School of Engineering and Engineering Technology

Bachelor of Science Mechanical Engineering (BSME)

SUGGESTED COURSE SEQUENCE

Tritral Semester - Fall 17 Hours 17 Hours 17 Hours 18 Ho		•
17 Hours 18	First Semester - Fall	Second Semester - Spring
CHEM 1113 3 General Chemistry ENGL 1013 3 English Composition II ENGR 1513 3 Intro to Engr Practice I LETU 1101 1 Cornerstones of Life and Learning MATH 1903 3 Calculus II MATH 2013 3 Calculus II PHYS 2011 1 University Physics I Lab (Spring Only) ENGR 2704 4 Project Mgmt, Design & Entrepren MATH 2023 3 Calculus II MATH 2023 3 Electric Circuits ENGR 2704 4 Project Mgmt, Design & Entrepren MATH 2023 3 Calculus II MATH 2023 3 Electric Circuits ENGR 2704 4 Project Mgmt, Design & Entrepren MATH 2023 3 University Physics II Lab (Fall Only) PHYS 2021 1 University Physics II Lab (Fall Only) PHYS 2021 3 University Physics II (Fall Only) PHYS 2023 3 University Physics II (Fall Only) MEGR 2023 3 Siblical Engagement Elective (a) ENGR 2023 3 Mechanics of Materials MEGR 3513 3 Fluid Mechanics (Fall Only) MEGR 3513 3 Fluid Mechanics (Fall Only) MEGR 4813 3 Senior Design I (7) MEGR 4823 3 Mechanical Vibrations (Fall Only) MEGR 4823 3 Theological Engagement Elective (a) MEGR 4823 3 Theological Engagement Elective (b) MEGR 4823 3 Theological Engagement Elective (b) MEGR 4823 3 Theological Engagement Elective (b) MEGR 4823 3 Theological Engagement Elective (c) MEGR 4823 3 Theological Engagement Elective (d) MEGR 4823 3 Theological Engagement Elect	17 Hours	· · ·
CHEM 1113 3 General Chemistry	CHEM 1111 1 General Chemistry I Lab	THEO 2043 3 Biblical Theology for Life (1)
ENGR 1013 3 English Composition		ENGL 1023 3 English Composition II
ENGR 1513 3 Intro to Engr Practice	ENGL 1013 3 English Composition I	
LETU 1101 1 Cornerstones of Life and Learning MATH 1903 3 Calculus II (2)	l ——	
MATH 1903 3 Calculus (2)	l ——	(3)
Third Semester - Fall		PHYS 2011 1 University Physics I Lab (Spring Only)
17	BIBL 1033 3 Biblical Literature	PHYS 2013 3 University Physics I (Spring Only)
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17		
COSC 1303 3 Computer Science I ENGR 2704 4 Project Mgmt, Design & Entrepren MATH 2023 3 Calculus III MEGR 2013 3 Statics (2) PHYS 2021 1 University Physics II Lab (Fall Only) PHYS 2023 3 University Physics II (Fall Only) PHYS 2023 3 University Physics II (Fall Only) PHYS 2023 3 University Physics II (Fall Only) Fifth Semester - Fall I5 BIBL 3 Biblical Engagement Elective (3) ENGR 2313 3 Materials Engineering MATH 3403 3 Statistics MEGR 3513 3 Fluid Mechanics (Fall Only) MEGR 3513 3 Fluid Mechanics (Fall Only) MEGR 3713 3 Thermodynamics MEGR 4723 3 Heat Transfer (Spring Only) MEGR 4723 3 Approved STEM Elective (6) Seventh Semester - Fall EIghth Semester - Spring 15 ENGR 4823 3 Senior Design II (8) MATH 3 Math Elective (4) THEO 3 Theological Engagement Elective (9) 3 Ingenuity Elective (4)	Third Semester - Fall	Fourth Semester - Spring
ENGR 2704	17	17
MATH 2023 3 Calculus III	COSC 1303 3 Computer Science I	COMM 1113 3 Introduction to Speech Communication
MEGR 2013 3 Statics (2)	ENGR 2704 4 Project Mgmt, Design & Entrepren	EEGR 2053 3 Electric Circuits
PHYS 2021 1 University Physics II Lab (Fall Only)		ENGR 2400 0 Sophomore Design Seminar
PHYS 2023 3 University Physics II (Fall Only)	MEGR 2013 3 Statics (2)	
Fifth Semester - Fall BIBL BIBL BIBL BIBL BIBL BIBL BIBL B	PHYS 2021 1 University Physics II Lab (Fall Only)	MEGR 2023 3 Dynamics (2)
Fifth Semester - Fall BIBL 3 Biblical Engagement Elective (3) ENGR 2313 3 Materials Engineering MATH 3403 3 Statistics MEGR 3513 3 Fluid Mechanics (Fall Only) 3 Civic Engagement Elective (4) Sixth Semester - Spring 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 (5) Seventh Semester - Fall Eighth Semester - Spring 15 ENGR 4813 3 Senior Design I (7) MEGR 4423 3 Mechanical Vibrations(Fall Only) (6) MEGR 4443 3 Machine Design (Fall Only) 3 Civic Engagement Elective (3) THEO 3 Theological Engagement Elective (4) Index 15 Ingenuity Elective (4) Ingenuity Elective (PHYS 2023 3 University Physics II (Fall Only)	MEGR 2122 2 Mechanical Engineering Lab I
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MEGR 4423 3 Mechanical Vibrations(Fall Only) ⁽⁶⁾ MEGR 4443 3 Machine Design (Fall Only) 3 Civic Engagement Elective ⁽³⁾ MATH 3 Math Elective ⁽⁴⁾ THEO 3 Theological Engagement Elective ⁽⁹⁾ 3 Ingenuity Elective ⁽⁴⁾		
MEGR 4443 3 Machine Design (Fall Only) THEO 3 Theological Engagement Elective ⁽⁹⁾ 3 Civic Engagement Elective ⁽³⁾ 3 Ingenuity Elective ⁽⁴⁾		
3 Civic Engagement Elective (3) 3 Ingenuity Elective (4)		
3 Civic Engagement Elective (5) 3 Approved STEM Elective (5) 3 BSME Technical Elective (5) 3 BSME Technical Elective (5)		
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	Approved STEIN Elective	3 Boivie Technical Elective "

