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

(2019-20 Catalog)

(MTH 124 Placement - 5 Year Program)

Student Name:	
Student ID#:	G

1st Year	1st Semester: Fall MTH 124 Functions & Models * WRT 150 Writ Strategies ^ EGR 100 Intro to Engrg GE - HP ^ EGR 180 Intro Egr Prob Solv	4 1 3	Semester Completed	2nd Semester: Winter * MTH	4 4 3 3		Semester Completed	Semester: S/S	Credits	Grade	Semester Completed
2nd Year	* MTH 202 Calculus II * EGR 107 Intro to Egr Design II @ GE - P & L (PHI 102 Ethics) • GE-SBS	3	Semester Completed	# MTH 203 Calculus III * STA 220 Statistical Modeling * EGR 220 Measure/Data Analysis * PHY 230 Physics I GE - LS	4 2 1 5 3		Semester Completed	Semester: S/S	Credits	Grade	Semester Completed
3rd Year	5th Semester: Fall	4	Semester Completed	* MTH 302 Lin Alg & DEQ * EGR 309 Machine Design I * EGR 250 Material Sci & Egr * EGR 214 Circuit Analysis I			Semester Completed	Semester: S/S EGR 290 Engrg Co-op I STA 216 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	Semester: Winter EGR 390 Engrg Co-op II (SWS)	υ Credits	Grade	Semester Completed	8th Semester: S/S EGR 362 Thermo-Fluids EGR 440 Production Models EGR 441 Engrg Econ/QC/Mfg Ops # GE - Issue	4 3 4 3 3		Semester Completed
5th Year	Semester: Fall_ EGR 490 Engrg Co-op III	Grade	Semester Completed	9th Semester: Winter EGR 485 Sr Project I CIS 335 Data Mining CIS 360 Info Mgt & Sci STA 426 Multivar Data Anlys GE - Issue	3		Semester Completed	10th Semester: S/S EGR	3 3 3 3 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 GP 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.
- 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.