Study Plan for B.S.E., INTERDISCIPLINARY ENGINEERING & Design and Innovation emphasis **Student Name:** Student ID#: G (2018-19 Catalog) (MTH 110 Placement - 5 Year Program) Minor: Semester Semester Semester 1st Semester: Fall Completed 2nd Semester: Winter Completed Semester: S/S Completed Grade MTH 110 Algebra MTH 122 College Algebra * WRT 150 Writ Strategies MTH 123 Trigonometry = EGR 100 Intro to Engrg * CHM 115 Chemistry I GE - Arts · GE-SBS GE - Hist Semester Semester Semester 3rd Semester: Fall Completed 4th Semester: Winter Completed Semester: S/S Completed * MTH 201 Calculus I * MTH 202 Calculus II * EGR 106 Intro to Egr Design I * EGR 107 Intro to Egr Design II 3 % ECO 210/211 Economics * PHY 230 Physics I 101 Inov & Prob Solving ~ IDS * STA 220 Engrg Statistics * EGR 220 Engrg Stats Lab Semester Semester Semester Grade Completed 6th Semester: Winter _ Grade Completed Grade Completed 5th Semester: Fall__ Semester: S/S_ * MTH 203 Calculus III * MTH 302 Lin Alg & DEQ EGR 290 Engrg Co-op I * PHY 234/1 Physics II * EGR 309 Machine Design I * EGR 209 Mech & Mach * EGR 250 Materials Science * EGR 226 MicroCtrl Pgm Appl * EGR 214 Circuit Analysis I * EGR 289 Engrg Co-op Prep Semester Semester Semester Grade Completed Grade Completed 7th Semester: Fall____ Semester: Winter ___ Grade Completed 8th Semester: S/S EGR 301 Fund Prod Des 390 Engrg Co-op II (SWS 3 EGR 362 Thermo-Fluid Sys EGR 345 Dyn Sys Mod 323 Design Thinking Elec _ EGR 367 Mfg Processes GE - LS ~ MDA 112 Design Drawing I LIB 310 Creativity

	Semester: Fall			Credits	Grade	Semester Completed	9th Semester: Winter		Credits	Grade	Semester Completed	10th Semester: S/S	Credits	Grade	Semester Completed	
Ħ	EGR	490	Engrg Co-op III	3			EGR	485	Sr Project I	1			EGR 486 Sr Project II	2		
ĕ	~ IDS	313	Thought & Design II	3			~ IDS	413	Thought & Design III	3			@ GE - P & L (PHI 102 Ethics)	3		
4							~ IDS	312	Human Innovation	3			# GE - GP	_ 3		
5th						 GE - US 			3	3						
							GE - I	ssue		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). Consider taking PHI 102 as an SWS.
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.
- Students may enroll in EGR 362 or EGR 360 Thermodynamics (Fall)
- ^ Students may enroll in EGR 401-Adv. Product Design (Winter), EGR 403-Medical Device Design (Winter), or EGR 405-Material Failure (Spring/Summer)
- Course is only offered at Cornerstone University
- ! LIB 310 fulfills an Issues 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