

Study Plan for B.S.E., *INTERDISCIPLINARY ENGINEERING* Major & *CE Foundation*

(2016-17 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	_____	_____	• GE-SBS (SOC 105 or LIB 201)_____	3	_____	_____
	*	EGR	214	Circuit Analysis I	4	_____	_____	*	CIS	163	Comp Sci II	4	_____	_____					
	*	CIS	162	Comp Sci I	4	_____	_____	*	EGR	226	Intro Digital Sys	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	
	&	Required Energy		4	_____	_____	EGR 390	Engrg Co-op II	3	_____	_____	\$	Required Control		4	_____	_____		
	!	Required Systems		4	_____	_____	GE - Arts	_____	3	_____	_____	@	GE - P & L (PHI 102 Ethics)		3	_____	_____		
		Int	Elec	_____	3/4	_____							Int	Elec	_____	3/4	_____		
		GE-LS		3/4	_____	_____							Int	Elec	_____	3/4	_____		
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	_____	_____	
	GE - Issue		_____	3	_____	_____	Int	Elec	_____	3/4	_____	_____	Int	Elec	_____	3/4	_____	_____	
							Int	Elec	_____	3/4	_____	_____	#	GE - World Persp (ANT 340)		3	_____	_____	
													GE - Hist		3	_____	_____		
													% GE-SBS (ECO 210 or 211)_____		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
- SOC 105 recommended (covers SBS and US)
- # ANT 340 is WP and Issue. Prereq for ANT 340 is another WP or US Diversity course.
- @ 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.
Must choose EGR 330 (Summer) , EGR 360 (Fall) or EGR 362 (Summer).
- & EGR 330 has additional prerequisite of EGR 323 which is not included in foundations.
- ! Must choose EGR 345 (Fall), EGR 346 (Fall) or EGR 314 (Fall)
- \$ Must choose EGR 450 (Winter) or EGR 455 Summer

The Interdisciplinary elective course plan, 25-28 credits, must be approved by the IE committee and must contain a minimum of 14 credits of engineering science to fulfill minimum ABET requirements.

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.