Study Plan for B.S.E., PRODUCT DESIGN & MANUFACTURING ENGINEERING Major & Mfg Sys Emphasis

(2019-20 Catalog) (MTH 201 Placement with Honors Alliance and Conflict - 4 Year Program)

Student	Name:
Student	ID#:

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Minor: _____

1st Year	* MTH 201 Calculus I * CHM 115 Chemistry I HNR 260 HNR 201 Live, Learn, Lead	3 3 3	 Semester Completed	2nd S * MTH * EGR HNR HNR		er: Winter Calculus II Intro to Egr Design I	3 3 3		Semester Completed	* E0		Calculus III	4	Semester Completed
2nd Year	3rd Semester: Fall * PHY 234/1 Physics II * STA 220 Statistical Modeling * EGR 220 Measure/Data Analysis * EGR 209 Mech & Mach * EGR 289 Engrg Co-op Prep	4/5 2 3 1 4 1	 Semester Completed	4th So * MTH * EGR * EGR * EGR	302 309 250	er: Winter Lin Alg & DEQ Mach Design I Mat. Sci. & Engrg MicroCtrl Pgm Appl			Semester Completed		GR 290	Engrg Co-op I Circuit Analysis I		Semester Completed
		lits	Semester				dits		Semester		_		dits	Semester
3rd Year	5th Semester: FallEGR301Fund Prod DesEGR345Dyn Sys ModEGR367Mfg Processes	4 4 4	 Completed			Vinter Engrg Co-op II (sws)	3	Grade	Completed	E0 E0	GR 362 GR 440 GR 441		3 4 3 4 3	

PCEC Student Services: (616)331-6025

- Engineering Foundation course
- 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.

- 6 ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS HNR 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.
- ^ Electives (2 required)

EGR 413 Materials for Energy Storage

EGR 445 Robotics Systems Engineering

MGT 337 Supply Chain Management

STA 314 Statistical Quality Methods OR STA 315 Design of Experiments

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 in each Foundation course.
- 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.

If students do not have Advanced Placement credit applicable to the engineering curriculum, e.g., Calculus, Physics, and/or Chemistry, it is strongly recommended that they consider a 5-year plan.