

**Study Plan for B.S.E., INTERDISCIPLINARY ENGINEERING & Bioelectrical emphasis**
**(2018-19 Catalog) (MTH 201 Placement - 4 Year Program)**
**Student Name:** \_\_\_\_\_

**Student ID#:** G

1st Year	1st Semester: Fall_____				Credits	Grade	Semester Completed	2nd Semester: Winter _____				Credits	Grade	Semester Completed	Semester: S/S _____			Credits	Grade	Semester Completed
	* MTH	201	Calculus I	4	_____	_____	* MTH	202	Calculus II	4	_____	_____	_____			_____	_____	_____		
	* WRT	150	Writ Strategies	4	_____	_____	* PHY	230	Physics I	5	_____	_____	_____			_____	_____	_____		
	* EGR	106	Intro to Egr Design	3	_____	_____	* EGR	107	Intro to Egr Design II	3	_____	_____	_____			_____	_____	_____		
	* CHM	115	Chemistry I	4	_____	_____	* STA	220	Engrg Statistics	2	_____	_____	_____			_____	_____	_____		
							* EGR	220	Engrg Stats Lab	1	_____	_____	_____							
2nd Year	3rd Semester: Fall_____				Credits	Grade	Semester Completed	4th Semester: Winter _____				Credits	Grade	Semester Completed	Semester: S/S _____			Credits	Grade	Semester Completed
	* MTH	203	Calculus III	4	_____	_____	* MTH	302	Lin Alg & DEQ	4	_____	_____	EGR 290 Engrg Co-op I			3	_____	_____		
	* PHY	234/1	Physics II	4/5	_____	_____	* EGR	223	Prob & Signals	3	_____	_____	* EGR 214 Circuit Analysis I			4	_____	_____		
	* EGR	209	Mech & Mach	4	_____	_____	* EGR	257	Elect Mat'ls & Devices	4	_____	_____								
	* EGR	224	Intro Dig Sys Desig	3	_____	_____	* EGR	226	MicroCtrl Pgm Appl	4	_____	_____								
	* EGR	289	Engrg Co-op Prep	1	_____	_____														
3rd Year	5th Semester: Fall_____				Credits	Grade	Semester Completed	Semester: Winter _____				Credits	Grade	Semester Completed	6th Semester: S/S _____			Credits	Grade	Semester Completed
	EGR	314	Circuit Analysis II	4	_____	_____	EGR	390	Engrg Co-op II	3	_____	_____	EGR 323 Signals & Sys			4	_____	_____		
	EGR	315	Elect Circuits I	4	_____	_____	GE - Arts	_____	3	_____	_____	CHM 230 Org & Biochem			4	_____	_____			
	EGR	326	Embedded Sys Des	4	_____	_____						• GE - SBS _____			3	_____	_____			
	GE-LS (BMS 202)			4	_____	_____						@ GE - P & L (PHI 102 Ethics)			3	_____	_____			
												% ECO 210/211 Economics			3	_____	_____			
4th Year	Semester: Fall_____				Credits	Grade	Semester Completed	7th Semester: Winter _____				Credits	Grade	Semester Completed	8th Semester: S/S _____			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	Bioelec Potentials	3	_____	_____	EGR	403	Med Dev Design	3	_____	_____	# GE - GP _____			3	_____	_____		
							EGR	432	Biomed Imaging	3	_____	_____	GE - Hist _____			3	_____	_____		
							EGR	435	Math Model Phys	3	_____	_____	GE - Issue _____			3	_____	_____		
							GE - US	_____	3	_____	_____	GE - Issue _____			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 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)  
Consider taking PHI 102 as an SWS
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS GenEd requirement.
- & Students may take EGR 433 (Electronic Instrumentation)

**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