

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

(2019-20 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
	* 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 Statistical Modeling	2	_____			
				* EGR 220 Measure/Data Analys	1	_____			
2nd Year	3rd Semester: Fall _____			4th Semester: Winter _____			Semester: S/S _____		
	Credits	Grade	Completed	Credits	Grade	Completed	Credits	Grade	Completed
	* MTH 203 Calculus III	4	_____	* MTH 302 Lin Alg & DEQ	4	_____	EGR 290 Engrg Co-op I	3	_____
	+ PHY 234/ Physics II	4/5	_____	* EGR 309 Mach Design I	4	_____	* EGR 226 MicroCtrl Pgm A	4	_____
	~ IDS 101 Innov & Prob Solv	2	_____	* EGR 250 Materials Science	4	_____			
	* EGR 209 Mech & Mach	4	_____	* EGR 214 Circuit Analysis I	4	_____			
	* 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 390 Engrg Co-op II (SWS)	3	_____	EGR 362 Themo-Fluid Sy	4	_____
	EGR 345 Dyn Sys Mod	4	_____	LIB 323 Design Thinking	3	_____	GE Arts _____	3	_____
	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 485 Sr Project I	1	_____	EGR 486 Sr Project II	2	_____
	~ IDS 313 Thought & Design	3	_____	~ IDS 413 Thought & Design III	3	_____	@ GE - P&L (PHI 102 Ethics)	3	_____
				~ IDS 312 Human Innovation	3	_____	GE - LS _____	3	_____
				# GE - GP/Issue	3	_____	GE - HP _____	3	_____
				• GE - SBS/US	3	_____			
				^ 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 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.