

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

(2015-16 Catalog) (MTH 201 Placement with Honors - 4 Year Program
Option 1: 12 credits over two semesters)

Student Name: _____

Student ID#: G

	1st Semester: Fall _____	Credits	Grade	Semester Completed	2nd Semester: Winter _____	Credits	Grade	Semester Completed	Semester: S/S _____	Credits	Grade	Semester Completed
1st Year	* MTH 201 Calculus I	4	_____	_____	* MTH 202 Calculus II	4	_____	_____	* PHY 230 Physics I	5	_____	_____
	* EGR 106 Intro to Egr Design I	3	_____	_____	* EGR 107 Intro to Egr Design II	3	_____	_____	* MTH 203 Calculus III	4	_____	_____
	HNR Interdisciplinary Seq	6	_____	_____	* STA 220 Engrg Statistics	2	_____	_____				
			_____	_____	* EGR 220 Engrg Stats Lab	1	_____	_____				
			_____	_____	HNR Interdisciplinary Seq	6	_____	_____				
		13				16			PHY offered spring; MTH offered summer; or move MTH 203 to 3rd semester (fall)			
2nd Year	3rd Semester: Fall _____	Credits	Grade	Semester Completed	4th Semester: Winter _____	Credits	Grade	Semester Completed	Semester: S/S _____	Credits	Grade	Semester Completed
	+ * PHY 234/1 Physics II	4/5	_____	_____	* MTH 302 Lin Alg & DEQ	4	_____	_____	EGR 290 Engrg Co-op I	3	_____	_____
	* CHM 115 Chemistry I	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	_____	_____	* EGR 226 Intro Digital Sys	4	_____	_____				
3rd Year	5th Semester: Fall _____	Credits	Grade	Semester Completed	Semester: Winter _____	Credits	Grade	Semester Completed	6th Semester: S/S _____	Credits	Grade	Semester Completed
	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	_____	_____
	HNR SBS	3	_____	_____					% ECO 210/211 Economics	3	_____	_____
4th Year	Semester: Fall _____	Credits	Grade	Semester Completed	7th Semester: Winter _____	Credits	Grade	Semester Completed	8th Semester: S/S _____	Credits	Grade	Semester Completed
	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.

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.