Study Plan for B.S.E., <u>INTERDISCIPLINARY ENGINEERING</u> & Renewable Energy emphasis Student Name:											_	
1st Year	Section Sect	Semester Completed	# CHM 115 Chemistry I # EGR 107 Intro to Egr Design II GE - Arts	\$ 2	<i>Grade</i>	Semester Completed	Semester:	S/S	-	Credits	Grade	Semester Completed
2nd Year	3rd Semester: Fall		# MTH 302 Lin Alg & DEQ * PHY 230 Physics I * EGR 226 MicroCtrl Pgm Appl • GE SBS/US	Superior Constitution of the Constitution of t	Grade	Semester Completed	Semester:	S/S		Credits	Grade	Semester Completed
3rd Year	5th Semester: Fall		* EGR 309 or 223 Mach Dsgn or Prob/Signa * EGR 250 or 257 Materials ~ EGR 224 or 312 Intro Dig Sys or Dynamic	4	Grade	Semester Completed 	Semester: EGR	S/S 290	Engrg Co-op I	c Credits	Grade	Semester Completed
4th Year	7th Semester: Fall \$\frac{\sqrt{g}}{\chi}\$ Grade & EGR 360, 314 or IE Elective 4 \$ EGR 346 Mechatronic Sys 4 IE Elec 3/4		Semester: Winter EGR 390 Engrg Co-op II (sws)	v. Credits	Grade	Semester Completed	8th Semest & EGR ~ EGR @ PHI # GE	362 or IE l		3/4 - 3 - 3 - 3	Grade	Semester Completed
5th Year	Semester: Fall \$\frac{8}{6}\$ Grade EGR 490 Engrg Co-op III 3 EGR 463 Alternative Energy 3	Semester Completed	9th Semester: Winter EGR 485 Sr Project I EGR 406 Renewable Energy EGR 413 Matls Energy Storage GEO 360 Earth Resources IE Elec	1 3 3 3 3/4	Grade	Semester Completed	10th Seme EGR IE	ster: S/S 486 Elec.	Sr Project II	2 _ 2/4 _	Grade	Semester Completed
* + • # @ %	 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 Energy (must take EGR 360 or EGR 362) 				4 4 4 4 4	Circuit Ar Electronic Embedded Sy Dynamic Sys Me Mechatronic Sys	Analysis II Fall could dipping c Circuits I Fall system Design Fall Model & Control Fall ys Dyn & Control Fall Only if not taken for received course, no double dipping Fall Only if not taken for received course, no double dipping Fall Only if not taken for received course, no double dipping Only if not taken for received course, no double dipping		Solar Solar Solar Solar			
& ^ \$					3	Kinematics and Dynamics Materials Failure Analysis Flectromechanics		Fall Summer Winter	EGR 312 EGR 250 EGR 330	Windmill, Altern Windmill, Altern		

- 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

IE Prerequiste course for upper-level electives (EGR 224 is for Solar Track ONLY!)

EGR 450

EGR 455

EGR 465

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Manufacturing Control Systems

Automatic Control

Computational Fluid Dynamics

Winter

Summer

Winter

EGR 345 or 346

EGR 323

EGR 365

Windmill

All

Windmill