

School of Engineering and Engineering Technology
ENGINEERING, B.S.
MECHANICAL CONCENTRATION (ME)
2014-15
SUGGESTED COURSE SEQUENCE

First Semester - Fall 2014			
18 Hours			
___	CHEM	1111	1 General Chemistry I Lab
___	CHEM	1113	3 General Chemistry I
___	ENGL	1013	3 English Composition I
___	ENGR	1311	1 Manufacturing Processes Lab
___	ENGR	1513	3 Intro to Engr Practice I
___	LETU	1101	1 Cornerstones of Life and Learning
___	MATH	1903	3 Calculus I ⁽¹⁾
___	THEO	1043	3 Biblical Theology for Life

Second Semester - Spring 2015			
17			
___	BIBL	1033	3 Biblical Literature
___	ENGL	1023	3 English Composition II
___	ENGR	1523	3 Intro to Engr Practice II
___	MATH	2013	3 Calculus II ⁽¹⁾
___	PHYS	2011	1 University Physics I Lab (Spring Only)
___	PHYS	2013	3 University Physics I (Spring Only)
___	KINE		1 Kinesiology Activity Elective

Third Semester - Fall 2015			
17			
___	COSC	1303	3 Computer Science I
___	ENGR	2704	4 Project Mgmt, Design & Entrepren
___	MATH	2023	3 Calculus III
___	MEGR	2013	3 Statics ⁽¹⁾
___	PHYS	2021	1 University Physics II Lab (Fall Only)
___	PHYS	2023	3 University Physics II (Fall Only)

Fourth Semester - Spring 2016			
17			
___	COMM	1113	3 Introduction to Speech Communication
___	EEGR	2053	3 Electric Circuits ⁽¹⁾
___	ENGR	2400	0 Sophomore Design Seminar
___	MATH	2203	3 Differential Equations
___	MEGR	2023	3 Dynamics ⁽¹⁾
___	MEGR	2122	2 ME Lab I
___	MEGR	3323	3 Mechanics of Materials

Fifth Semester - Fall 2016			
17			
___	EEGR	3213	3 Digital Electronics
___	ENGR	2313	3 Materials Engineering
___	KINE	1512	2 Concepts of Lifetime Fitness
___	MEGR	3513	3 Fluid Mechanics
___	MEGR	3713	3 Thermodynamics
___	BIBL		3 Jr-Sr Level Bible Elective

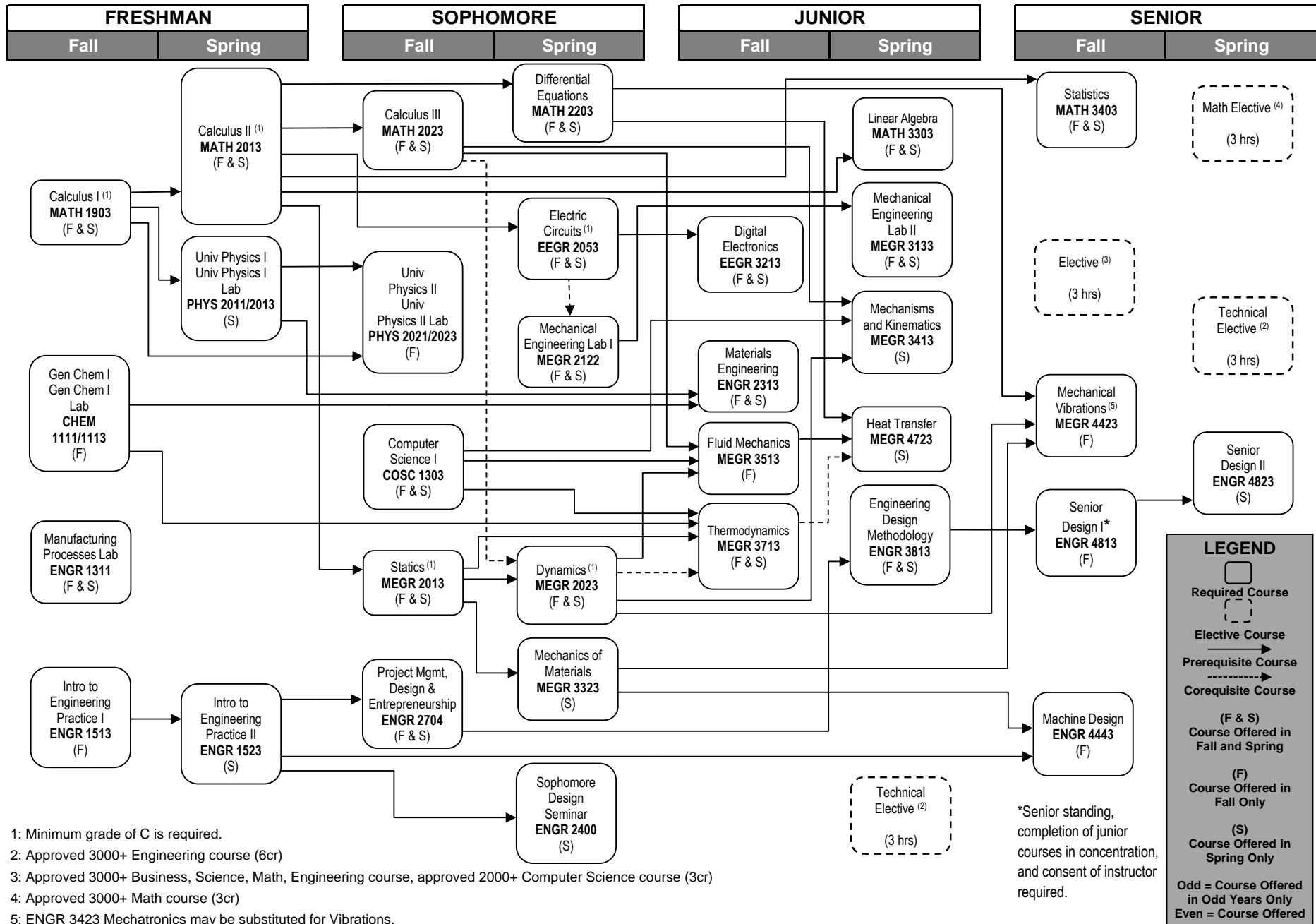
Sixth Semester - Spring 2017			
18			
___	ENGR	3813	3 Engineering Design Methodology
___	MATH	3303	3 Linear Algebra
___	MEGR	3133	3 ME Lab II
___	MEGR	3413	3 Mechanisms and Kinematics
___	MEGR	4723	3 Heat Transfer
___			3 Technical Elective ⁽²⁾

Seventh Semester - Fall 2017			
18			
___	ENGR	4813	3 Senior Design I
___	MATH	3403	3 Statistics
___	MEGR	4423	3 Vibrations ⁽⁵⁾
___	MEGR	4443	3 Machine Design
___			3 History Elective
___			3 Elective ⁽³⁾

Eighth Semester - Spring 2018			
15			
___	ENGR	4823	3 Senior Design II
___	BIBL		3 Jr-Sr Level Bible Elective
___	ENGL		3 English Literature Elective
___	MATH		3 Math Elective ⁽⁴⁾
___			3 Technical Elective ⁽²⁾

TOTAL HOURS 137

1: Minimum grade of C is required.
2: Approved 3000+ Engineering course (6cr)
3: Approved 3000+ Business, Science, Math, Engineering course, approved 2000+ Computer Science course (3cr)
4: Approved 3000+ Math course (3cr)
5: ENGR 3423 Mechatronics may be substituted for Vibrations.



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