

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

Student Name: \_\_\_\_\_

(2019-20 Catalog) (MTH 201 Placement - Honors Alliance and Conflict 5 Year Program)

Student ID#: G

Minor: \_\_\_\_\_

	1st Semester: Fall _____	Credits	Grade	Semester Completed	2nd Semester: Winter _____	Credits	Grade	Semester Completed	Semester: S/S _____	Credits	Grade	Semester Completed
1st Year	* MTH 201 Calculus I	4	_____	_____	* MTH 202 Calculus II	4	_____	_____	_____	_____	_____	_____
	* CHM 115 Chemistry I	4	_____	_____	* EGR 106 Intro to Egr Design I	3	_____	_____	_____	_____	_____	_____
	HNR 260 _____	3	_____	_____	HNR 261 _____	3	_____	_____	_____	_____	_____	_____
	HNR 201 Live, Learn, Lead	3	_____	_____	HNR 262 _____	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 203 Calculus III	4	_____	_____	* MTH 302 Lin Alg & DEQ	4	_____	_____	_____	_____	_____	_____
	* STA 220 Statistical Modeling	2	_____	_____	% ECO 210/211 Economics	3	_____	_____	_____	_____	_____	_____
	* EGR 220 Measure/Data Analysis	1	_____	_____	* PHY 230 Physics I	5	_____	_____	_____	_____	_____	_____
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	_____	_____	* EGR 309 Machine Design I	4	_____	_____	EGR 290 Engrg Co-op I	3	_____	_____
	* EGR 226 MicroCtrl Pgm Appl	4	_____	_____	* EGR 250 Material Sci & Egr	4	_____	_____	_____	_____	_____	_____
	* EGR 209 Mech & Mach	4	_____	_____	* 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	_____	_____	_____	_____	_____	_____	EGR 440 Production Models	3	_____	_____
	ACC 212 Principles of Fin Acc	3	_____	_____	_____	_____	_____	_____	EGR 441 Engrg Econ/QC/Mfg Ops	4	_____	_____
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	_____	_____
	_____	_____	_____	_____	FIN 320 Managerial Fin	3	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	MGT 331 Concepts of Mgt	3	_____	_____	_____	_____	_____	_____

**PCEC Student Services: (616)331-6025**

- \* Engineering Foundation course - requires PDM foundations
- + Students may enroll in PHY 231 instead of PHY 234
- # The Jr. Seminar fulfills one Issue and one SWS requirement. HNR 312 will also fulfill US Diversity
- Junior Seminars can be taken when students have >= 45 credits. Online seminars offered each semester.
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Honors requirement.
- \$ HNR US Diversity requirement can be met with a Jr. Seminar (HNR 312).
- ^ Completion of EGR 485 and 486 will fulfill the HNR 499 Senior Project 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.