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 - 5 Year Program)

Iinor:		

Student Name:					
Student ID#:	G				

1st Year	* MTH 201 Calculus I CHM 115 Chemistry I HNR 260 HNR 201 Live, Learn, Lead	3	Semester e Completed	2nd Semester: Winter	Semester: S/S Semester Semester Semester Completed Semester Semester
2nd Year	* MTH 203 Calculus III * EGR 107 Intro to Egr Design II * PHY 230 Physics I * STA 220 Statistical Modeling * EGR 220 Measure/Data Analysis	3 5 2	Semester e Completed	# MTH 302 Lin Alg & DEQ	Semester: S/S \$\frac{\fir}{\frac{\fir}{\fir}}}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac
3rd Year	5th Semester: Fall* EGR226MicroCtrl Pgm Appl* EGR214Circuit Analysis I* EGR209Mech & Mach* EGR289Engrg Co-op Prep	4	Semester e Completed	6th Semester: Winter \$\frac{8}{5}\$ Grade Semester Completed * EGR 309 Mach Design I 4	Semester: S/S \$\frac{\frac{1}{2}}{\frac{1}{2}}\$ Grade Completed EGR 290 Engrg Co-op I 3
4th Year	7th Semester: Fall EGR 301 Fund Prod Des EGR 345 Dyn Sys Mod EGR 367 Mfg Processes	4	Semester e Completed	Semester: Winter Semester Completed EGR 390 Engrg Co-op II (sws) 3	8th Semester: S/S
5th Year	Semester: Fall EGR 490 Engrg Co-op III	•	Semester e Completed — –	9th Semester: Winter \$\frac{5}{5}\$ Grade Semester Completed EGR 450 Mfg Controls 4	10th Semester: S/S \(\frac{\frac{5}{8}}{8} \) \(\text{Grade} \) \(\text{Completed} \) \(\text{8} \) \(\text{EGR} \) 486 \(\text{Sr Project II} \) 2 \(\text{2} \) \(\text{PDM} \) \(\text{Elec} \) \(\text{PDM} \) \(\text{Elec} \) \(\text{2} \)

PCEC Student Services: (616)331-6025

- Engineering Foundation course
- + Engineering Physics II (PHY 234) is available in fall only.
- the Jr. Seminar fulfills one Issues 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 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.