

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

Minor: \_\_\_\_\_

Student Name: \_\_\_\_\_

(2018-19 Catalog) (MTH 201 Placement with Honors Alliance and Conflict - 5 Year Program)

 Student ID#: G

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				_____	_____	_____	_____	_____			
	* CHM	115	Chemistry I	4	_____				_____	* EGR	106	Intro to Egr Design I	3				_____	_____	_____	_____	_____			
	HNR	260		3	_____				_____	HNR	261		3				_____	_____	_____	_____	_____			
	HNR	201	Live, Learn, Lead	3	_____				_____	HNR	262		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				_____	_____	_____	_____	_____			
	* 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 _____					Credits	Grade	Semester Completed	6th Semester: Winter _____					Credits	Grade	Semester Completed	Semester: S/S _____					Credits	Grade	Semester Completed
	* EGR	226	MicroCtrl Pgm Appl	4	_____				_____	* EGR	309	Mach Design I	4				_____	_____	_____	_____	_____			
	* 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 _____					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 (sws)	3				_____	_____	_____	_____	_____			
	EGR	346	Mechatronics & Ctrl	4	_____				_____															
	EGR	360	Thermodynamics	4	_____				_____															
	# HNR	Jr. Sem	_____	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				_____	_____	_____	_____	_____			
									ME	Elec	_____	3/4	_____				_____	_____	_____	_____				
									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 Issues and one SWS requirement.  
HNR 312 will also fulfill US Diversity.  
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 Honors requirement.
- \$ HNR US Diversity requirement can be met with a Jr. Seminar (HNR 312).
- & Completion of EGR 485 and 486 will fulfill the HNR 499 Senior Project requirement.

**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.