

**Study Plan for B.S.E., COMPUTER ENGINEERING Major**
**(2018-19 Catalog) (MTH 201 Placement with Honors Alliance and Conflict - 4 Year Program)**

Minor: \_\_\_\_\_

Student Name: \_\_\_\_\_

 Student ID#: G

1st Year	1st Semester: Fall _____						2nd Semester: Winter _____						Semester: S/S _____								
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed			
	*	MTH	201	Calculus I	4	_____	_____	*	MTH	202	Calculus II	4	_____	_____	*	EGR	107	Intro to Egr Design	3	_____	_____
	*	CHM	115	Chemistry I	4	_____	_____	*	EGR	106	Intro to Egr Design I	3	_____	_____	*	MTH	203	Calculus III	4	_____	_____
		HNR	260		3	_____	_____		HNR	261		3	_____	_____	*	PHY	230	Physics I	5	_____	_____
	HNR	201	Live, Learn, Lead	3	_____	_____		HNR	262		3	_____	_____								
2nd Year	3rd Semester: Fall _____						4th Semester: Winter _____						Semester: S/S _____								
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed			
	+	*	PHY	234/1	Physics II	4/5	_____	_____	*	MTH	302	Lin Alg & DEQ	4	_____	_____	EGR	290	Engrg Co-op I	3	_____	_____
		*	STA	220	Engrg Statistics	2	_____	_____	*	EGR	223	Probab & Signals	3	_____	_____						
		*	EGR	220	Engrg Stats Lab	1	_____	_____	*	CIS	163	Comp Sci II	4	_____	_____						
		*	EGR	226	MicroCtrl Pgm Appl	4	_____	_____	*	EGR	214	Circuit Analysis I	4	_____	_____						
		*	EGR	224	Intro Dig Sys Design	3	_____	_____													
		*	CIS	159	Java for C Programmers	1	_____	_____													
	*	EGR	289	Engrg Co-op Prep	1	_____	_____														
3rd Year	5th Semester: Fall _____						Semester: Winter _____						6th Semester: S/S _____								
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed			
		EGR	314	Circuit Analysis II	4	_____	_____	EGR	390	Engrg Co-op II (sws)	3	_____	_____		CIS	350	Software Engrg	3	_____	_____	
		EGR	315	Elect Circuits I	4	_____	_____								CIS	241	Sys-Level Prog & Util	3	_____	_____	
		EGR	326	Embedded Sys Des	4	_____	_____								CIS	263	Data Struct & Algor	3	_____	_____	
	HNR	LS	_____	3	_____	_____							#	HNR	Jr. Sem	_____	3	_____	_____		
4th Year	Semester: Fall _____						7th Semester: Winter _____						8th Semester: S/S _____								
				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed				Credits	Grade	Semester Completed			
	EGR	490	Engrg Co-op III	3	_____	_____		CIS	452	Oper Systems	4	_____	_____	&	EGR	486	Sr Project II	2	_____	_____	
								CE	Elec	_____	3/4	_____	_____		CE	Elec	_____	3/4	_____	_____	
								CE	Elec	_____	3/4	_____	_____	\$	HNR	US	_____	3	_____	_____	
							%	ECO	210/211	Economics	3	_____	_____								
							&	EGR	485	Sr Project I	1	_____	_____								

**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 Gen Ed 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.