Study Plan for B.S.E., PRODUCT DESIGN & MANUFACTURING ENGINEERING Major & Mfg Sys Emphasis **Student Name:** G(2018-19 Catalog) Student ID#: (MTH 122 Placement - 5 Year Program) Minor: Semester Semester Semester Grade Completed Grade Completed 1st Semester: Fall Grade Completed 2nd Semester: Winter Semester: S/S MTH 122 College Algebra MTH 123 Trigonometry * WRT 150 Writ Strategies CHM 115 Chemistry I ^ EGR 100 Intro to Engrg GE - Hist GE - Arts GE - LS GE-SBS Semester Semester Semester 3rd Semester: Fall 4th Semester: Winter _ Grade Completed Semester: S/S ____ Completed Grade Completed Grade 2nd Year * MTH 201 Calculus I MTH 202 Calculus II * EGR 106 Intro to Egr Design I 3 EGR 107 Intro to Egr Design II 3 % ECO 210/211 Economics PHY 230 Physics I # GE - GP * STA 220 Engrg Statistics * EGR 220 Engrg Stats Lab Semester Semester Semester 5th Semester: Fall Grade Completed 6th Semester: Winter ___ Grade Completed Semester: S/S Grade Completed * MTH 203 Calculus III MTH 302 Lin Alg & DEQ EGR 290 Engrg Co-op I 3 * PHY 234/1 Physics II EGR 309 Mach Design I EGR 250 Mat Sci & Engrg * EGR 209 Mech & Mach * EGR 214 Circuit Analysis I * EGR 226 MicroCtrl Pgm Appl * EGR 289 Engrg Co-op Prep Semester Semester Semester 7th Semester: Fall Semester: Winter ____ Grade Completed 8th Semester: S/S ___ Grade Completed Grade Completed EGR 301 Fund Prod Des EGR 390 Engrg Co-op II Thermo-Fluid Sys 4 EGR 440 EGR 345 Dyn Sys Mod Prod'n Models GE - Issue _____ EGR 367 Mfg Processes EGR 441 Egr Econ @ GE - P & L (PHI 102 Ethics) GE - Issue _____

9th Semester: Winter _

EGR 450 Mfg Controls

EGR 404 Polymer Science

PDM Elec _____

EGR 485 Sr Project I

GE - US

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Semester: Fall____

EGR 490 Engrg Co-op III

Engineering Foundation course

5th Year

- + 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

Semester

Grade Completed

- % 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:

EGR 486

PDM Elec

- A GPA of 2.7 or above in the Engineering Foundation courses

10th Semester: S/S

- 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

2

3/4

Semester

Grade Completed

- Completion of preparation for placement in the cooperative $\,$ engineering education, EGR 289 $\,$

Recommendation:

Semester

Grade Completed

3

3/4

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.