Stud	ly Plan for B.S.E., <u>INTERDISCII</u>	PLINAF	RYEN	GINEERING &	& Renew	able Er	ergy emphasis (Solar	/All Tra	ck)	Student Name:						
(2019-20 Catalog) (MTH 124 Placement - 5 Year Program)				Minor:					Student ID#:	$\underline{G}$						
1st Year	Ist Semester: Fall  MTH 124 Functions & Models * WRT 150 Writ Strategies ! EGR 100 Intro to Engrg ! EGR 180 Intro Egr Prob Solv ^ BIO 105 Environmental Sci	5 _	Grade		2nd 9 * MTH * CHM * EGR GE - F	201 115 106	Calculus I Chemistry I Intro to Egr Design I	signal 4 4 3 3 3	Grade	Semester Completed	Semo	ester: S/S		Credits	Grade	Semester Completed
2nd Year	* MTH 202 Calculus II  * EGR 107 Intro to Egr Design II  * STA 220 Statistical Modeling  * EGR 220 Measure/Data Analysis  @ GE - P & L (PHI 102 Ethics)	3 2 1 3 3 3		Semester Completed			Calculus III Intro Dig Sys Design Physics I	Cediis	Grade	Semester Completed	Semo	ester: S/S		Credits	Grade	Semester Complete
3rd Year	* PHY         234/1 Physics II           * EGR         226 MicroCtrl Pgm Appl           * EGR         209 Mech & Mach           * EGR         289 Engrg Co-op Prep	4/5		Semester Completed	* MTH * EGR * EGR		Lin Alg & DEQ Probability/Signals Elec. Materials Circuit Analysis I	S Credits	Grade	Semester Completed		ester: S/S 290	Engrg Co-op I	c. Credits	Grade	Semester Completed
4th Year	7th Semester: Fall # EGR	•		Semester Completed		ester: W 390	inter Engrg Co-op II (sws)	c. Credits	Grade	Semester Completed	~ EGR	330 or IE 323 or IE GP		3/4 3/4 3	Grade	Semester Complete
5th Year	Semester: Fall  EGR 490 Engrg Co-op III  EGR 463 Alternative Energy	3 _		Completed	9th S  EGR  EGR  EGR  EGR  GEO	485 406 413 Elec 360	Sr Project I Renewable Energy Matls Energy Storage (EGR 430) Earth Resources	1 3 3 3/4 3	Grade	Completed	10th  EGR & IE % ECO	486 Elec.	: S/S Sr Project II (EGR 455) Micro/Macroeconomics	2 3/4 3	Grade	Complete:
*	Engineering Foundation course							Electives	Credits	Title		Semester	Course Prerequisites		Energy	Focus
+ • @ % # &	Students may enroll in PHY 231 instead of PHY 234  Consider taking a course that doubles as SBS and US (See Gen Ed guide for selections)  An ethics course is required in the engineering program (PHI 102 or another ethics course in General Education).  ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS GenEd requirement.  Select one for required IE coursework (EGR 314 and EGR 326 recommended)  A total of four electives is required. Please see a faculty advisor ASAP to select electives.								4 4 4 4 4 3	Circuit Anal Electronic Ci Embedded Syste Electromech Automatic C Math Model of	tit Analysis II Fall double dipping onic Circuits I Fall double dipping onic Circuits I Fall d System Design Fall romechanics Winter EGR 330 natic Control Summer EGR 323		double dipping  EGR 330  EGR 323	Solar Solar Solar All All		ar ar
!	Emphasis required general education course. Check availability ASAP for planning purposes.  Not required, but highly recommended for success.															

## IE Prerequiste course for selected upper-level electives

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 per Foundations 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.