Study Plan for B.S.E., INTERDISCIPLINARY ENGINEERING & Design and Innovation emphasis **Student Name:** Student ID#: G (2019-20 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 124 Functions & Models * CHM 115 Chemistry I * WRT 150 Writ Strategies = EGR 100 Intro to Engrg · GE-SBS @ GE - P & L (PHI 102 Ethics) GE - Arts GE - HP 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 % ECO 210/211 Economics * PHY 230 Physics I ~ IDS 101 Inov & Prob Solving * STA 220 Statistical Modeling * EGR 220 Measure/Data Analysis Semester Semester Semester Grade Completed 6th Semester: Winter _ Grade Completed 5th Semester: Fall_ Grade Completed 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

41	~ MDA 112 Design Drawing I	3							! LIB 310	Creativity	3		
5th Year	Semester: Fall EGR 490 Engrg Co-op III ~ IDS 313 Thought & Design II	S Credits	Grade	Semester Completed 	485 413 312 JS	er: Winter Sr Project I Thought & Design III Human Innovation	2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	 Semester Completed		ester: S/S Sr Project II	C Credits	Grade	Semester Completed

390 Engrg Co-op II (SWS) 3

323 Design Thinking

Semester: Winter ___

Semester

Grade Completed

PCEC Student Services: (616)331-6025

7th Semester: Fall____

EGR 301 Fund Prod Des

EGR 345 Dyn Sys Mod

EGR 367 Mfg Processes

- 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 401-Adv. Product Design (Winter), EGR 403-Medical Device Design (Winter), or EGR 405-Material Failure (Spring/Summer)

Semester

Grade Completed

- 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

Semester Grade Completed

- Completion of preparation for placement in the cooperative engineering education, EGR 289

Recommendation:

8th Semester: S/S_

Elec ___

ΙE

GE - IS

EGR 362 Thermo-Fluid Sys

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