

**Study Plan for B.S.E., ELECTRICAL ENGINEERING Major**

(2019-20 Catalog)

(MTH 110 Placement - 5 Year Program)

Minor: \_\_\_\_\_

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	110	Algebra	4	_____				MTH	124	Functions and Models	5	_____				_____	_____	_____	_____							
	* WRT	150	Writ Strategies	4	_____				* CHM	115	Chemistry I	4	_____				_____	_____	_____	_____							
	^ EGR	100	Intro to Engrg	1	_____				• GE-SBS	_____	_____	3	_____				_____	_____	_____	_____							
	GE - Arts	_____	_____	3	_____				GE - Hist	_____	_____	3	_____				_____	_____	_____	_____							
2nd Year	3rd Semester: Fall _____					Credits	Grade	Semester Completed	4th Semester: Winter _____					Credits	Grade	Semester Completed	Semester: S/S _____					Credits	Grade	Semester Completed			
	* MTH	201	Calculus I	4	_____				* MTH	202	Calculus II	4	_____				_____	_____	_____	_____							
	* EGR	106	Intro to Egr Design I	3	_____				* EGR	107	Intro to Egr Design II	3	_____				_____	_____	_____	_____							
	% ECO	210/211	Economics	3	_____				* PHY	230	Physics I	5	_____				_____	_____	_____	_____							
	@ GE - P & L (PHI 102 Ethics)	_____	_____	3	_____				* STA	220	Statistical Modeling	2	_____				_____	_____	_____	_____							
3rd Year	5th Semester: Fall _____					Credits	Grade	Semester Completed	6th Semester: Winter _____					Credits	Grade	Semester Completed	Semester: S/S _____					Credits	Grade	Semester Completed			
	* MTH	203	Calculus III	4	_____				* MTH	302	Lin Alg & DEQ	4	_____				_____	_____	_____	_____							
	+ * PHY	234/1	Physics II	4/5	_____				* EGR	223	Probab & Signals	3	_____				_____	_____	_____	** EGR	290				Engrg Co-op I	3	_____
	* EGR	224	Intro Dig Sys Design	3	_____				* EGR	257	Elect Mat'ls & Devices	4	_____				_____	_____	_____	# GE - GP	_____				3	_____	_____
	* EGR	226	MicroCtrl Pgm Appl	4	_____				* EGR	214	Circuit Analysis I	4	_____				_____	_____	_____	_____	_____				_____	_____	_____
4th Year	7th Semester: Fall _____					Credits	Grade	Semester Completed	Semester: Winter _____					Credits	Grade	Semester Completed	8th Semester: S/S _____					Credits	Grade	Semester Completed			
	EGR	314	Circuit Analysis II	4	_____				EGR	390	Engrg Co-op II (SWS)	3	_____				_____	_____	_____	EGR	330				Power Systems	4	_____
	EGR	315	Elect Circuits I	4	_____				_____	_____	_____	_____	_____				_____	_____	EGR	343	Applied E/M				4	_____	_____
	EGR	326	Embedded Sys Des	4	_____				_____	_____	_____	_____	_____				_____	_____	EGR	323	Signals & Sys				3	_____	_____
	GE - Issue	_____	_____	3	_____				_____	_____	_____	_____	_____				_____	_____	GE - Issue	_____	_____				3	_____	_____
5th Year	Semester: Fall _____					Credits	Grade	Semester Completed	9th Semester: Winter _____					Credits	Grade	Semester Completed	10th Semester: S/S _____					Credits	Grade	Semester Completed			
	EGR	490	Engrg Co-op III	3	_____				EE	Elec	_____	3/4	_____				_____	_____	EGR	486	Sr Project II				2	_____	_____
	EE	Elec	_____	3/4	_____				EE	Elec	_____	3/4	_____				_____	_____	EE	Elec	_____				3/4	_____	_____
	_____	_____	_____	_____	_____				EGR	485	Sr Project I	1	_____				_____	_____	GE - LS	_____	_____				3	_____	_____
	_____	_____	_____	_____	_____				_____	_____	_____	_____	_____				_____	_____	GE - US	_____	_____				3	_____	_____

**PCEC Student Services: (616)331-6025**

- \* Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- ^ Not required, but strongly recommended for success
- 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 or another ethics course in General Education). Consider taking PHI 102 as an SWS.
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.
- \*\* If necessary, students may take one engineering foundation course with EGR 290.

**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 thread with MTH 202.