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

Student Name: _____

(2019-20 Catalog) ***(MTH 201 Placement - Honors Alliance & Conflict 4 Year Program)***

Student ID#: *G* _____

Minor: _____

		1st Semester: Fall____		Credits	Grade	Semester Completed
1st Year	*	MTH 201	Calculus I	4		
	*	CHM 115	Chemistry I	4		
		HNR 260	_____	3		
		HNR 201	Live, Learn, Lead	3		

		2nd Semester: Winter ____		Credits	Grade	Semester Completed
	*	MTH 202	Calculus II	4		
	*	EGR 106	Intro to Egr Design I	3		
		HNR 261	_____	3		
		HNR 262	_____	3		

		Semester: S/S ____		Credits	Grade	Semester Completed
	*	MTH 203	Calculus III	4		
	*	PHY 230	Physics I	5		
	*	EGR 107	Intro to Egr Design II	3		

		3rd Semester: Fall____		Credits	Grade	Semester Completed
2nd Year	*	STA 220	Statistical Modeling	2		
	*	EGR 220	Measure/Data Analysis	1		
+	*	PHY 234/1	Physics II	4/5		
	*	EGR 226	MicroCtrl Pgm Appl	4		
	*	EGR 209	Mech & Mach	4		
	*	EGR 289	Engrg Co-op Prep	1		

		4th Semester: Winter ____		Credits	Grade	Semester Completed
	*	MTH 302	Lin Alg & DEQ	4		
	*	EGR 309	Machine Design I	4		
	*	EGR 250	Material Sci & Egr	4		
	*	EGR 214	Circuit Analysis I	4		

		Semester: S/S ____		Credits	Grade	Semester Completed
		EGR 290	Engrg Co-op I	3		

		5th Semester: Fall____		Credits	Grade	Semester Completed
3rd Year		EGR 345	Dyn Sys Mod	4		
		EGR 367	Mfg Processes	4		
		ACC 212	Principles of Fin Acc	3		
		BUS 201	Legal Env for Bus	3		

		Semester: Winter ____		Credits	Grade	Semester Completed
		EGR 390	Engrg Co-op II (SWS)	3		
		ACC 213	Principles of Mgr Acc	3		

		6th Semester: S/S ____		Credits	Grade	Semester Completed
		EGR 362	Thermo-Fluids	4		
		EGR 440	Production Models	3		
		EGR 441	Engrg Econ/QC/Mfg Ops	4		
	#	HNR	Jr. Sem _____	3		

		Semester: Fall____		Credits	Grade	Semester Completed
4th Year		EGR 490	Engrg Co-op III	3		

		7th Semester: Winter ____		Credits	Grade	Semester Completed
	^	EGR 485	Sr Project I	1		
		FIN 320	Managerial Fin	3		
		MGT 331	Concepts of Mgt	3		
	%	ECO	210/211 Economics	3		
		HNR LS	_____	3		

		8th Semester: S/S ____		Credits	Grade	Semester Completed
	^	EGR 486	Sr Project II	2		
		MKT 350	Marketing MGT	3		
	$	HNR US	_____	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