

**School of Engineering and Engineering Technology**  
**Bachelor of Science**  
**Mechanical Engineering (BSME)**  
**2018-19**

SUGGESTED COURSE SEQUENCE

First Semester - Fall				
<b>17 Hours</b>				
_____	CHEM	1111	1	General Chemistry I Lab
_____	CHEM	1113	3	General Chemistry I
_____	ENGL	1013	3	English Composition I
_____	ENGR	1513	3	Intro to Engr Practice I
_____	LETU	1101	1	Cornerstones of Life and Learning
_____	MATH	1903	3	Calculus I <sup>(2)</sup>
_____	BIBL	1033	3	Biblical Literature

Second Semester - Spring				
<b>17</b>				
_____	THEO	2043	3	Biblical Theology for Life <sup>(1)</sup>
_____	ENGL	1023	3	English Composition II
_____	ENGR	1311	1	Manufacturing Processes Lab
_____	ENGR	1523	3	Intro to Engr Practice II
_____	MATH	2013	3	Calculus II <sup>(2)</sup>
_____	PHYS	2011	1	University Physics I Lab <b>(Spring Only)</b>
_____	PHYS	2013	3	University Physics I <b>(Spring Only)</b>

Third Semester - Fall				
<b>17</b>				
_____	COSC	1303	3	Computer Science I
_____	ENGR	2704	4	Project Mgmt, Design & Entrepren
_____	MATH	2023	3	Calculus III
_____	MEGR	2013	3	Statics <sup>(2)</sup>
_____	PHYS	2021	1	University Physics II Lab (Fall Only)
_____	PHYS	2023	3	University Physics II (Fall Only)

Fourth Semester - Spring				
<b>17</b>				
_____	COMM	1113	3	Introduction to Speech Communication
_____	EEGR	2053	3	Electric Circuits
_____	ENGR	2400	0	Sophomore Design Seminar
_____	MATH	2203	3	Differential Equations
_____	MEGR	2023	3	Dynamics <sup>(2)</sup>
_____	MEGR	2122	2	Mechanical Engineering Lab I
_____	MEGR	3323	3	Mechanics of Materials

Fifth Semester - Fall				
<b>15</b>				
_____	BIBL		3	Biblical Engagement Elective <sup>(3)</sup>
_____	ENGR	2313	3	Materials Engineering
_____	MATH	3403	3	Statistics
_____	MEGR	3513	3	Fluid Mechanics (Fall Only)
_____			3	Civic Engagement Elective <sup>(4)</sup>

