winter							Winter or Spring				
HSS Elective (4, 0, 4)			HSS Elective (4, 0, 4)	HSS Elective (4, 0, 4)	HSS Elective (4, 0, 4)		HSS Elective (4, 0, 4)			HSS Elective (4, 0, 4)	HSS Elective (4, 0, 4)
Physics I (3.5, 1.5) PH 111 (4)	Physics II (3.5, 1.5) PH 112 (4)	Physics III (3.5, 1.5) PH 113 (4)		General Chem I (3) CM 111 (4)	General Chem II (3) CM 113 (4)	Free Elective ** (?, ?, 4)			Capstone Design I (2) ME 470 (3)	Capstone Design II (1) ME 471 (3)	Capstone Design III (1) ME 472 (3)
Calculus I (5, 0) MA 111 (5)	Calculus II (5, 0) MA 112 (5)	Calculus III (5, 0) MA 113 (5)	Differential Equations (4, 0) MA 211 (4)	Matrx Alg & Sys of DE's (4, 0) MA 212 (4)	Engrg Statistics I (4, 0) MA 223 (4)		Materials Engrg (4, 0) ME 328 (4)	Mach Comp Design (4, 0) ME 480 (4)	Technical Elective ** (?, ?, 4)		
			Electrical Systems (3, 3) ES 203 (4)			Thermo II (4, 0) ME 301 ‡ (4)	Design For Manufact (3, 0) ME 317 (3)	Capstone Design I (2) ME 470 (3)	Capstone Design II (1) ME 471 (3)	Capstone Design III (1) ME 472 (3)	
	St & Mech Mat'ls I (4, 0) EM 121 (4)					St & Mech Mat'ls II (4, 0) EM 204 (4)			Mach Comp Design (4, 0) ME 480 (4)		Technical Elective ** (?, ?, 4)
College & Life Skills (1, 0) CLSK 100 (1)		Intro Design (1, 3) EM 103 (2)	Cns & Acn Principles (4, 0) ES 201 (4)	Fluid Systems (2.7, 1) ES 202 ‡ (3)	Ana & Des Engrg Sys (3, 3) ES 205 § (4)	Vibration Analysis (3, 3) EM 406 (4)		Heat Transfer (4, 0) ME 302 (4)	Technical Elective ** (?, ?, 4)		Technical Elective ** (?, ?, 4)
Graph Comm (1, 2) EM 104 (2)				Mech Systems (2.7, 1) ES 204 ‡ (3)		OR Control Systems (3, 3) ME 406 (4)	Measurement Systems (3, 3) ME 321 (4)		Tech Elect (?R-?L-4C) and ME Lab ME 421 (0R-6L-2C) (6C)		Technical Elective ** (?, ?, 4)
		Computer Prog'ming (4, 0) ME 123 (4)					Winter or Spring		Fall or Winter		
							Math or Sci Elect† (4C) and Numerical Methods in Engrg ME 323 (1R-3L-2C) (6C)		Mechatronic Systems ME 430 (3, 3, 4)		
R + L	18.0	18.0	18.0	21.4	20.0	18.0	19.0	18.0	21.0	19.0	17.0
Cr Hrs	16	17	15	16	18	16	15 or 17	15, 16, 17, or 18	15 or 17	15 or 17	15 or 16
Cum Cr Hrs	16	33	48	64	82	98	114	(17) 131	(16) 147	(17) 164	(15) 179	(15) **194**

‡ Prerequisite grade of C or better is required in ES 201

§ Prerequisite grade of C or better is required in ES 203

** 28 credits in electives composed of 20 credits in technical electives and 8 credits in free electives. A technical elective is any course (at the 200 level or above) in chemistry, computer science, engineering, engineering management, geology, life science, mathematics, or physics that is not cross-listed with HSS or similar in content to a required course. † A math elective has an MA prefix. A science elective is any course in biology, chemistry, geology or physics except those courses that are cross-listed with an engineering course.

Updated: August 20, 2015