

Study Plan for B.S.E., INTERDISCIPLINARY ENGINEERING & Engineering Management emphasis

(2018-19 Catalog) (MTH 123 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	123	Trigonometry	3	_____	_____	*	MTH	201	Calculus I	4	_____	_____	_____	_____	_____	_____		
	*	WRT	150	Writ Strategies	4	_____	_____	*	CHM	115	Chemistry I	4	_____	_____	_____	_____	_____		
	^	EGR	100	Intro to Engrg	1	_____	_____	*	EGR	106	Intro to Egr Design I	3	_____	_____	_____	_____	_____		
	GE - Hist		_____	3	_____	_____	• GE-SBS		_____	3	_____	_____			_____	_____			
	GE - Arts		_____	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	202	Calculus II	4	_____	_____	*	MTH	203	Calculus III	4	_____	_____	_____	_____	_____		
	*	EGR	107	Intro to Egr Design II	3	_____	_____	*	STA	220	Engrg Statistics	2	_____	_____	_____	_____	_____		
	GE - LS		_____	3	_____	_____	*	EGR	220	Engrg Stats Lab	1	_____	_____			_____	_____		
	GE - US		_____	3	_____	_____	*	PHY	230	Physics I	5	_____	_____			_____	_____		
							@	GE - P & L (PHI 102 Ethics)			3	_____	_____						
3rd Year	5th Semester: Fall _____			Credits	Grade	Semester Completed	6th Semester: Winter _____			Credits	Grade	Semester Completed	Semester: S/S _____			Credits	Grade	Semester Completed	
	+	*	PHY	234/1	Physics II	4/5	*	MTH	302	Lin Alg & DEQ	4	_____	_____	EGR 290		Engrg Co-op I	3	_____	_____
		*	EGR	209	Mech & Mach	4	_____	_____	*	EGR	309	Machine Design I	4	_____	_____			_____	_____
		*	EGR	226	MicroCtrl Pgm Appl	4	_____	_____	*	EGR	250	Material Sci & Egr	4	_____	_____			_____	_____
		*	EGR	289	Engrg Co-op Prep	1	_____	_____	*	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	345	Dyn Sys Mod	4	_____	_____	EGR 390		Engrg Co-op II (SWS)	3	_____	_____	&	EGR	362	Thermo-Fluids	4	_____	_____
	EGR	367	Mfg Processes	4	_____	_____	GE - Issue		_____	3	_____	_____	EGR	440	Production Models	3	_____	_____	
	ACC	212	Principles of Fin Acc	3	_____	_____						EGR	441	Engrg Econ/QC/Mfg Ops	4	_____	_____		
	BUS	201	Legal Env for Bus	3	_____	_____						ACC	213	Financial Acct	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	_____	_____	EGR	485	Sr Project I	1	_____	_____	EGR	486	Sr Project II	2	_____	_____	
	GE - Issue		_____	3	_____	_____	FIN	320	Managerial Fin	3	_____	_____	MKT	350	Marketing MGT	3	_____	_____	
							MGT	331	Concepts of Mgt	3	_____	_____							
							#	GE - GP		3	_____	_____							
							%	ECO 210/211 Economics		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. Students are advised to take either EGR 100 or EGR 180.
- 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).
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.
- & Students may take EGR 362-Thermo Fluids or EGR 360-Thermo (Fall only)

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