Study Plan for B.S.E., PRODUCT DESIGN & MANUFACTURING ENGINEERING Major & Mfg Sys Emphasis **Student Name:** GStudent ID#: (2018-19 Catalog) (MTH 124 Placement - 5 Year Program) Semester Semester Semester 1st Semester: Fall Grade Completed 2nd Semester: Winter Grade Completed Semester: S/S Grade Completed MTH 124 Functions & Models MTH 201 Calculus I * WRT 150 Writ Strategies CHM 115 Chemistry I EGR 106 Intro to Egr Design I 3 ^ EGR 100 Intro to Engrg GE - Hist ^ EGR 180 Intro Engrg Prob Solv 3 Semester Semester Semester 3rd Semester: Fall Grade Completed 4th Semester: Winter ___ Grade Completed Semester: S/S ____ Completed * MTH 202 Calculus II * MTH 203 Calculus III * EGR 107 Intro to Egr Design II 3 STA 220 Engrg Statistics @ GE - P & L (PHI 102 Ethics) * EGR 220 Engrg Stats Lab GE-SBS * PHY 230 Physics I # GE - GP Semester Semester Semester Grade Completed Grade Completed 5th Semester: Fall____ 6th Semester: Winter _ Semester: S/S Completed + * PHY 234/1 Physics II MTH 302 Lin Alg & DEQ Engrg Co-op I * EGR 209 Mech & Mach 309 Mach Design I * EGR 226 MicroCtrl Pgm Appl 4 EGR 250 Mat Sci & Engrg * EGR 289 Engrg Co-op Prep EGR 214 Circuit Analysis I Semester Semester Semester Semester: Winter ____ Grade Completed 7th Semester: Fall Completed 8th Semester: S/S Completed Grade Grade EGR 301 Fund Prod Des EGR 390 Engrg Co-op II EGR 362 Thermo-Fluid Sys 4 EGR 345 Dyn Sys Mod EGR 440 Prod'n Models EGR 367 Mfg Processes EGR 441 Egr Econ GE - Issue % ECO 210/211 Economics Semester Semester Semester Grade Completed Semester: Fall____ Grade Completed 9th Semester: Winter Grade Completed 10th Semester: S/S _ Year EGR 490 Engrg Co-op III EGR 450 Mfg Controls EGR 486 Sr Project II 2 PDM Elec EGR 485 Sr Project I GE - Issue ____ 3/4

EGR 404 Polymer Science PDM Elec ____

GE - LS

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. Students are advised to take <u>either</u> EGR 100 <u>or</u> EGR 180.
- 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.
- \$ Electives (2 required)

EGR 413 Materials for Energy Storage EGR 445 Robotics Systems Engineering MGT 337 Supply Chain Management STA 314 Design of Experiments

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.

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