

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

(2019-20 Catalog) (MTH 122 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	122	College Algebra	3	_____	_____	MTH	123	Trigonometry	3	_____	_____	_____	_____	_____	_____	_____		
	*	WRT	150	Writ Strategies	4	_____	_____	*	CHM	115	Chemistry I	4	_____	_____	_____	_____	_____			
	^	EGR	100	Intro to Engrg	1	_____	_____		GE - Hist	_____	3	_____	_____	_____	_____	_____				
		GE - Arts	_____	_____	3	_____	_____	GE - LS	_____	3	_____	_____	_____	_____	_____					
	•	GE-SBS	_____	_____	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 - GP	_____	_____	3	_____	_____	*	STA	220	Statistical Modeling	2	_____	_____	_____	_____				
							*	EGR	220	Measure/Data Analysis	1	_____	_____	_____	_____					
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	_____	_____	EGR	290	Engrg Co-op I	3	_____	_____
	+	*	PHY	234/1	Physics II	4/5	_____	_____	*	EGR	223	Probab & Signals	3	_____	_____	_____	_____	_____		
	*	EGR	224	Intro Dig Sys Design	3	_____	_____	*	EGR	257	Elect Mat'l's & Devices	4	_____	_____	_____	_____				
	*	EGR	226	MicroCtrl Pgm Appl	4	_____	_____	*	EGR	214	Circuit Analysis I	4	_____	_____	_____	_____				
	*	EGR	289	Engrg Co-op Prep	1	_____	_____													
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	_____	_____	GE - Issue	_____	3	_____	_____	EGR	343	Applied E/M	4	_____	_____			
	EGR	326	Embedded Sys Des	4	_____	_____						EGR	323	Signals & Sys	3	_____	_____			
	GE - Issue	_____	_____	3	_____	_____					@ GE - P & L (PHI 102 Ethics)	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 - US	_____	3	_____	_____										

PCEC Student Services: (616)331-6025

- * Engineering Foundation course
- \$ Students may elect to take MTH 124 instead of MTH 122 and MTH 123
- + 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.

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.