

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

(2019-20 Catalog) (MTH 201 Placement - 5 Year Program)

Student Name: _____

Student ID#: _____

Year	Semester	Credits	Grade	Semester Completed	Semester	Credits	Grade	Semester Completed	Semester	Credits	Grade	Semester Completed
1st Year	1st Semester: Fall				2nd Semester: Winter				Semester: S/S			
	* MTH 201 Calculus I	4			* MTH 202 Calculus II	4						
	* WRT 150 Writ Strategies	4			* CHM 115 Chemistry I	4						
	* EGR 106 Intro to Egr Design I	3			* EGR 107 Intro to Egr Design I	3						
	GE - HP	3			GE-Arts	3						
2nd Year	3rd Semester: Fall				4th Semester: Winter				Semester: S/S			
	* MTH 203 Calculus III	4			* MTH 302 Lin Alg & DEQ	4						
	* EGR 224 Intro Dig Sys Desgr	3			* PHY 230 Physics I	5						
	* EGR 226 MicroCtrl Pgm Appl	4			* STA 220 Statistical Modeling	2						
@ GE - P & L (PHI 102 Ethics)	3			* EGR 220 Measure/Data Analysis	1							
				• GE-SBS	3							
3rd Year	5th Semester: Fall				6th Semester: Winter				Semester: S/S			
	+ * PHY 234/1 Physics II	4/5			* 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						
	# GE - GP	3			GE-US	3						
* EGR 289 Engrg Co-op Prep	1			% ECO 210/211 Economics	3							
4th Year	7th Semester: Fall				Semester: Winter				8th Semester: S/S			
	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							BMS 202 Anatomy & Phys	4		
	EGR 326 Embedded Sys Des	4							GE - Issue	3		
CHM 230 Organic & Biochem	4							GE - Issue	3			
5th Year	Semester: Fall				9th Semester: Winter				10th Semester: S/S			
	EGR 490 Engrg Co-op III	3			EGR 485 Sr Project I	1			EGR 486 Sr Project II	2		
	EGR 434 Bioelectric Potential	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
- + Students may enroll in PHY 231 instead of PHY 234
- Consider taking a course that fulfills the U.S. Diversity Category and one non-ECO Social and Behavioral Science course.
- # Consider taking a course that fulfills the Global Perspectives Category and one Issues course.
- @ An ethics course is required in the engineering program (refer to MyPath for more options)
Consider taking PHI 102 as an SWS
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS GenEd requirement.
- ! Also fulfills the General Education Life Science 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
- 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