	•			<u>NG ENGINEERING</u> Major & Design Emphasis			Student Name: G			-
1st Year	9-20 Catalog) (MTH 201 Placement 1st Semester: Fall * MTH 201 Calculus I * WRT 150 Writ Strategies * EGR 106 Intro to Egr Design I GE - HP	sipe Grade 4 4 3	Semester	Minor: 2nd Semester: Winter * MTH 202 Calculus II * CHM 115 Chemistry I * EGR 107 Intro to Egr Design II GE - Arts	Cediis 4 3	Semester Grade Completed	Student ID#: G Semester: S/S	Credits	Grade	Semester ade Completed
2nd Year	3rd Semester: Fall * MTH 203 Calculus III * STA 220 Statistical Modeling * EGR 220 Measure/Data Analysis • GE-SBS @ GE - P & L (PHI 102 Ethics)	2 1 3	Semester Completed	4th Semester: Winter * MTH 302 Lin Alg & DEQ % ECO 210/211 Economics * PHY 230 Physics I # GE - GP	4	Semester Grade Completed	Semester: S/S	Credits	Grade	Semester Completed
3rd Year	5th Semester: Fall * PHY 234/1 Physics II * EGR 226 MicroCtrl Pgm Appl * EGR 209 Mech & Mach * EGR 289 Engrg Co-op Prep	4	Semester Completed	6th Semester: Winter * EGR 309 Mach Design I * EGR 250 Mat Sci & Engrg * EGR 214 Circuit Analysis I GE - LS	4 4 4	Semester Grade Completed	Semester: S/S EGR 290 Engrg Co-op I	∪ Credits	Grade	Semester Completed
4th Year	7th Semester: Fall EGR 301 Fund Prod Des EGR 345 Dyn Sys Mod EGR 367 Mfg Processes GE - Issue	4	Semester Completed	Semester: Winter EGR 390 Engrg Co-op II (SWS)	0	Semester Grade Completed	8th Semester: S/S EGR 362 Thermo-Fluid Sys EGR 329 Intro to FEA EGR 405 Mat Analysis GE - Issue	Credits		Semester Completed
5th Year	Semester: Fall EGR 490 Engrg Co-op III	Grade	Semester Completed	9th Semester: Winter EGR 401 Adv Prod Design EGR 485 Sr Project I \$ PDM Elec	$\begin{array}{c} 4 \\ 1 \\ 3/4 \end{array}$	Semester Grade Completed	10th Semester: S/SEGR 486Sr Project IIEGR 440Prod'n ModelsGE - US	5 Credits	Grade	Semester Completed

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- * Engineering Foundation course
- + 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 WP and Issue (See Gen Ed guide for selections)
- @ An ethics course is required in the engineering program (PHI 102 or another ethics course in General Education). Consider taking PHI 102 as an SWS
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS Gen Ed requirement.
- Electives (Choose 2)
 - EGR 311 Intermediate CAD/CAM
 - EGR 326 Embedded System Design
 - EGR 403 Medical Device Design
 - EGR 404 Polymer Science and Processing EGR 409 Machine Design II
 - EGR 409 Machine Design II
 - EGR 441 Engineering Economics, Quality Control, and Manufacturing Operations
 - EGR 453 Biomedical Materials
 - STA 315 Design of Experiments

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

- 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