

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

(2015-16 Catalog) (MTH 201 Placement with Honors (Making of Europe) - 5 Year Program
Option 3: 12 credits over four semesters)

Student Name: _____

Student ID#: G

Option 3: 12 Credits over four semesters																					
1st Year	1st Semester: Fall _____				Credits	Grade	Semester Completed	2nd Semester: Winter _____				Credits	Grade	Semester Completed	Semester: S/S _____				Credits	Grade	Semester Completed
	*	MTH	201	Calculus I	4	_____	_____	*	MTH	202	Calculus II	4	_____	_____	_____				_____	_____	_____
	*	EGR	106	Intro to Egr Design I	3	_____	_____	*	EGR	107	Intro to Egr Design II	3	_____	_____	_____				_____	_____	_____
	*	CHM	115	Chemistry I	4	_____	_____	*	STA	220	Engrg Statistics	2	_____	_____	_____				_____	_____	_____
		HNR	217	MOE I	3	_____	_____	*	EGR	220	Engrg Stats Lab	1	_____	_____	_____				_____	_____	_____
						_____	_____	HNR	218	MOE II	3	_____	_____	_____				_____	_____	_____	
2nd Year	3rd Semester: Fall _____				Credits	Grade	Semester Completed	4th Semester: Winter _____				Credits	Grade	Semester Completed	Semester: S/S _____				Credits	Grade	Semester Completed
	*	MTH	203	Calculus III	4	_____	_____	*	MTH	302	Lin Alg & DEQ	4	_____	_____	_____				_____	_____	_____
	%	ECO	210/211	Economics	3	_____	_____	*	PHY	230	Physics I	5	_____	_____	_____				_____	_____	_____
		HNR	227	MOE III	3	_____	_____		HNR	228	MOE IV	3	_____	_____	_____				_____	_____	_____
		HNR	SBS	_____	3	_____	_____						_____	_____	_____				_____	_____	_____
3rd Year	5th Semester: Fall _____				Credits	Grade	Semester Completed	6th Semester: Winter _____				Credits	Grade	Semester Completed	Semester: S/S _____				Credits	Grade	Semester Completed
	+	*	PHY	234/1 Physics II	4/5	_____	_____	*	EGR	309	Mach Design I	4	_____	_____	EGR 290 Engrg Co-op I				3	_____	_____
		*	EGR	226 Intro Digital Sys	4	_____	_____	*	EGR	312	Dynamics	3	_____	_____	_____				_____	_____	_____
		*	EGR	209 Mech & Mach	4	_____	_____	*	EGR	214	Circuit Analysis I	4	_____	_____	_____				_____	_____	_____
		*	EGR	289 Engrg Co-op Prep	1	_____	_____							_____				_____	_____	_____	
4th Year	7th Semester: Fall _____				Credits	Grade	Semester Completed	Semester: Winter _____				Credits	Grade	Semester Completed	8th 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	_____	_____		
5th Year	Semester: Fall _____				Credits	Grade	Semester Completed	9th Semester: Winter _____				Credits	Grade	Semester Completed	10th 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	_____	_____								
								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.