

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

Student Name: _____

(2019-20 Catalog) (MTH 201 Placement with Honors Alliance and Conflict - 5 Year Program)

Student ID#: **G** _____

Minor: _____

	1st Semester: Fall _____				2nd Semester: Winter _____				Semester: S/S _____						
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed			
1st Year	* MTH 201	Calculus I	4	_____	_____	* MTH 202	Calculus II	4	_____	_____	_____	_____			
	* CHM 115	Chemistry I	4	_____	_____	* EGR 106	Intro to Egr Design I	3	_____	_____	_____	_____			
	HNR 260		3	_____	_____	HNR 261		3	_____	_____	_____	_____			
	HNR 201	Live, Learn, Lead	3	_____	_____	HNR 262		3	_____	_____	_____	_____			
2nd Year	3rd Semester: Fall _____				4th Semester: Winter _____				Semester: S/S _____						
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed			
	* MTH 203	Calculus III	4	_____	_____	* MTH 302	Lin Alg & DEQ	4	_____	_____	_____	_____			
	* EGR 107	Intro to Egr Design II	3	_____	_____	+ * PHY 231	Physics II	5	_____	_____	_____	_____			
	* PHY 230	Physics I	5	_____	_____	% ECO 210/211	Economics	3	_____	_____	_____	_____			
* STA 220	Statistical Modeling	2	_____	_____											
* EGR 220	Measure/Data Analysis	1	_____	_____											
3rd Year	5th Semester: Fall _____				6th Semester: Winter _____				Semester: S/S _____						
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed			
	* EGR 226	MicroCtrl Pgm Appl	4	_____	_____	* EGR 223	Probab & Signals	3	_____	_____	EGR 290	Engrg Co-op I	3	_____	_____
	* EGR 209	Mech & Mach	4	_____	_____	* EGR 257	Elect Mat'ls & Devices	4	_____	_____					
	@ EGR 224	Intro Dig Sys Design	3	_____	_____	* EGR 214	Circuit Analysis I	4	_____	_____					
* EGR 289	Engrg Co-op Prep	1	_____	_____	! HNR LS	(BMS 202)	4	_____	_____						
4th Year	7th Semester: Fall _____				Semester: Winter _____				8th Semester: S/S _____						
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed			
	EGR 314	Circuit Analysis II	4	_____	_____	EGR 390	Engrg Co-op II (sws)	3	_____	_____	CHM 230	Org & Biochem	4	_____	_____
	EGR 315	Elect Circuits I	4	_____	_____						EGR 323	Signals & Sys	3	_____	_____
EGR 326	Embedded Sys Des	4	_____	_____						# HNR	Jr. Sem	3	_____	_____	
										\$ HNR	US	3	_____	_____	
5th Year	Semester: Fall _____				9th Semester: Winter _____				10th Semester: S/S _____						
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed			
	EGR 490	Engrg Co-op III	3	_____	_____	EGR 403	Med Dev Design	3	_____	_____	& EGR 486	Sr Project II	2	_____	_____
EGR 434	Bioelec Potentials	3	_____	_____	EGR 432	Biomed Imaging	3	_____	_____						
					& EGR 485	Sr Project I	1	_____	_____						
					EGR 435	Math Model Phys	3	_____	_____						

PCEC Student Services: (616)331-6025

- * Engineering Foundation course
- + Engineering Physics II (PHY 234) is available in fall only.
- # The Jr. Seminar fulfills one Issues 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.
- \$ 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.
- ! Required for major
- @ Prerequisite for upper division coursework

If students do not have Advanced Placement credit applicable to the engineering curriculum, e.g., Calculus, Physics, and/or Chemistry, it is strongly recommended that they consider a 5-year plan.

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 in each Foundation 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.