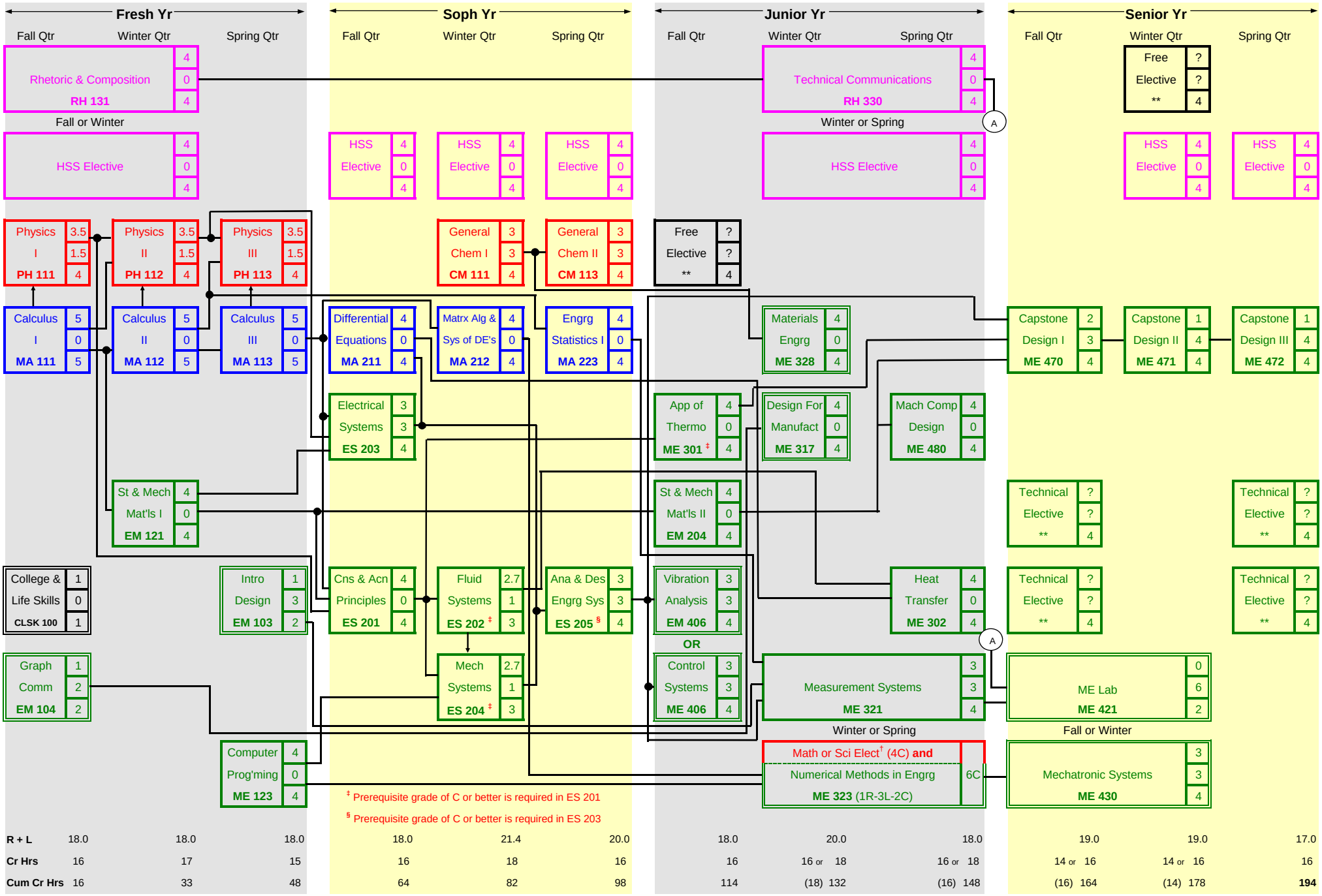
Rose-Hulman Institute of Technology
Mechanical Engineering Curriculum Flowchart

Current Y1/Y2/Y3 students (Entered Fall 2014 or later)

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



** 24 credits in electives composed of 16 credits in technical electives and 8 credits in free electives. A technical elective is any course (at the 200 level or above) in biomathematics, 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 or BMTH 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: June 17, 2016

Course		Main Offering	Alternate Quarters	Prerequisites
EM 103	Introduction to Design	Spring		--
EM 104	Graphical Communications	Fall		--
EM 121	Statics & Mechanics of Mat'ls I	Winter	Fall Spring	MA 111
EM 204	Statics & Mechanics of Mat'ls II	Fall	Winter Spring	EM 121
EM 406	Vibration Analy	Fall		ES 205
ES 201	Conserv & Accnt Principles	Fall	Winter	EM 121, MA 113, PH 111
ES 202	Fluid Systems	Winter	Spring	ES 201 with a grade of C or better
ES 203	Electrical Systems	Fall	Winter Spring	PH112, MA113, EM121
ES 204	Mechanical Systems	Winter	Spring	ES 201 with a grade of C or better; ME 123 or BE 100 or CSSE 120 (or equivalent). Coreq: ES 202
ES 205	Analy & Design of Engr Sys	Spring	Fall	ES 203 with a grade of C or better, or ECE 203 with a grade of C or better, ES 204, MA 211
ME 123	Computer Programming	Spring	Fall Winter	ME/PHOE major or permission of instructor
ME 301	Applications of Thermodynamics	Fall	Winter	ES 201 with a grade of C or better or CE205
ME 302	Heat Transfer	Spring	Fall	MA 211 and ES 202 or CHE 301 or EM 301
ME 317	Design for Manufacturing	Winter		EM 104
ME 321	Measurement Systems	Winter Spring	Fall (permission only)	EM 103, ES 205, MA 223
ME 323	Numerical Methods in Engrg	Winter Spring		ME 123 or CSSE 120, MA 212
ME 328	Materials Engineering	Winter		CHEM 111
ME 406	Control Sys	Fall		ES 205
ME 421	M.E. Lab	Fall Winter		ME 321 and RH 330
ME 430	Mechatronic Systems	Fall Winter		ME 323 or CSSE 220 or ECE 230
ME 470	Capstone Design I	Fall	Spring	ES205, EM204, ME301, and Junior Standing
ME 471	Capstone Design II	Winter	Fall	ME 470
ME 472	Capstone Design III	Spring	Winter	ME 471
ME 480	Machine Component Design	Spring	Fall	EM 204

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