Study Plan for B.S.E., <u>INTERDISCIPLINARY ENGINEERING</u> &					& Renewable Energy emphasis				Student Name:						
(201	8-19 Catalog) (A	MTH 122 Placement	- 5 Year Pro	gram)	Minor:				Student ID#: G						
1st Year	MTH 123 T * WRT 150 V	FallCollege Algebra Trigonometry Vrit Strategies ntro to Engrg	3 3 4	Semester Completed	2nd Semes * MTH 201 * CHM 115 * EGR 106 ^ BIO 105	ter: Winter Calculus I Chemistry I Intro to Egr Design I Environmental Sci.	4 4 3 3		Semester Completed	Semeste	er: S/S		Credits	Grade ————————————————————————————————————	Semester Completed
2nd Year	* EGR 107 II @ GE P & L (I * STA 220 S	: Fall Calculus II That to te gr Design II PHI 102 - Ethics) Statistical Modeling Measure/Data Analysis	4 3 3	Semester Completed	* MTH 203 * PHY 230	er: Winter Calculus III Physics I 211 Economics MicroCtrl Pgm Appl	Credits	Grade	Semester Completed	Semeste	er: S/S		Credits	Grade 	Semester Completed
3rd Year	Semester 5th Semester: Fall \$\frac{\xi}{\xi}\$ \text{Grade} \text{Completed} \text{Completed} \text{Completed} * PHY 234/1 Physics II 4/5			6th Semest * MTH 302 * EGR 309 o * EGR 250 o ~ EGR 224 or	4	Grade	Semester Completed	Semester: S/S EGR 290 Engrg Co-op I			© Credits	Grade	Semester Completed		
4th Year	7th Semester: & EGR 360, 314 \$ EGR 346 M IE Elec _		Si Grade 4 4 3/4	Semester Completed	Semester: Y	Winter Engrg Co-op II (sws)	ω Credits	Grade	Semester Completed	8th Sen & EGR ~ EGR # GE GE • GE	362 or IE I 323 or 365 GP HP SBS/US		3/4 _ 3 _ 3 _ 3 _ 3	Grade	Semester Completed
5th Year		II Engrg Co-op III Alternative Energy	Grade	Semester Completed	9th Semest EGR 485 EGR 406 EGR 413 IE Elec. GEO 360	Sr Project I Renewable Energy Matls Energy Storage Earth Resources	1 3 3 3 3/4 3	Grade	Semester Completed	10th Ser EGR IE	mester: Sa 486 Elec.	/S Sr Project II	2 _ 3/4 _	Grade	Semester Completed
*	Engineering Foundation	on course					Electives	Credits	Title		Semester	Course Prerequisites		Energy F	ocus
+ • #	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) Consider taking a course that doubles as GP and Historical Perspectives (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. IE required course Senergy (must take EGR 360 or EGR 362) Emphasis required general education course. Check course offering ASAP for planning purposes. IE required course Systems and Control (must take EGR 326, EGR 345 or EGR 346)							4 4 4	Electronic C	Circuit Analysis II required course,		Only if not taken for required course, no double dipping	Solar Solar Solar		r r
@ % & ^ \$								4 4 4 3	Dynamic Sys Moo Mechatronic Sys I Kinematics and Materials Failu	Sys Model & Control Fall Jonic Sys Dyn & Control Fall <td colspan="2">red course, no double dippir Windmill, Alternative Cars Windmill, Alternative Cars</td>		red course, no double dippir Windmill, Alternative Cars Windmill, Alternative Cars			
> ! ~	Not required, but highly recommended for success. E Perequise course for upper-level electives (EGR 224 is for Solar Track ONLY!)								Manufacturing Control Systems Wi Automatic Control Sur		Winter Winter Summer Winter	EGR 345 or 346 EGR 323 EGR 365	EGR 345 or 346 Wi EGR 323		nill

Secondary Admission Criteria:

- 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 eudcation course, EGR 289

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It is strongly encouraged that students do not beging 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