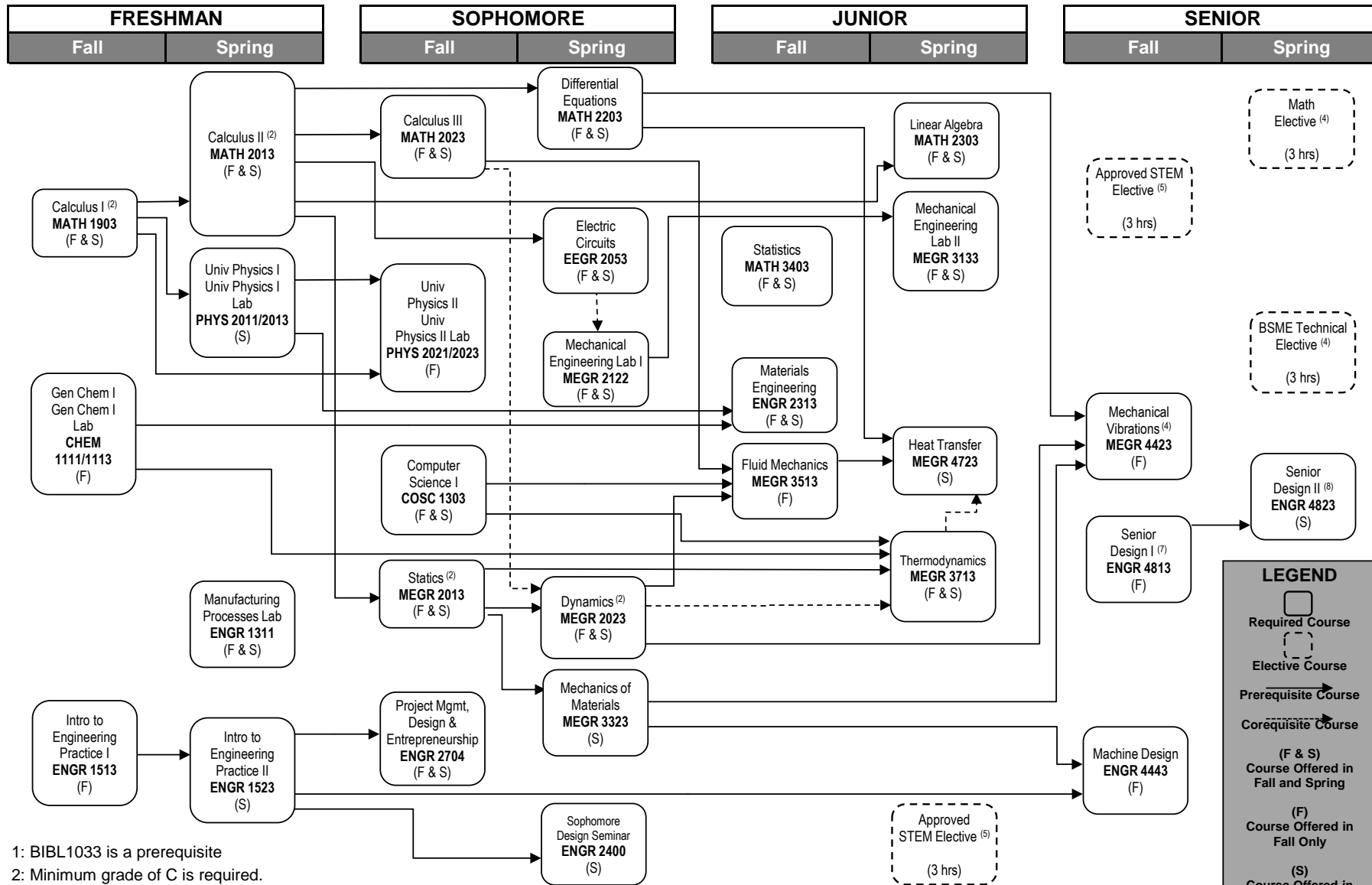
Sixth Semester - Spring				
<b>15</b>				
_____	MATH	2303	3	Linear Algebra
_____	MEGR	3133	3	Mechanical Engineering Lab II
_____	MEGR	3713	3	Thermodynamics
_____	MEGR	4723	3	Heat Transfer (Spring Only)
_____			3	Approved STEM Elective <sup>(5)</sup>

Seventh Semester - Fall				
<b>15</b>				
_____	ENGR	4813	3	Senior Design I <sup>(7)</sup>
_____	MEGR	4423	3	Mechanical Vibrations(Fall Only) <sup>(6)</sup>
_____	MEGR	4443	3	Machine Design (Fall Only)
_____			3	Civic Engagement Elective <sup>(3)</sup>
_____			3	Approved STEM Elective <sup>(5)</sup>

Eighth Semester - Spring				
<b>15</b>				
_____	ENGR	4823	3	Senior Design II <sup>(8)</sup>
_____	MATH		3	Math Elective <sup>(4)</sup>
_____	THEO		3	Theological Engagement Elective <sup>(9)</sup>
_____			3	Ingenuity Elective <sup>(4)</sup>
_____			3	BSME Technical Elective <sup>(5)</sup>

**TOTAL HOURS                      128**

- 1: BIBL1033 is a prerequisite
- 2: Minimum grade of C is required.
- 3: Any 3000 or 4000-level or above Bible course
- 4: See approved list available in Engineering Office
- 5: Approved 3000+ Engineering, Business, Science, Math course, approved 2000+ Computer Science course (3cr)  
(See approved electives list available in SEET Office)
- 6: EEGR 3523 Mechatronics may be substituted for Mechanical Vibrations.
- 7: Senior standing (last full year at LETU) is a pre-requisite
- 8: Senior Design II must be the second half of the same project as Senior Design I (sequential semesters)
- 9: Any 2000-level or above BIBL course, CCLT 3103, CCLT, 3203, CCLT 4103, CMIN 3303, CMIN 3403, THEO 3003, THEO 3063, THEO 3203, THEO 4103, THEO 49X3 Special Topics



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