

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

(2018-19 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 I	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 309	Mach Design I	4	_____	_____	*	EGR 312	Dynamics	3	_____	_____
	*	EGR 226	MicroCtrl Pgm Appl	4	_____	_____	*	EGR 250	Mat Sci & Engrg	4	_____	_____						
	*	EGR 209	Mech & Mach	4	_____	_____	*	EGR 214	Circuit Analysis I	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
		EGR 346	Mechatronics & Ctrl	4	_____	_____	EGR 390	Engrg Co-op II	3	_____	_____		EGR 365	Fluid Mechanics	4	_____	_____	
		EGR 360	Thermodynamics	4	_____	_____	EGR 447	Mech/Human Motion	3	_____	_____		CHM 230	Org & Biochem	4	_____	_____	
		GE - LS (BMS 202)		4	_____	_____						• GE-SBS		3	_____	_____		
	%	ECO 210/211	Economics	3	_____	_____						@ GE - P & L (PHI 102 Ethics)		3	_____	_____		
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	_____	_____	EGR 403	Med Dev Design	3	_____	_____		GE - Arts		3	_____	_____	
							EGR 435	Math Model Phys	3	_____	_____	# GE - GP		3	_____	_____		
							EGR 465	Comp Fluid Dyn	3	_____	_____	GE - Hist		3	_____	_____		
							GE - US		3	_____	_____	GE - Issue		3	_____	_____		

PCEC Student Services: (616)331-6025

- * 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.

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