Study Plan for B.S.E., <u>INTERDISCIPLINARY ENGINEERING</u> with Design & Innovation emphasis Student Name:

(2019-20 Catalog) (MTH 124 Placemen		5 Year Prog	Minor:				Student ID#:	<u>G</u>				•		
* WRT 150 W = EGR 100 In	unctions & Models Vrit Strategies Atro to Engrg	51	Semester Completed	* MTH * CHM	201 115 106	cer: Winter Calculus I Chemistry I Intro to Egr Design I	4 4 3 3		Semester Completed		:: S/S			Semester Completed
@ GE - P & L (PH	alculus II tro to Egr Design II I 102 Ethics)	3	Semester Completed	* MTH * STA * EGR	203 220 220 230	Calculus III Statistical Modeling Measure/Data Analysis Physics I	4 2 1 5 3		Semester Completed		:: S/S		Grade	Semester Completed
P -	hysics II 4 IicroCtrl Pgm Appl 4 Iech & Mach	/5 4 4	Semester Completed	* EGR * EGR * EGR	309 250 214	Machine Design I Materials Science Circuit Analysis I Lin Alg & DEQ	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Semester Completed		: S/S) Engrg Co-op I	© Credits	Grade	Semester Completed
	und Prod Des lyn Sys Mod Ifg Processes	4 4 4	Semester Completed	Semes EGR LIB		Winter Engrg Co-op II (SWS) Design Thinking	w c Credits		Semester Completed	EGR 362 ^ IE Ele # GE - GP	2 Thermo-Fluid Sys c Creativity	3/4		Semester Completed
Semester: Fa EGR 490 E TIDS 313 TI		3	Semester Completed	EGR ~ IDS	485 413 312 S	er: Winter Sr Project I Thought & Design III Human Innovation	2 S C Credits		Semester Completed	EGR 486 GE - HP	nester: S/S 5 Sr Project II 0/211 Economics	2 2 3 3 3		Semester Completed

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 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.
- = Not required, strongly encouraged for student success. It is advised to take EGR 100 OR EGR 180

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