Study Plan for B.S.E., INTERDISCIPLINARY ENGINEERING & Data Science emphasis

(2018-19 Catalog)

(MTH 124 Placement - 5 Year Program)

Student Name	ne:								
Student ID#:	\overline{G}								

1st Year	1st Semester: Fall MTH 124 Functions & Models * WRT 150 Writ Strategies ^ EGR 100 Intro to Engrg GE - Hist ^ EGR 180 Intro Engrg Prob Solv	5 _ 4 _ 1 _ 3		Semester Completed		er: Winter Calculus I Chemistry I Intro to Egr Design I		 Semester Completed	Semester:	S/S	Credits	Grade	Semester Completed
2nd Year	3rd Semester: Fall	4 _ 3 _		Semester Completed	* MTH 203 * STA 220 * EGR 220	Calculus III Engrg Statistics Engrg Stats Lab Physics I	2 1 5 3	 Semester Completed		S/S	Credits	Grade	Semester Completed
3rd Year	* PHY 234/1 Physics II * EGR 226 MicroCtrl Pgm Appl * EGR 209 Mech & Mach * EGR 289 Engrg Co-op Prep	4/5 _ 4 _ 4 _		Semester Completed	* MTH 302 * EGR 309	er: Winter Lin Alg & DEQ Machine Design I Material Sci & Egr Circuit Analysis I	4	 Semester Completed		Engrg Co-op I Inter Applied Stats	S Credits	Grade	Semester Completed
4th Year	7th Semester: Fall EGR 345 Dyn Sys Mod EGR 367 Mfg Processes STA 321 App Regres Anlys = CIS 161/2 Comp Sci	4 _		Semester Completed		Winter Engrg Co-op II (SWS)	c Credits	 Semester Completed		er: S/S Thermo-Fluids Production Models Engrg Econ/QC/Mfg Ops	3 4 3 4 3		Semester Completed
5th Year	Semester: Fall EGR 490 Engrg Co-op III	© Credits	Grade ———	Semester Completed		er: Winter Sr Project I Data Mining Info Mgt & Sci Multivar Data Anlys	3	 Semester Completed	EGR 486		3		Semester 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 either 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).
- ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.
- Students may take EGR 362-Thermo Fluids or EGR 360-Thermo (Fall only)
- Either CIS 161 or CIS 162 is required

- 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 per Foundations course
- 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.