

**Study Plan for B.S.E., PRODUCT DESIGN & MANUFACTURING ENGINEERING Major**

(2017-18 Catalog) (MTH 201 Placement with Honors American Civilization 01/02 - 5 Year Program)

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

**Student ID#:** G

Minor:																										
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	_____	_____				*	CHM	115	Chemistry I	4	_____	_____				_____	_____	_____			
		HNR	213	_____	3	_____	_____					HNR	223	_____	3	_____	_____				_____	_____	_____			
		HNR	214	_____	3	_____	_____					HNR	224	_____	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	_____	_____					HNR	SBS	_____	3	_____	_____				_____	_____	_____			
3rd Year <th colspan="6">5th Semester: Fall _____</th> <th>Credits</th> <th>Grade</th> <th>Semester Completed</th> <th colspan="6">6th Semester: Winter _____</th> <th>Credits</th> <th>Grade</th> <th>Semester Completed</th> <th colspan="3">Semester: S/S _____</th> <th>Credits</th> <th>Grade</th> <th>Semester Completed</th>	5th Semester: Fall _____						Credits	Grade	Semester Completed	6th Semester: Winter _____						Credits	Grade	Semester Completed	Semester: S/S _____			Credits	Grade	Semester Completed		
	*	EGR	214	Circuit Analysis I	4	_____	_____				*	EGR	309	Mach Design I	4	_____	_____				EGR	290	Engrg Co-op I	3	_____	_____
	*	EGR	226	MicroCtrl Pgm Appl	4	_____	_____				*	EGR	250	Mat Sci & Engrg	4	_____	_____				_____	_____	_____			
	*	EGR	209	Mech & Mach	4	_____	_____					HNR	LS	_____	3	_____	_____				_____	_____	_____			
	*	EGR	289	Engrg Co-op Prep	1	_____	_____				\$	HNR	WP	_____	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	301	Fund Prod Des	4	_____	_____					EGR	390	Engrg Co-op II	3	_____	_____				EGR	362	Thermo-Fluid Sy	4	_____	_____
		EGR	345	Dyn Sys Mod	4	_____	_____													EGR	440	Prod'n Models	3	_____	_____	
		EGR	367	Mfg Processes	4	_____	_____													PDM	Elec	_____	4	_____	_____	
																				#	HNR	Jr Seminar	_____	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	401	Adv Prod Design	4	_____	_____				EGR	486	Sr Project II	2	_____	_____
												EGR	450	Mfg Controls	4	_____	_____				PDM	Elec	_____	4	_____	_____
													EGR	485	Sr Project I	1	_____	_____								
													PDM	Elec	_____	4	_____	_____								

**PCEC Student Services: (616)331-6025**

- \* Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- # 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 WP 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**

- 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.