

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

(2018-19 Catalog) (MTH 201 Placement - 5 Year Program)

Minor: _____

Student Name: _____
Student ID#: G

1st Year	1st Semester: Fall _____ * MTH 201 Calculus I 4 _____ * WRT 150 Writ Strategies 4 _____ * EGR 106 Intro to Egr Design I 3 _____ GE - Hist _____ 3 _____	2nd Semester: Winter _____ * MTH 202 Calculus II 4 _____ * CHM 115 Chemistry I 4 _____ * EGR 107 Intro to Egr Design II 3 _____ GE - Arts _____ 3 _____	Semester: S/S _____ _____
	_____	_____	_____
2nd Year	3rd Semester: Fall _____ * MTH 203 Calculus III 4 _____ * STA 220 Engrg Statistics 2 _____ * EGR 220 Engrg Stats Lab 1 _____ • GE-SBS _____ @ GE - P & L (PHI 102 Ethics) 3 _____	4th Semester: Winter _____ * MTH 302 Lin Alg & DEQ 4 _____ % ECO 210/211 Economics 3 _____ * PHY 230 Physics I 5 _____ • GE - US _____ 3 _____	Semester: S/S _____ _____
	_____	_____	_____
3rd Year	5th Semester: Fall _____ + * PHY 234/I Physics II 4/5 _____ * EGR 226 MicroCtrl Pgm Appl 4 _____ * EGR 209 Mech & Mach 4 _____ * EGR 289 Engrg Co-op Prep 1 _____	6th Semester: Winter _____ * EGR 309 Machine Design I 4 _____ * EGR 250 Materials Science 4 _____ * EGR 214 Circuit Analysis I 4 _____	Semester: S/S _____ EGR 290 Engrg Co-op I 3 _____
	_____	_____	_____
4th Year	7th Semester: Fall _____ EGR 346 Mechatronic Sys. 4 _____ EGR 360 Thermodynamics 4 _____ BIO 120 General Biology I 4 _____	Semester: Winter _____ EGR 390 Engrg Co-op II (SWS) 3 _____	8th Semester: S/S _____ BIO 105 Enviro Science 3 _____ EGR 365 Fluid Mechanics 4 _____ BIO 215 General Ecology 4 _____ GE - Issue _____ 3 _____
	_____	_____	_____
5th Year	Semester: Fall _____ EGR 490 Engrg Co-op III 3 _____ EGR 463 Alt Energy Apps 4 _____	9th Semester: Winter _____ ~ EGR 437 Enviro Engrg 3 _____ CHM 230 Intro to Org Chem 3 _____ • GEO 300 Geology & Enviro 3 _____ # GE - GP 3 _____	10th Semester: S/S _____ EGR 486 Sr Project II 2 _____ GE - Issue _____ 3 _____
	_____	_____	_____

PCEC Student Services: (616)331-6025

- * Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- 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.
- Students may take either GEO 300-Geology & the Environment or GEO 360-Earth Resources
- ~ Course is only offered at Cornerstone University

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 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.