Study Plan for B.S.E., INTERDISCIPLINARY *ENGINEERING* Major & Bioelectrical Emphasis

Student Name: ______________________

(2018-19 Catalog) ***(MTH 201 Placement with Honors Alliance and Conflict - 4 Year Program)***

Student ID#: G

Minor: ____________________

1st Year

1st Semester: Fall____				Credits	Grade	Semester Completed
*	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
*	EGR	107	Intro to Egr Design II	3	______	_______
*	MTH	203	Calculus III	4	______	_______
*	PHY	230	Physics I	5	______	_______

2nd Year

3rd Semester: Fall____				Credits	Grade	Semester Completed
+ *	PHY	234/1	Physics II	4/5	______	_______
*	STA	220	Statistical Modeling	2	______	_______
*	EGR	220	Measure/Data Analysis	1	______	_______
*	EGR	209	Mech & Mach	4	______	_______
@	EGR	224	Intro Dig Sys Design	3	______	_______
*	EGR	289	Engrg Co-op Prep	1	______	_______

4th Semester: Winter ____				Credits	Grade	Semester Completed
*	MTH	302	Lin Alg & DEQ	4	______	_______
*	EGR	214	Circuit Analysis I	4	______	_______
*	EGR	257	Elect Mat'ls & Devices	4	______	_______
*	EGR	226	MicroCtrl Pgm Appl	4	______	_______

Semester: S/S ____				Credits	Grade	Semester Completed
	EGR	290	Engrg Co-op I	3	______	_______
*	EGR	223	Probab & Signals	3	______	_______

3rd Year

5th Semester: Fall____				Credits	Grade	Semester Completed
	EGR	314	Circuit Analysis II	4	______	_______
	EGR	315	Elect Circuits I	4	______	_______
	EGR	326	Embedded Sys Des	4	______	_______
!	HNR	LS	(BMS 202)	4	______	_______

Semester: Winter ____				Credits	Grade	Semester Completed
	EGR	390	Engrg Co-op II (SWS)	3	______	_______

6th Semester: S/S ____				Credits	Grade	Semester Completed
	CHM	230	Org & Biochem	4	______	_______
	EGR	323	Signals & Sys	3	______	_______
%	ECO	210/211	Economics	3	______	_______
#	HNR	Jr. Sem	____________	3	______	_______

4th Year

Semester: Fall____				Credits	Grade	Semester Completed
	EGR	490	Engrg Co-op III	3	______	_______
	EGR	434	Bioelec Potentials	3	______	_______

7th Semester: Winter ____				Credits	Grade	Semester Completed
&	EGR	485	Sr Project I	1	______	_______
	EGR	403	Med Dev Design	3	______	_______
	EGR	432	Biomed Imaging	3	______	_______
	EGR	435	Math Model Phys	3	______	_______
$	HNR	US	_____________	3	______	_______

8th Semester: S/S ____				Credits	Grade	Semester Completed
&	EGR	486	Sr Project II	2	______	_______

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.
- % 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.
- ! Required for major
- @ Prerequisite for upper division coursework

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.