

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

Minor: _____

Student Name: _____

(2017-18 Catalog) (MTH 201 Placement with Honors Design Thinking - 5 Year Program)

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	_____	_____	_____	_____	_____	_____		
	*	CHM	115	Chemistry I	4	_____	_____	*	EGR	106	Intro to Egr Design I	3	_____	_____	_____	_____	_____	_____		
		HNR	280	- 06	3	_____	_____		HNR	280	- 07	3	_____	_____	_____	_____	_____	_____		
		HNR	201	Live Learn Lead	3	_____	_____		HNR	280	- 08	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	_____	_____	_____	_____	_____	_____		
	*	EGR	107	Intro to Egr Design II	3	_____	_____	+	PHY	231	Physics II	5	_____	_____	_____	_____	_____	_____		
	*	PHY	230	Physics I	5	_____	_____	%	ECO	210/211	Economics	3	_____	_____	_____	_____	_____	_____		
	*	STA	220	Engrg Statistics	2	_____	_____													
	*	EGR	220	Engrg Stats Lab	1	_____	_____													
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>		
	*	EGR	226	MicroCtrl Pgm Appl	4	_____	_____	*	EGR	309	Mach Design I	4	_____	_____	EGR	290	Engrg Co-op I	3	_____	_____
	*	EGR	214	Circuit Analysis I	4	_____	_____	*	EGR	312	Dynamics	3	_____	_____	_____	_____	_____	_____		
	*	EGR	209	Mech & Mach	4	_____	_____		HNR	LS	_____	3	_____	_____	_____	_____	_____	_____		
	*	EGR	289	Engrg Co-op Prep	1	_____	_____	\$	HNR	US	_____	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 (sws)	3	_____	_____	EGR	365	Fluid Mechanics	4	_____	_____	
		EGR	346	Mechatronics & Ctrl	4	_____	_____	_____	_____	_____	_____	_____	EGR	409	Mach Design II	4	_____	_____		
		EGR	360	Thermodynamics	4	_____	_____						EGR	329	FEA	3	_____	_____		
	#	HNR	Jr. Sem	_____	3	_____	_____	_____	_____	_____	_____	#	HNR	Jr. Sem	_____	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
- + Engineering Physics II (PHY 234) is available in fall only.
- # The Jr. Seminar fulfills one Issue and one SWS requirement.
- Junior Seminars can be taken when students have >= 45 credits. Online seminars offered each semester.
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.
- \$ HNR US Diversity requirement can be met with a Jr. Seminar.

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 in each Foundation course.**

- 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.