

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

(2015-16 Catalog) (MTH 201 Placement with Honors (Technology & War in the West) - 5 Year Program
Option 3: 12 credits over four semesters)

Student Name: _____

Student ID#: **G** _____

1st Year	1st Semester: Fall _____			2nd Semester: Winter _____			Semester: S/S _____		
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed
	* MTH 201 Calculus I	4	_____	* MTH 202 Calculus II	4	_____		_____	_____
	* EGR 106 Intro to Egr Design I	3	_____	* EGR 107 Intro to Egr Design II	3	_____		_____	_____
	* CHM 115 Chemistry I	4	_____	* STA 220 Engrg Statistics	2	_____		_____	_____
	HNR 280 Live Learn Lead	3	_____	* EGR 220 Engrg Stats Lab	1	_____		_____	_____
				HNR 280 Tech & War in West	3	_____		_____	_____
2nd Year	3rd Semester: Fall _____			4th Semester: Winter _____			Semester: S/S _____		
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed
	* MTH 203 Calculus III	4	_____	* MTH 302 Lin Alg & DEQ	4	_____		_____	_____
	% ECO 210/211 Economics (H)	3	_____	* PHY 230 Physics I	5	_____		_____	_____
	HNR Arts (SWS)	3	_____	HNR SBS & US Div	3	_____		_____	_____
3rd Year	5th Semester: Fall _____			6th Semester: Winter _____			Semester: S/S _____		
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed
	+ * PHY 234/1 Physics II	4/5	_____	* EGR 309 Mach Design I	4	_____		_____	_____
	* EGR 226 Intro Digital Sys	4	_____	* EGR 312 Dynamics	3	_____		_____	_____
	* EGR 209 Mech & Mach	4	_____	* EGR 214 Circuit Analysis I	4	_____		_____	_____
4th Year	7th Semester: Fall _____			Semester: Winter _____			8th Semester: S/S _____		
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed
	EGR 250 Mat Sci & Engrg	4	_____	EGR 390 Engrg Co-op II	3	_____		_____	_____
	EGR 345 Dyn Sys Mod	4	_____				EGR 365 Fluid Mechanics	4	_____
	EGR 360 Thermodynamics	4	_____				EGR 409 Mach Design II	4	_____
							EGR 329 FEA	3	_____
							# GE - LS (BIO 105)	3	_____
5th Year	Semester: Fall _____			9th Semester: Winter _____			10th Semester: S/S _____		
	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed	Credits	Grade	Semester Completed
	EGR 490 Engrg Co-op III	3	_____	EGR 468 Heat Transfer	4	_____		_____	_____
				ME Elec	4	_____		_____	_____
				ME Elec	4	_____		_____	_____
				EGR 485 Sr Project I	1	_____		_____	_____

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 ≥ 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.