Study Plan for B.S.E., PRODUCT DESIGN & MANUFACTURING ENGINEERING Major & General Emphasis **Student Name:** GStudent ID#: (2019-20 Catalog) (MTH 123 Placement - 5 Year Program) Minor: Semester Semester Semester 1st Semester: Fall Completed 2nd Semester: Winter Grade Completed Semester: S/S Completed Grade Grade MTH 123 Trigonometry MTH 201 Calculus I Writ Strategies CHM 115 Chemistry I * WRT 150 ^ EGR 100 Intro to Engrg EGR 106 Intro to Egr Design I 3 GE - HP • GE-SBS GE - Arts Semester Semester Semester Credits 3rd Semester: Fall 4th Semester: Winter ____ Semester: S/S ____ Grade Completed Grade Completed Grade Completed * MTH 202 Calculus II MTH 203 Calculus III 2nd Year * EGR 107 Intro to Egr Design II 3 * STA 220 Statistical Modeling @ GE - P & L (PHI 102 Ethics) * EGR 220 Measure/Data Analysis * PHY 230 Physics I GE - US # GE - GP Semester Semester Semester Completed Grade Completed Completed 5th Semester: Fall 6th Semester: Winter Semester: S/S Grade Grade + * PHY 234/1 Physics II 4/5 MTH 302 Lin Alg & DEQ 3rd Year EGR 290 Engrg Co-op I * EGR 209 Mech & Mach 309 Mach Design I **EGR** * EGR 226 MicroCtrl Pgm Appl EGR 250 Mat Sci & Engrg * EGR 289 Engrg Co-op Prep EGR 214 Circuit Analysis I Semester Semester Semester 7th Semester: Fall Semester: Winter ____ Grade Completed 8th Semester: S/S ___ Completed Grade Completed Grade Year EGR 301 Fund Prod Des EGR 362 EGR 390 Engrg Co-op II (SWS) 3 Thermo-Fluid Sys 4 EGR 345 Dyn Sys Mod EGR 440 Prod'n Models 3 EGR 367 Mfg Processes PDM Elec GE - Issue _____ % ECO 210/211 Economics Semester Semester Semester Semester: Fall 9th Semester: Winter 10th Semester: S/S Grade Completed Grade Completed Grade Completed EGR 490 Engrg Co-op III EGR 401 Adv Prod Design EGR 486 Sr Project II 5th Year 2 GE - Issue 450 Mfg Controls PDM Elec 3/4 485 Sr Project I EGR GE - LS PDM Elec

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 GP 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.