

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

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

Minor: _____

Student Name: _____

Student ID#: G

1st Year	1st Semester: Fall _____						2nd Semester: Winter _____						Semester: S/S _____					
	* MTH	201	Calculus I	Credits	Grade	Semester Completed	* MTH	202	Calculus II	Credits	Grade	Semester Completed				Credits	Grade	Semester Completed
	* 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 _____						4th Semester: Winter _____						Semester: S/S _____					
	* MTH	203	Calculus III	Credits	Grade	Semester Completed	* MTH	302	Lin Alg & DEQ	Credits	Grade	Semester Completed				Credits	Grade	Semester Completed
	* EGR	107	Intro to Egr Design I	3	_____	_____	+ * PHY	231	Physics II	5	_____	_____				—	_____	_____
	* PHY	230	Physics I	5	_____	_____	% ECO	210/211	Economics	3	_____	_____				—	_____	_____
	* STA	220	Statistical Modeling	2	_____	_____										—	_____	_____
EGR	220	Measure/Data Analysis	1	_____	_____													
3rd Year	5th Semester: Fall _____						6th Semester: Winter _____						Semester: S/S _____					
	* EGR	226	MicroCtrl Pgm Appl	Credits	Grade	Semester Completed	* EGR	309	Mach Design I	Credits	Grade	Semester Completed	EGR	290	Engrg Co-op I	Credits	Grade	Semester Completed
	* EGR	214	Circuit Analysis I	4	_____	_____	* EGR	250	Mat Sci & Engrg	4	_____	_____				3	_____	_____
	* EGR	209	Mech & Mach	4	_____	_____	HNR	LS	_____	3	_____	_____					_____	_____
	* EGR	289	Engrg Co-op Prep	1	_____	_____	\$ HNR	US	_____	3	_____	_____					_____	_____
4th Year	7th Semester: Fall _____						Semester: Winter _____						8th Semester: S/S _____					
	EGR	301	Fund Prod Des	Credits	Grade	Semester Completed	EGR	390	Engrg Co-op II (sws)	Credits	Grade	Semester Completed	EGR	362	Thermo-Fluid Sys	Credits	Grade	Semester Completed
	EGR	345	Dyn Sys Mod	4	_____	_____				3	_____	_____	EGR	440	Prod'n Models	3	_____	_____
	EGR	367	Mfg Processes	4	_____	_____							PDM	Elec	_____	3/4	_____	_____
5th Year	Semester: Fall _____						9th Semester: Winter _____						10th Semester: S/S _____					
	EGR	490	Engrg Co-op III	Credits	Grade	Semester Completed	EGR	401	Adv Prod Design	Credits	Grade	Semester Completed	& EGR	486	Sr Project II	Credits	Grade	Semester Completed
				3	_____	_____	EGR	450	Mfg Controls	4	_____	_____	PDM	Elec	_____	3/4	_____	_____
							& EGR	485	Sr Project I	1	_____	_____						

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 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.

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.

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.