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

Student Name: _____

(2019-20 Catalog) ***(MTH 201 Placement - 4 Year Program)*** **Minor:** _____

Student ID#: *G* _____

1st Year

					Credits	Grade	Semester Completed
1st Semester: Fall____							
	*	MTH	201	Calculus I	4		
	*	WRT	150	Writ Strategies	4		
	*	EGR	106	Intro to Egr Design I	3		
	*	CHM	115	Chemistry I	4		
2nd Semester: Winter ____							
	*	MTH	202	Calculus II	4		
	*	PHY	230	Physics I	5		
	*	EGR	107	Intro to Egr Design II	3		
	*	STA	220	Statistical Modeling	2		
	*	EGR	220	Measure/Data Analysis	1		
Semester: S/S ____							
_____					__		
_____					__		

2nd Year

					Credits	Grade	Semester Completed
3rd Semester: Fall____							
	*	MTH	203	Calculus III	4		
+	*	PHY	234/1	Physics II	4/5		
	*	EGR	226	MicroCtrl Pgm Appl	4		
	*	EGR	209	Mech & Mach	4		
	*	EGR	289	Engrg Co-op Prep	1		
4th Semester: Winter ____							
	*	MTH	302	Lin Alg & DEQ	4		
	*	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		

3rd Year

					Credits	Grade	Semester Completed
5th Semester: Fall____							
		EGR	346	Mechatronic Sys.	4		
		EGR	360	Thermodynamics	4		
	$	BIO	120	General Biology I	4		
	@	GE - P & L (PHI 102 Ethics)			3		
Semester: Winter ____							
		EGR	390	Engrg Co-op II (SWS)	3		
6th Semester: S/S ____							
		BIO	105	Enviro Science	3		
		EGR	365	Fluid Mechanics	4		
		BIO	215	General Ecology	4		
		GE-Arts	_____		3		

4th Year

					Credits	Grade	Semester Completed
Semester: Fall____							
		EGR	490	Engrg Co-op III	3		
		EGR	463	Alt Energy Apps	4		
7th Semester: Winter ____							
		EGR	485	Sr Project I	1		
	~	EGR	437	Enviro Engrg	3		
		CHM	230	Intro to Org Chem	3		
	&	GEO	360	Earth Resources	3		
		GE - HP	_____		3		
8th Semester: S/S ____							
		EGR	486	Sr Project II	2		
		GE - Issue	_____		3		
	•	GE - SBS /US	_____		3		
	#	GE - GP	_____		3		
	%	ECO	210/211	Economics	3		

PCEC Student Services: (616)331-6025

* Engineering Foundation course - requires PDM foundations
\+ 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 GenEd requirement.
~ Course is only offered at Cornerstone University
$ BIO 120 is required for major and fulfills the Life Sciences Gen Ed requirement.
& Required for major and also fulfills one 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 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.