Study Plan for B.S.E., *MECHANICAL ENGINEERING* Major

Student Name: _____

(2015-16 Catalog) ***(MTH 201 Placement with Honors - 4 Year Program***
Option 2: 12 credits over two semesters, including Live Learn Lead)

Student ID#: *G*

	1st Semester: Fall____	Credits	Grade	Semester Completed
1st Year	* MTH 201 Calculus I	4		
	* EGR 106 Intro to Egr Design I	3		
	HNR Interdisc Seq (Opt 2)	3		
	HNR Live Learn Lead	3		
		13		

	2nd Semester: Winter ____	Credits	Grade	Semester Completed
	* MTH 202 Calculus II	4		
	* EGR 107 Intro to Egr Design II	3		
	* STA 220 Engrg Statistics	2		
	* EGR 220 Engrg Stats Lab	1		
	HNR Interdisciplinary Seq	3		
	HNR Interdisc Seq (Opt 2)	3		
		16		

	Semester: S/S ____	Credits	Grade	Semester Completed
	* PHY 230 Physics I	5		
	* MTH 203 Calculus III	4		

PHY offered spring; MTH offered summer; or move MTH 203 to 3rd semester (fall)

	3rd Semester: Fall____	Credits	Grade	Semester Completed
2nd Year	+ * PHY 234/1 Physics II	4/5		
	* CHM 115 Chemistry I	4		
	* EGR 209 Mech & Mach	4		
	* EGR 289 Engrg Co-op Prep	1		

	4th Semester: Winter ____	Credits	Grade	Semester Completed
	* MTH 302 Lin Alg & DEQ	4		
	* EGR 309 Mach Design I	4		
	* EGR 312 Dynamics	3		
	* EGR 226 Intro Digital Sys	4		

	Semester: S/S ____	Credits	Grade	Semester Completed
	EGR 290 Engrg Co-op I	3		
	* EGR 214 Circuit Analysis I	4		
	_____	__		

	5th Semester: Fall____	Credits	Grade	Semester Completed
3rd Year	EGR 250 Mat Sci & Engrg	4		
	EGR 345 Dyn Sys Mod	4		
	EGR 360 Thermodynamics	4		
	HNR SBS _____	3		

	Semester: Winter ____	Credits	Grade	Semester Completed
	EGR 390 Engrg Co-op II	3		
	_____	__		

	6th Semester: S/S ____	Credits	Grade	Semester Completed
	EGR 365 Fluid Mechanics	4		
	EGR 409 Mach Design II	4		
	EGR 329 FEA	3		
	% ECO 210/211 Economics	3		

	Semester: Fall____	Credits	Grade	Semester Completed
4th Year	EGR 490 Engrg Co-op III	3		

	7th Semester: Winter ____	Credits	Grade	Semester Completed
	EGR 468 Heat Transfer	4		
	ME Elec _____	4		
	ME Elec _____	4		
	EGR 485 Sr Project I	1		

	8th Semester: S/S ____	Credits	Grade	Semester Completed
	EGR 486 Sr Project II	2		
	ME Elec _____	4		
	# GE - LS (BIO 105) _____	3		
	_____	__		

PCEC Student Services: (616)331-6025

* Engineering Foundation course
\+ Students may enroll in PHY 231 instead of PHY 234
\# Issues courses as well.
% ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS GenEd requirement.

Junior Seminar: can be taken when students have >=45 credits. Online seminars offered each semester.

If students do not have Advanced Placement credit applicable to the engineering curriculum, e.g., Calculus, Physics, and/or Chemistry, it is strongly recommended that they consider a 5-year plan.

Secondary Admissions Criteria:

- A GPA of 2.7 or above in the Engineering Foundation courses

- Completion of each course in the Engineering Foundation with a grade of C (2.0) or above, **with no more than one repeat**

- Completion of preparation for placement in the cooperative engineering education, EGR 289

Recommendation:

It is strongly encouraged that students do not begin or break a curriculum thread by taking courses at other institutions; e.g., take the MTH 201 equivalent elsewhere, return to GV and continue in the math thread with MTH 202.