| Study Plan for B.S.E., <u>PRODUCT DES</u> (2018-19 Catalog) (MTH 123 Placement | | <i>'<u>G ENGINEERING</u> Major & Desi</i> Minor: | ign Emphasis | Student ID#: G | |
|--|---|---|---|--|-----------------------------|
| Ist Semester: Fall MTH 123 Trigonometry * WRT 150 Writ Strategies ^ EGR 100 Intro to Engrg GE - Hist | Semester Grade Completed 3 | 2nd Semester: Winter * MTH 201 Calculus I * CHM 115 Chemistry I * EGR 106 Intro to Egr Design I • GE-SBS | Semester Grade Completed 4 | Semester: S/S | Semester Grade Completed |
| 3rd Semester: Fall * MTH 202 Calculus II * EGR 107 Intro to Egr Design II @ GE - P & L (PHI 102 Ethics) GE - US | Semester Grade Completed 4 | 4th Semester: Winter | Semester Grade Completed 4 | Semester: S/S 5 | Semester Grade Completed |
| * * PHY 234/1 Physics II * EGR 209 Mech & Mach * EGR 226 MicroCtrl Pgm Appl * EGR 289 Engrg Co-op Prep | Semester Grade Completed 4/5 | 6th Semester: Winter * MTH 302 Lin Alg & DEQ * EGR 309 Mach Design I * EGR 250 Mat Sci & Engrg * EGR 214 Circuit Analysis I | Semester Grade Completed 4 | v | Semester Grade Completed |
| 7th Semester: FallEGR301Fund Prod DesEGR345Dyn Sys ModEGR367Mfg ProcessesGE - Issue | Semester Grade Completed 4 | Semester: Winter EGR 390 Engrg Co-op II (SWS) | Semester Grade Completed | EGR 362 Thermo-Fluid Sys 4 _ EGR 329 Intro to FEA 3 _ | Semester Grade Completed |
| Semester: Fall EGR 490 Engrg Co-op III GE - Issue | Semester Grade Completed 3 | 9th Semester: Winter EGR 401 Adv Prod Design EGR 485 Sr Project I PDM Elec | Semester Grade Completed 4 | EGR 486 Sr Project II 2 EGR 440 Prod'n Models 3 | Semester Grade Completed |

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 or 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:

- 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.