

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

(2017-18 Catalog)

(MTH 201 Placement - 5 Year Program)

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

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

Student ID#: *G* \_\_\_\_\_

1st Year	1st Semester: Fall_____						2nd Semester: Winter _____						Semester: S/S _____						
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed	
	*	MTH	201	Calculus I	4	_____	*	MTH	202	Calculus II	4	_____	_____	_____	_____	_____	_____	_____	
	*	WRT	150	Writ Strategies	4	_____	*	CHM	115	Chemistry I	4	_____	_____	_____	_____	_____	_____	_____	
	*	EGR	106	Intro to Egr Design I	3	_____	*	EGR	107	Intro to Egr Design II	3	_____	_____	_____	_____	_____	_____	_____	
		GE - Hist		_____	3	_____		GE - Arts		_____	3	_____	_____						
2nd Year	3rd Semester: Fall_____						4th Semester: Winter _____						Semester: S/S _____						
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed	
	*	MTH	203	Calculus III	4	_____	*	MTH	302	Lin Alg & DEQ	4	_____	_____	_____	_____	_____	_____	_____	
	*	STA	220	Engrg Statistics	2	_____	%	ECO	210/211	Economics	3	_____	_____	_____	_____	_____	_____	_____	
	*	EGR	220	Engrg Stats Lab	1	_____	*	PHY	230	Physics I	5	_____	_____	_____	_____	_____	_____	_____	
	•	GE-SBS		_____	3	_____	#	GE - WP		_____	3	_____	_____					_____	
	@	GE - P & L (PHI 102 Ethics)			3	_____													
3rd Year	5th Semester: Fall_____						6th Semester: Winter _____						Semester: S/S _____						
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				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	MicroCtrl Pgm Appl	4	_____	*	EGR	250	Mat Sci & Engrg	4	_____	_____	_____	_____	_____	_____	_____	
	*	EGR	209	Mech & Mach	4	_____	*	EGR	214	Circuit Analysis I	4	_____	_____						
	*	EGR	289	Engrg Co-op Prep	1	_____		GE - LS		_____	3	_____	_____						
4th Year	7th Semester: Fall_____						Semester: Winter _____						8th Semester: S/S _____						
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed	
		EGR	301	Fund Prod Des	4	_____	EGR	390	Engrg Co-op II (sws)	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	_____	_____		
		GE - Issue		_____	3	_____						GE - Issue	_____	3	_____	_____	_____		
5th Year	Semester: Fall_____						9th Semester: Winter _____						10th Semester: S/S _____						
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				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	_____	_____	GE - US	_____	3	_____	_____		
							PDM	Elec	_____	4	_____	_____							

PCEC Student Services: (616)331-6025

- \* Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- Consider taking a course that doubles as SBS and US (See Gen Ed guide for selections)
- # Consider taking a course that doubles as WP and Issue (See Gen Ed guide for selections)
- @ An ethics course is required in the engineering program (PHI 102 or another ethics course in General Education).  
Consider taking PHI 102 as an SWS
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.

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.