Study Plan for B.S.E., <u>MECHANICAL ENGINEERING</u> Major

(2017	•18 Catalog) (MTH 124 (180) Place	cement - 5 Year Pr	ogram) Minor:		Student ID#:	G		_
1st Year	1st Semester: Fall MTH 124 Functions & Models * WRT 150 Writ Strategies ^ EGR 180 Intro Engrg Prob Solv GE - Arts	5 Grade Con 5	* MTH 201 Calculus I * EGR 106 Intro to Egr Design I * CHM 115 Chemistry I	3	Semester Completed	Semester: S/S	Signate Grade	Semester Completed
2nd Year	* MTH 202 Calculus II * EGR 107 Intro to Egr Design II % ECO 210/211 Economics • GE-SBS	5 Grade Con 4	* MTH 203 Calculus III * PHY 230 Physics I * STA 220 Engrg Statistics	5 2	Semester Completed	Semester: S/S		Semester Completed
3rd Year	 5th Semester: Fall PHY 234/1 Physics II EGR 209 Mech & Mach EGR 226 MicroCtrl Pgm Appl EGR 289 Engrg Co-op Prep 	5 Grade Con 4/5	* EGR 309 Mach Design I * EGR 312 Dynamics	4 3	Semester Completed		Grade 3	Semester Completed
4th Year	7th Semester: Fall EGR 250 Mat Sci & Engrg EGR 346 Mechatronics & Ctrl EGR 360 Thermodynamics # GE - WP	5 Grade Con 4	Semester: Winter EGR 390 Engrg Co-op II (sws) GE - Issue	Grade 3	Semester Completed	8th Semester: S/S EGR 365 Fluid Mechanics EGR 409 Mach Design II EGR 329 FEA @ GE - P & L (PHI 102 Ethics)	Grade 4 4 3 3	Semester Completed
r	Semester: Fall EGR 490 Engrg Co-op III	σ	mester npleted 9th Semester: Winter EGR 468 Heat Transfer	Credits 4	Semester Completed	10th Semester: S/S EGR 486 Sr Project II	Signal Grade	Semester Completed

ME

ME

Elec

Elec

EGR 485 Sr Project I

PCEC Student Services: (616)331-6025

- * Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- ^ Not required, but strongly recommended for success. Students are advised to take <u>either</u> EGR 100 <u>or</u> EGR 180.
- 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.

Secondary Admissions Criteria:

Student Name:

- A GPA of 2.7 or above in the Engineering Foundation courses

GE - Issue

GE - US

- 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.

ME Elec ____

- 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.