

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

(2015-16 Catalog) (MTH 201 Placement with Honors (Making of Europe) - 4 Year Program
Option 3: 12 credits over four semesters)

1st Semester: Fall _____				2nd Semester: Winter _____				Semester: S/S _____			
1st Year	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed		
	* MTH 201 Calculus I	4	_____	* MTH 202 Calculus II	4	_____	* STA 220 Engrg Statistics	2	_____		
	* EGR 106 Intro to Egr Design I	3	_____	* EGR 107 Intro to Egr Design II	3	_____	* EGR 220 Engrg Stats Lab	1	_____		
	* CHM 115 Chemistry I	4	_____	* PHY 230 Physics I	5	_____	* MTH 203 Calculus III	4	_____		
	HNR 217 MOE I	3	_____	HNR 218 MOE II	3	_____					
2nd Year	3rd Semester: Fall _____				4th Semester: Winter _____				Semester: S/S _____		
	+ * PHY 234/1 Physics II	4/5	_____	* MTH 302 Lin Alg & DEQ	4	_____	EGR 290 Engrg Co-op I	3	_____		
	* EGR 226 Intro Digital Sys	4	_____	* EGR 309 Mach Design I	4	_____	* EGR 214 Circuit Analysis I	4	_____		
	* EGR 209 Mech & Mach	4	_____	* EGR 312 Dynamics	3	_____					
	* EGR 289 Engrg Co-op Prep	1	_____	HNR 228 MOE IV	3	_____					
3rd Year	HNR 227 MOE III	3	_____								
	5th Semester: Fall _____				Semester: Winter _____				6th Semester: S/S _____		
	EGR 250 Mat Sci & Engrg	4	_____	EGR 390 Engrg Co-op II	3	_____	EGR 365 Fluid Mechanics	4	_____		
	EGR 345 Dyn Sys Mod	4	_____				EGR 409 Mach Design II	4	_____		
	EGR 360 Thermodynamics	4	_____				EGR 329 FEA	3	_____		
4th Year	HNR SBS	3	_____				% ECO 210/211 Economics	3	_____		
	Semester: Fall _____				7th Semester: Winter _____				8th Semester: S/S _____		
	EGR 490 Engrg Co-op III	3	_____	EGR 468 Heat Transfer	4	_____	EGR 486 Sr Project II	2	_____		
				ME Elec	4	_____	ME Elec	4	_____		
				ME Elec	4	_____	# GE - LS (BIO 105)	3	_____		
				EGR 485 Sr Project I	1	_____					

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.

Student Name: _____

Student ID#: **G** _____

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.