

**Study Plan for B.S.E., MECHANICAL ENGINEERING Major**

(2015-16 Catalog) (MTH 201 Placement with Honors (Technology & War in the West) - 4 Year Program  
Option 3: 12 credits over four semesters)

Student Name: \_\_\_\_\_  
Student ID#: **G** \_\_\_\_\_

1st Year	1st Semester: Fall _____	Credits	Grade	Semester Completed	2nd Semester: Winter _____	Credits	Grade	Semester Completed	Semester: S/S _____	Credits	Grade	Semester Completed
	* MTH 201 Calculus I * EGR 106 Intro to Egr Design I * CHM 115 Chemistry I HNR 280 Live Learn Lead	4 3 4 3	_____	_____	* MTH 202 Calculus II * EGR 107 Intro to Egr Design II * PHY 230 Physics I HNR 280 Tech & War in West	4 3 5 3	_____	_____	* STA 220 Engrg Statistics * EGR 220 Engrg Stats Lab * MTH 203 Calculus III	2 1 4	_____	_____
2nd Year	3rd Semester: Fall _____	Credits	Grade	Semester Completed	4th Semester: Winter _____	Credits	Grade	Semester Completed	Semester: S/S _____	Credits	Grade	Semester Completed
	+ * PHY 234/1 Physics II * EGR 226 Intro Digital Sys * EGR 209 Mech & Mach * EGR 289 Engrg Co-op Prep HNR Arts (SWS)	4/5 4 4 1 3	_____	_____	* MTH 302 Lin Alg & DEQ * EGR 309 Mach Design I * EGR 312 Dynamics HNR SBS & US Div	4 4 3 3	_____	_____	EGR 290 Engrg Co-op I * EGR 214 Circuit Analysis I	3 4	_____	_____
3rd Year	5th Semester: Fall _____	Credits	Grade	Semester Completed	Semester: Winter _____	Credits	Grade	Semester Completed	6th Semester: S/S _____	Credits	Grade	Semester Completed
	EGR 250 Mat Sci & Engrg EGR 345 Dyn Sys Mod EGR 360 Thermodynamics HNR SBS	4 4 4 3	_____	_____	EGR 390 Engrg Co-op II	3	_____	_____	EGR 365 Fluid Mechanics EGR 409 Mach Design II EGR 329 FEA % ECO 210/211 Economics (H)	4 4 3 3	_____	_____
4th Year	Semester: Fall _____	Credits	Grade	Semester Completed	7th Semester: Winter _____	Credits	Grade	Semester Completed	8th Semester: S/S _____	Credits	Grade	Semester Completed
	EGR 490 Engrg Co-op III	3	_____	_____	EGR 468 Heat Transfer ME Elec ME Elec EGR 485 Sr Project I	4 4 4 1	_____	_____	EGR 486 Sr Project II ME Elec # GE - LS (BIO 105)	2 4 3	_____	_____

PCEC Student Services: (616)331-6025

- \* Engineering Foundation course
- + Students may enroll in PHY 231 instead of PHY 234
- # Issues courses as well.
- % ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS GenEd requirement.

**Junior Seminar:** can be taken when students have  $\geq 45$  credits. Online seminars offered each semester.

**If students do not have Advanced Placement credit applicable to the engineering curriculum, e.g., Calculus, Physics, and/or Chemistry, it is strongly recommended that they consider a 5-year plan.**

**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 MTH 202.