Study Plan for B.S.E., <u>PRODUCT DESIGN & MAI</u>	<u>NUFACTURING ENGINEERING</u> Major & Ro	botics and Control Emphasis St	udent Name:	
(2018-19 Catalog) (MTH 110 Placement - 5 Year Pr	ogram) Minor:	St	udent ID#: <u>G</u>	
MTH 110 Algebra 4 * WRT 150 Writ Strategies 4 * EGR 100 Intro to Engrg 1 GE - Arts 3	Semester Completed 2nd Semester: Winte MTH 124 Functions a CHM 115 Chemistry GE - LS • GE-SBS	and Model 5	Semester: S/S S	Semester Grade Completed
	* MTH 202 Calculus II	4 r Design II 3 5 istics 2	Semester: S/S 25	Semester Grade Completed
B + * PHY 234/1 Physics II 4/5 * EGR 209 Mech & Mach 4 * EGR 226 MicroCtrl Pgm Appl 4	Semester Completed 6th Semester: Winter * MTH 302 Lin Alg & 1 * EGR 309 Mach Desi, * EGR 250 Mat Sci & 1 * EGR 214 Circuit Ana	DEQ 4 gn I 4 Engrg 4	Semester: S/S &	
EGR 345 Dyn Sys Mod 4 EGR 367 Mfg Processes 4	Semester Completed Semester: Winter EGR 390 Engrg Co-c GE - Issue	op II 3 3	8th Semester: S/S%EGR362Thermo-Fluid Sys4EGR440Prod'n Models3EGR445Robotics Sys4GE-US3	
Semester: Fall ⁵⁰ EGR 490 Engrg Co-op III 3 FG	Semester Completed 9th Semester: Winter EGR 401 Adv Prod I EGR 450 Mfg Control EGR 485 Sr Project I PDM Elec	Design 4 ols 4 I 1		

PCEC Student Services: (616)331-6025

- * Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- Not required, but strongly recommended for success
- 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.