

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

Student Name: \_\_\_\_\_

(2018-19 Catalog) (MTH 201 Placement with Honors Alliance & Conflict - 4 year program)

Student ID#: *G* \_\_\_\_\_

Minor: \_\_\_\_\_

	1st Semester: Fall _____	Credits	Grade	Semester Completed	2nd Semester: Winter _____	Credits	Grade	Semester Completed	Semester: S/S _____	Credits	Grade	Semester Completed
<b>1st Year</b>	* MTH 201 Calculus I	4	_____	_____	* MTH 202 Calculus II	4	_____	_____	* PHY 230 Physics I	5	_____	_____
	* CHM 115 Chemistry I	4	_____	_____	* EGR 106 Intro to Egr Design I	3	_____	_____	* EGR 107 Intro to Egr Design II	3	_____	_____
	HNR 260 _____	3	_____	_____	HNR 261 _____	3	_____	_____	* MTH 203 Calculus III	4	_____	_____
	HNR 201 Live, Learn, Lead	3	_____	_____	HNR 262 _____	3	_____	_____				
<b>2nd Year</b>	<b>3rd Semester: Fall _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>	<b>4th Semester: Winter _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>	<b>Semester: S/S _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>
	* STA 220 Statistical Modeling	2	_____	_____	* MTH 302 Lin Alg & DEQ	4	_____	_____	EGR 290 Engrg Co-op I	3	_____	_____
	* EGR 220 Measure/Data Analysis	1	_____	_____	* EGR 309 Machine Design I	4	_____	_____				
	+ * PHY 234/1 Physics II	4/5	_____	_____	* EGR 250 Materials Science	4	_____	_____				
	* EGR 226 MicroCtrl Pgm Appl	4	_____	_____	* EGR 214 Circuit Analysis I	4	_____	_____				
	* EGR 209 Mech & Mach	4	_____	_____								
* EGR 289 Engrg Co-op Prep	1	_____	_____									
<b>3rd Year</b>	<b>5th Semester: Fall _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>	<b>Semester: Winter _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>	<b>6th Semester: S/S _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>
	EGR 346 Mechatronic Sys.	4	_____	_____	EGR 390 Engrg Co-op II (SWS)	3	_____	_____	BIO 105 Enviro Science	3	_____	_____
	EGR 360 Thermodynamics	4	_____	_____					EGR 365 Fluid Mechanics	4	_____	_____
	@ BIO 120 General Biology I	4	_____	_____					BIO 215 General Ecology	4	_____	_____
% ECO 210/211 Economics	3	_____	_____					# HNR Jr. Sem. _____	3	_____	_____	
<b>4th Year</b>	<b>Semester: Fall _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>	<b>7th Semester: Winter _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>	<b>8th Semester: S/S _____</b>	<b>Credits</b>	<b>Grade</b>	<b>Semester Completed</b>
	EGR 490 Engrg Co-op III	3	_____	_____	^ EGR 485 Sr Project I	1	_____	_____	^ EGR 486 Sr Project II	2	_____	_____
	EGR 463 Alt Energy Apps	4	_____	_____	~ EGR 437 Enviro Engrg	3	_____	_____	\$ HNR US _____	3	_____	_____
					CHM 230 Intro to Org Chem	4	_____	_____				
				GEO 360 Earth Resources	3	_____	_____					

**PCEC Student Services: (616)331-6025**

- \* Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- # The Jr. Seminar fulfills one Issue and one SWS requirement.  
HNR 312 will also fulfill US Diversity  
Junior Seminars can be taken when students have >= 45 credits. Online seminars offered each semester.
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Honors requirement.
- ~ Course is only offered at Cornerstone University
- \$ HNR US Diversity requirement can be met with a Jr. Seminar (HNR 312).
- ^ Completion of EGR 485 and 486 will fulfill the HNR 499 Senior Project requirement.
- @ Fulfills HNR Life Science

**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.