

Study Plan for B.S.E., **Biomedical Engineering (Electrical Emphasis)**

Minor: _____

Student Name: _____

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

Student ID#: G

1st Year	1st Semester: Fall _____				2nd Semester: Winter _____				Semester: S/S _____								
			Credits	Grade	Semester Completed			Credits	Grade	Semester Completed			Credits	Grade	Semester Completed		
	* 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		
	* 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		
	* EGR 226	MicroCtrl Pgm Appl	4	_____	_____	* EGR 223	Probab & Signals	3	_____	_____			EGR 290	Engrg Co-op I	3	_____	_____
	* EGR 214	Circuit Analysis I	4	_____	_____	* EGR 257	Elect Mat'ls & Devices	4	_____	_____							
	* EGR 224	Intro Dig Sys Design	3	_____	_____	! HNR LS	(BMS 202)	4	_____	_____							
	* EGR 289	Engrg Co-op Prep	1	_____	_____	\$ HNR US		3	_____	_____							
4th Year	7th Semester: Fall _____				Semester: Winter _____				8th Semester: S/S _____								
			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	_____	_____			EGR 323	Signals & Sys	3	_____	_____
	EGR 315	Elect Circuits I	4	_____	_____								CHM 230	Organic & Biochen	4	_____	_____
	EGR 326	Embedded Sys Des	4	_____	_____								# HNR Jr. Sem		3	_____	_____
5th Year	Semester: Fall _____				9th Semester: Winter _____				10th Semester: S/S _____								
			Credits	Grade	Semester Completed			Credits	Grade	Semester Completed			Credits	Grade	Semester Completed		
	EGR 490	Engrg Co-op III	3	_____	_____	& EGR 485	Sr Project I	1	_____	_____			& EGR 486	Sr Project II	2	_____	_____
	EGR 434	Bioelectric Potentials	3	_____	_____	EGR 435	MMPS	3	_____	_____			BME Elec		3/4	_____	_____
						BME Elec		3/4	_____	_____							
						BME Elec		3/4	_____	_____							
						EGR 403	Med Dev Design	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.
- ! BMS 202 is required by the major and will fulfill HNR Life Science requirement

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.