1: BIBL1033 is a prerequisite

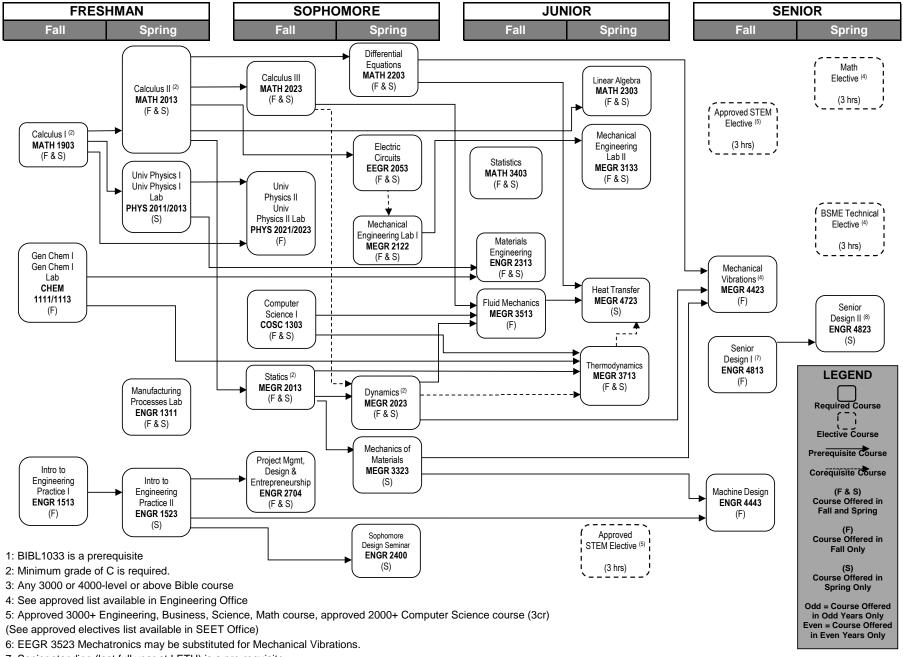
- 2: Minimum grade of C is required.
- 3: Any 3000 or 4000-level or above Bible course
- 4: See approved list available in Engineering Office
- 5: Approved 3000+ Engineering, Business, Science, Math course, approved 2000+ Computer Science course (3cr) (See approved electives list available in SEET Office)

TOTAL HOURS

128

- 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

Technical Course Sequence - Mechanical Engineering



- 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 (seguential semmesters)
- 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