

Study Plan for B.S.E., MECHANICAL ENGINEERING Major
(2015-16 Catalog) (MTH 201 Placement with Honors - 5 Year Program
Option 2: 12 credits over two semesters, including Live Learn Lead)
Student Name: _____

Student ID#: G

1st Year	1st Semester: Fall _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	2nd Semester: Winter _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	Semester: S/S _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>
	* 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	_____	_____	_____	_____	_____	_____	_____	_____
	HNR		Interdisc Seq (Opt 2)	3	_____	_____	HNR		Interdisc Seq (Opt 2)	3	_____	_____	_____	_____	_____	_____	_____	_____
	HNR		Live Learn Lead	3	_____	_____	HNR		Interdisc Seq (Opt 2)	3	_____	_____	_____	_____	_____	_____	_____	_____
2nd Year	3rd Semester: Fall _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	4th Semester: Winter _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	Semester: S/S _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>
	* MTH	203	Calculus III	4	_____	_____	* MTH	302	Lin Alg & DEQ	4	_____	_____	_____	_____	_____	_____	_____	_____
	% ECO	210/211	Economics (HNR)	3	_____	_____	* STA	220	Engrg Statistics	2	_____	_____	_____	_____	_____	_____	_____	_____
	* CHM	115	Chemistry I	4	_____	_____	* EGR	220	Engrg Stats Lab	1	_____	_____	_____	_____	_____	_____	_____	_____
	HNR	SBS	_____	3	_____	_____	* PHY	230	Physics I	5	_____	_____	_____	_____	_____	_____	_____	_____
3rd Year	5th Semester: Fall _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	6th Semester: Winter _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	Semester: S/S _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>
	+ *	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	_____	_____	Elective _____			1-3	_____	_____	_____	_____	_____	_____	_____	_____
4th Year	7th Semester: Fall _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	Semester: Winter _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	8th Semester: S/S _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>
	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 _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	9th Semester: Winter _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>	10th Semester: S/S _____			<i>Credits</i>	<i>Grade</i>	<i>Semester Completed</i>
	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.