

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

(2019-20 Catalog) (MTH 123 Placement - 5 Year Program)

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

Student ID#: G

	1st Semester: Fall _____			2nd Semester: Winter _____			Semester: S/S _____					
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed			
1st Year	MTH 123	Trigonometry	3	_____	_____			_____	_____			
	* WRT 150	Writ Strategies	4	_____	_____			_____	_____			
	^ EGR 100	Intro to EGR	1	_____	_____			_____	_____			
	GE - Arts	_____	3	_____	_____			_____	_____			
	^ EGR 180	EGR Prob Solving	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 202	Calculus II	4	_____	_____			_____	_____			
	* EGR 107	Intro to Egr Design II	3	_____	_____			_____	_____			
	@ GE - P & L (PHI 102 Ethics)	_____	3	_____	_____			_____	_____			
3rd Year	5th Semester: Fall _____			6th Semester: Winter _____			Semester: S/S _____					
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed			
	+ * PHY 234/1	Physics II	4/5	_____	_____			EGR 290	Engrg Co-op I	3	_____	_____
	* EGR 209	Mech & Mach	4	_____	_____			_____	_____			
	\$ EGR 224	Intro Dig Sys Design	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 323	Signals & Sys	3	_____	_____
	EGR 315	Elect Circuits I	4	_____	_____			CHM 230	Org & Biochem	4	_____	_____
	EGR 326	Embedded Sys Des	4	_____	_____			GE - Issue	_____	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 486	Sr Project II	2	_____	_____
	EGR 434	Bioelec Potentials	3	_____	_____			GE - Issue	_____	3	_____	_____

PCEC Student Services: (616)331-6025

- ^ Not required, but strongly recommended for success. Students are advised to take either EGR 100 or EGR 180.
- \* 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)
- ! Required for major
- \$ Prerequisite for upper-division course work

**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