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

Student Name: _____

(2018-19 Catalog) ***(MTH 201 Placement - 4 Year Program)*** **Minor:** _____

Student ID#: G

1st Year

	1st Semester: Fall____	Credits	Grade	Semester Completed
*	MTH 201 Calculus I	4		
*	WRT 150 Writ Strategies	4		
*	EGR 106 Intro to Egr Design I	3		
*	CHM 115 Chemistry I	4		

	2nd Semester: Winter ____	Credits	Grade	Semester Completed
*	MTH 202 Calculus II	4		
*	PHY 230 Physics I	5		
*	EGR 107 Intro to Egr Design II	3		
*	STA 220 Engrg Statistics	2		
*	EGR 220 Engrg Stats Lab	1		

	Semester: S/S ____	Credits	Grade	Semester Completed
	_____	__		
	_____	__		
	_____	__		

2nd Year

	3rd Semester: Fall____	Credits	Grade	Semester Completed
*	MTH 203 Calculus III	4		
+ *	PHY 234/1 Physics II	4/5		
*	EGR 226 MicroCtrl Pgm Appl	4		
*	EGR 209 Mech & Mach	4		
*	EGR 289 Engrg Co-op Prep	1		

	4th Semester: Winter ____	Credits	Grade	Semester Completed
*	MTH 302 Lin Alg & DEQ	4		
*	EGR 309 Mach Design I	4		
*	EGR 250 Mat Sci & Engrg	4		
*	EGR 214 Circuit Analysis I	4		

	Semester: S/S ____	Credits	Grade	Semester Completed
	EGR 290 Engrg Co-op I	3		
	GE - Arts _____	3		

3rd Year

	5th Semester: Fall____	Credits	Grade	Semester Completed
	EGR 301 Fund Prod Des	4		
	EGR 345 Dyn Sys Mod	4		
	EGR 367 Mfg Processes	4		
•	GE-SBS _____	3		

	Semester: Winter ____	Credits	Grade	Semester Completed
	EGR 390 Engrg Co-op II (SWS)	3		
	GE - Issue _____	3		

	6th Semester: S/S ____	Credits	Grade	Semester Completed
	EGR 362 Thermo-Fluid S	4		
	EGR 329 Intro to FEA	3		
	EGR 405 Mat Analysis	3		
%	ECO 210/211 Economics	3		
#	GE - GP _____	3		

4th Year

	Semester: Fall____	Credits	Grade	Semester Completed
	EGR 490 Engrg Co-op III	3		
	GE - Issue _____	3		

	7th Semester: Winter ____	Credits	Grade	Semester Completed
	EGR 401 Adv Prod Design	4		
	EGR 485 Sr Project I	1		
	PDM Elec _____	3/4		
	PDM Elec _____	3/4		
@	GE - P & L (PHI 102 Ethics)	3		

	8th Semester: S/S ____	Credits	Grade	Semester Completed
	EGR 486 Sr Project II	2		
	EGR 440 Prod'n Models	3		
	GE - LS _____	3		
	GE - Hist _____	3		
	GE - US _____	3		

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