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, 4) PH 111	Physics II (3.5, 1.5, 4) PH 112	Physics III (3.5, 1.5, 4) PH 113		General Chem I (3, 3, 4) CM 111	General Chem II (3, 3, 4) CM 113	Free Elective ** (?, ?, 4)			Capstone Design I (2, 3, 3) ME 470	Capstone Design II (1, 4, 3) ME 471	Capstone Design III (1, 4, 3) ME 472
Calculus I (5, 0, 5) MA 111	Calculus II (5, 0, 5) MA 112	Calculus III (5, 0, 5) MA 113	Differential Equations (4, 0, 4) MA 211	Matrx Alg & Sys of DE's (4, 0, 4) MA 212	Engrg Statistics I (4, 0, 4) MA 223		Materials Engrg (4, 0, 4) ME 328		Mach Comp Design (4, 0, 4) ME 480	Technical Elective ** (?, ?, 4)	
			Electrical Systems (3, 3, 4) ES 203			App of Thermo (4, 0, 4) ME 301 ‡	Design For Manufact (3, 0, 3) ME 317		Capstone Design I (2, 3, 3) ME 470	Capstone Design II (1, 4, 3) ME 471	Capstone Design III (1, 4, 3) ME 472
	St & Mech Mat'ls I (4, 0, 4) EM 121					St & Mech Mat'ls II (4, 0, 4) EM 204			Mach Comp Design (4, 0, 4) ME 480		Technical Elective ** (?, ?, 4)
College & Life Skills (1, 0, 1) CLSK 100		Intro Design (1, 3, 2) EM 103	Cns & Acn Principles (4, 0, 4) ES 201	Fluid Systems (2.7, 1, 3) ES 202 ‡	Ana & Des Engrg Sys (3, 3, 4) ES 205 §	Vibration Analysis (3, 3, 4) EM 406 OR Control Systems (3, 3, 4) ME 406			Heat Transfer (4, 0, 4) ME 302	Technical Elective ** (?, ?, 4)	Technical Elective ** (?, ?, 4)
Graph Comm (1, 2, 2) EM 104				Mech Systems (2.7, 1, 3) ES 204 ‡			Measurement Systems (3, 3, 4) ME 321		Tech Elect (?R-?L-4C) and ME Lab (6C) ME 421 (0R-6L-2C)		Technical Elective ** (?, ?, 4)
		Computer Prog'ming (4, 0, 4) ME 123					Winter or Spring		Fall or Winter		
							Math or Sci Elect† (4C) and Numerical Methods in Engrg (6C) ME 323 (1R-3L-2C)		Mechatronic Systems (3, 3, 4) ME 430		
R + L 18.0	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	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: September 17, 2015