

Study Plan for B.S.E., INTERDISCIPLINARY ENGINEERING Major with Design & Innovation emph Student Name: _____

(2018-19 Catalog) (MTH 201 Placement - 4 Year Program)

Minor: _____

Student ID#: G

1st Year	1st Semester: Fall _____			2nd Semester: Winter _____			Semester: S/S _____		
	Credits	Grade	Completed	Credits	Grade	Completed	Credits	Grade	Completed
1st Year	* MTH 201	Calculus I	4	_____	_____	_____	_____	_____	_____
	* WRT 150	Writ Strategies	4	_____	_____	_____	_____	_____	_____
	* EGR 106	Intro to Egr Design	3	_____	_____	_____	_____	_____	_____
	* CHM 115	Chemistry I	4	_____	_____	_____	_____	_____	_____
2nd Year	3rd Semester: Fall _____			4th Semester: Winter _____			Semester: S/S _____		
	Credits	Grade	Completed	Credits	Grade	Completed	Credits	Grade	Completed
2nd Year	* MTH 203	Calculus III	4	_____	_____	_____	EGR 290	Engrg Co-op I	3
	+ PHY 234/	Physics II	4/5	_____	_____	_____	* EGR 226	MicroCtrl Pgm A	4
	~ IDS 101	Inov & Prob Solvir	2	_____	_____	_____			
	* EGR 209	Mech & Mach	4	_____	_____	_____			
3rd Year	* EGR 289	Engrg Co-op Prep	1	_____	_____	_____			
3rd Year	5th Semester: Fall _____			Semester: Winter _____			6th Semester: S/S _____		
	Credits	Grade	Completed	Credits	Grade	Completed	Credits	Grade	Completed
	EGR 301	Fund Prod Des	4	_____	_____	_____	* EGR 362	Themo-Fluid Sy	4
	EGR 345	Dyn Sys Mod	4	_____	_____	_____	GE Arts	_____	3
4th Year	EGR 367	Mfg Processes	4	_____	_____	_____	% ECO 210/211	Economics	3
	~ MDA 112	Design Drawing I	3	_____	_____	_____	! LIB 310	Creativity	3
4th Year	Semester: Fall _____			7th Semester: Winter _____			8th Semester: S/S _____		
	Credits	Grade	Completed	Credits	Grade	Completed	Credits	Grade	Completed
	EGR 490	Engrg Co-op III	3	_____	_____	_____	EGR 486	Sr Project II	2
	~ IDS 313	Thought & Design	3	_____	_____	_____	@ GE - P&L (PHI 102 Ethics)	_____	3
4th Year				EGR 485	Sr Project I	1	GE - LS	_____	3
				~ IDS 413	Thought & Design III	3	GE - Hist	_____	3
				~ IDS 312	Human Innovation	3			
				# GE - GP/Issue	_____	_____			
4th Year				• GE - SBS/US	_____	_____			
				^ IE Elec	_____	3/4			
4th Year	Semester: Fall _____			7th Semester: Winter _____			8th Semester: S/S _____		
	Credits	Grade	Completed	Credits	Grade	Completed	Credits	Grade	Completed
	EGR 490	Engrg Co-op III	3	_____	_____	_____	EGR 486	Sr Project II	2
	~ IDS 313	Thought & Design	3	_____	_____	_____	@ GE - P&L (PHI 102 Ethics)	_____	3
4th Year				EGR 485	Sr Project I	1	GE - LS	_____	3
				~ IDS 413	Thought & Design III	3	GE - Hist	_____	3
				~ IDS 312	Human Innovation	3			
				# GE - GP/Issue	_____	_____			
4th Year				• GE - SBS/US	_____	_____			
				^ IE Elec	_____	3/4			

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 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.
- Students may enroll in EGR 362 or EGR 360 - Thermodynamics (Fall)
- ^ Students may enroll in EGR 401-Adv. Product Design (Winter), EGR 403-Medical Device Design (Winter), or EGR 405-Material Failure (Spring/Summer)
- ~ Course is only offered at Cornerstone University
- ! LIB 310 fulfills an Issues 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.