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

(2013-14 Catalog) (MTH 201 Placement - 5 Year Program)

Student Name: ____________________________

Student ID#: G ____________________________

1st Year

1st Semester: Fall Credits Grade Semester Completed
* MTH 201 Calculus I 4 ____________
* WRT 150 Writ Strategies 4 ____________
* EGR 180 Int Fr Engrg Prog 3 ____________
GE - Hist 3 ____________

2nd Semester: Winter Credits Grade Semester Completed
* MTH 202 Calculus II 4 ____________
* EGR 280 Int Fr Engrg Prog II 3 ____________
* CHM 115 Chemistry I 5 ____________
GE - Arts ____________

2nd Year

3rd Semester: Fall Credits Grade Semester Completed
* MTH 203 Calculus III 4 ____________
* STA 220 Engrg Statistics 2 ____________
* EGR 220 Engrg Stats Lab 1 ____________
% ECO 210/211 Economics 3 ____________
* GE-SBS (SOC 205 or LIB 201) ____________

4th Semester: Winter Credits Grade Semester Completed
* MTH 302 Lin Alg & DEQ 4 ____________
* EGR 226 Intro Digital Sys 4 ____________
* PHY 230 Physics I 5 ____________
# GE - World Persp (ANT 340) 3 ____________

5th Year

5th Semester: Fall Credits Grade Semester Completed
+ * PHY 234 Engrg Physics 4 ____________
* EGR 214 Circuit Analysis I 4 ____________
* EGR 209 Mech & Mach 4 ____________
* EGR 289 Engrg Co-op Prep 1 ____________

6th Semester: Winter Credits Grade Semester Completed
* EGR 309 Mach Design I 4 ____________
* EGR 312 Dynamics 3 ____________
# GE - LS (BIO 105) ____________
@ GE - P & L (PHI 102 Ethics) 3 ____________

4th Year

7th Semester: Fall Credits Grade Semester Completed
EGR 250 Mat Sci & Engrg 4 ____________
EGR 345 Dyn Sys Mod 4 ____________
EGR 360 Thermodynamics 4 ____________
GE - Issue ____________

8th Semester: S/S Credits Grade Semester Completed

8th Semester: Winter Credits Grade Semester Completed
EGR 300 Engrg Co-op II 3 ____________
EGR 365 Fluid Mechanics 4 ____________
EGR 409 Mach Design II 4 ____________
EGR 329 FEA 3 ____________

5th Year

9th Semester: Winter Credits Grade Semester Completed
EGR 468 Heat Transfer 4 ____________
ME Elec ____________
ME Elec ____________
EGR 485 Sr Project I 1 ____________

10th Semester: S/S Credits Grade Semester Completed
EGR 486 Sr Project II 2 ____________
ME Elec ____________
GE - Issue ____________

PCEC Student Services: (616)331-6025

Criteria:
- 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

Secondary Admissions Criteria:
- A GPA of 2.7 or above in the Engineering Foundation courses
- An ethics course is required in the engineering program (PHI 102 or any course in the Ethics theme)

* Engineering Foundation course
+ Students may enroll in PHY 231 instead of PHY 234
+ Not required, but strongly recommended for success
% SOC 205 recommended (covers SBS and US)
# Earth and Environment Theme course (THM 11). Prereq for ANT 340 is another WP or US Diversity course.
@ An ethics course is required in the engineering program (PHI 102 or any course in the Ethics theme)

Consider taking PHI 102 as an SWS

% ECO 210 or 211 is required in the engineering curriculum. Also fulfills one SBS GenEd requirement.