

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 I	3	_____	_____			_____	_____
	* CHM 115	Chemistry I	4	_____	_____			_____	_____
2nd Year	* MTH 202	Calculus II	4	_____	_____			_____	_____
	* PHY 230	Physics I	5	_____	_____			_____	_____
	* EGR 107	Intro to Egr Design II	3	_____	_____			_____	_____
	* STA 220	Statistical Modeling	2	_____	_____			_____	_____
2nd Year	* EGR 220	Measure/Data Analys	1	_____	_____			_____	_____
	3rd Semester: Fall _____			4th Semester: Winter _____			Semester: S/S _____		
	Credits	Grade	Completed	Credits	Grade	Completed	Credits	Grade	Completed
	* MTH 203	Calculus III	4	_____	_____			_____	_____
2nd Year	+ PHY 234/	Physics II	4/5	_____	_____			_____	_____
	~ IDS 101	Inov & Prob Solvir	2	_____	_____			_____	_____
	* EGR 209	Mech & Mach	4	_____	_____			_____	_____
	* EGR 289	Engrg Co-op Prep	1	_____	_____			_____	_____
3rd Year	* MTH 302	Lin Alg & DEQ	4	_____	_____			_____	_____
	* EGR 309	Mach Design I	4	_____	_____			_____	_____
	* EGR 250	Materials Science	4	_____	_____			_____	_____
	* EGR 214	Circuit Analysis I	4	_____	_____			_____	_____
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 345	Dyn Sys Mod	4	_____	_____			_____	_____
3rd Year	EGR 367	Mfg Processes	4	_____	_____			_____	_____
	~ MDA 112	Design Drawing I	3	_____	_____			_____	_____
	EGR 390	Engrg Co-op II (SWS)	3	_____	_____			_____	_____
	LIB 323	Design Thinking	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	_____	_____			_____	_____
	~ IDS 313	Thought & Design	3	_____	_____			_____	_____
4th Year	EGR 485	Sr Project I	1	_____	_____			_____	_____
	~ IDS 413	Thought & Design III	3	_____	_____			_____	_____
	~ IDS 312	Human Innovation	3	_____	_____			_____	_____
	# GE - GP/Issue		3	_____	_____			_____	_____
4th Year	• GE - SBS/US		3	_____	_____			_____	_____
	^ IE Elec		3/4	_____	_____			_____	_____
	EGR 486	Sr Project II	2	_____	_____			_____	_____
	@ GE - P&L (PHI 102 Ethics)		3	_____	_____			_____	_____
4th Year	GE - LS		3	_____	_____			_____	_____
	GE - HP		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 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 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.