## Study Plan for B.S.E., PRODUCT DESIGN & MANUFACTURING ENGINEERING Major & Design Emphasis **Student Name:** GStudent ID#: (2018-19 Catalog) (MTH 124 Placement - 5 Year Program) Minor: Semester Semester Semester Completed Completed 1st Semester: Fall 2nd Semester: Winter Completed Semester: S/S Grade Grade Grade MTH 124 Functions & Models MTH 201 Calculus I CHM 115 Chemistry I \* WRT 150 Writ Strategies ^ EGR 100 Intro to Engrg EGR 106 Intro to Egr Design I GE - Hist GE - Arts ^ EGR 180 Intro Engrg Prob Solv 3 Semester Semester Semester 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 **Engrg Statistics** @ GE - P & L (PHI 102 Ethics) \* EGR 220 Engrg Stats Lab \* PHY 230 Physics I GE-SBS # GE - GP Semester Semester Semester Completed Completed 5th Semester: Fall 6th Semester: Winter Completed Semester: S/S Grade Grade Grade + \* PHY 234/1 Physics II 4/5 MTH 302 Lin Alg & DEQ EGR 290 3rd Year Engrg Co-op I \* EGR 209 Mech & Mach 309 Mach Design I **EGR** \* EGR 226 MicroCtrl Pgm Appl EGR 250 Mat Sci & Engrg 4 \* 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 \_\_\_\_ Grade Completed Completed Grade Year EGR 301 Fund Prod Des EGR 362 EGR 390 Engrg Co-op II (SWS) Thermo-Fluid Sys EGR 345 Dyn Sys Mod EGR 329 Intro to FEA EGR 367 Mfg Processes EGR 405 Mat Analysis 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 401 Adv Prod Design

Elec

PDM Elec

485 Sr Project I

EGR

PDM

## PCEC Student Services: (616)331-6025

EGR 490 Engrg Co-op III

GE - Issue

Engineering Foundation course

5th Year

- 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.

## Secondary Admissions Criteria:

EGR 486

EGR 440

GE - LS

GE - US

- 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

Sr Project II

Prod'n Models

- 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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