



BACHELOR OF SCIENCE IN MATHEMATICS,
PRE-ENGINEERING EMPHASIS

(Minimum 120 credit hours required.)

NAME _____

DATE ____/____/____

RELIGION CORE

DEVELOPING BIBLICAL FAITH/LIFESTYLE

- BIBL-110 Message of the New Testament (3)
BIBL-111 Message of the Old Testament (3)
THEO-230 Intro. to Theology (3)
THEO-231 Intro. to Christian Ethics (3)
Christian Service (80 clock hours)*

SUBTOTAL (12 hours) _____

*Christian Service is not a course; the hours are earned by a combination of class, group, and individual service learning experiences.

LEE UNIVERSITY FRESHMAN EXPERIENCE

- LEEU-101 Freshman Seminar: Gateway (1) (Fall)
LEEU-102A Global Perspectives Seminar (1) (Spring)
LEEU-102B Foundations of Benevolence (1) (Spring)

SUBTOTAL (3 hours) _____

GENERAL EDUCATION CORE

ACQUIRING FUNDAMENTAL ACADEMIC SKILLS

- ENGL-105 (4) and ENGL-110 (3)
OR ENGL-106 (3) and ENGL-110 (3)
OR ENGL-110 (3) [Depends on placement]

EXPLORING THE HUMANITIES

- HUMN-201 Foundations of Western Culture (3)
Two of the following (6)
HUMN-202 Rise of Europe (3)
HUMN-301 Foundations of Modern World (3)
HUMN-302 Modern Western Culture (3)
HIST-221/222 Western Civilization I, II (3) (3)
ENGL-221 Western Lit: Ancient to Renaissance (3)
ENGL-222 Western Lit: Enlight to Postmodern (3)

One of the following (3)

- ARTS-201 Art in Culture (3)
MUHL-211 Music in Culture (3)
PHIL-241 Introduction to Philosophy (3)
THEA-201 Theatre in Culture (3)

UNDERSTANDING CONTEMPORARY SOCIETY

- HIST-212 Recent American History (3) OR
PLSC-250 American Government (3)

Two of the following (6)

- PSYC-200 Understanding Human Behavior (3)
SOC1 -200 Understanding Contemporary Society (3)
ECON-200 Understanding Economic Issues (3)

SEEKING A GLOBAL PERSPECTIVE

- GNST-250-253 Cross Cultural Experience (1-3)
LING-201 Intro Language and Culture (3)

SUBTOTAL (28/34 hours) _____

ACADEMIC ASSESSMENT

- GNST-400 Academic Assessment (0)
SMFT-MAT Major Field Test: Mathematics (0)

SPECIALTY AREA I (100 – 200 level courses)*

- MTHS-250 Intro to Programming (3)
MTHS-261 Calculus I (4)
MTHS-262 Calculus II (4)
CHYS-161 General Chemistry I (4)
CHYS-162 General Chemistry II (4)
PHYS-261 General Physics I (4)
PHYS-262 General Physics II (4)

SUBTOTAL (27 hours) _____

SPECIALTY AREA II (300 – 400 level courses)*

A minimum of 12 credit hrs of Specialty Area II courses must be taken at Lee University.

- MTHS-335 Mathematical Probability (3)
MTHS-350 Logic and Sets (3)
MTHS-361 Calculus III (4)
MTHS-363 Differential Equations (3)
MTHS-365 Mathematical Modeling (3)
MTHS-371 Intro to Linear Algebra (3)
MTHS-461 Real Analysis (3)

OR

- MTHS-475 Abstract Algebra (3)
MTHS-495 Mathematics in Faith & Practice (3)
ENGR-361 Statics (3)
ENGR-364 Fluid Mechanics (3)
ENGR-371 Electrical Circuits (3)
ENGR-375 Computational Physics (3)

SUBTOTAL (37 hours) _____

GENERAL ELECTIVES

- _____

SUBTOTAL (7/13 hours) _____

* A grade of C- or higher is required to fulfill the Specialty Area I and II requirements in this major.

SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR BACHELOR OF SCIENCE IN MATHEMATICS, PRE-ENGINEERING EMPHASIS

(The 80-clock-hour Christian Service requirement is not listed, but is spread throughout the four years.)

FRESHMAN YEAR

<u>Course</u>	<u>Hours</u>
LEEU-101, 102A, 102B	3
College Writing/ Workshop	0/3/4
Rhetoric and Research.....	3
Calculus I and II.....	8
Message of New and Old Testament	6
General Chemistry I and II.....	8
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Total	28/32

JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Computational Physics	3
History/Political Science Option	3
Econ/Psych/Soc Option 1	3
Humanities Option 1.....	3
Humanities Option – Art.....	3
Cross-Cultural Experience.....	1/3
Intro to Programming	3
Mathematical Modeling	3
Mathematical Probability	3
Intro to Linear Algebra.....	3
Fluid Mechanics	3
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Total	31/33

SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
Intro. to Theology.....	3
Intro. to Christian Ethics	3
General Physics I and II	8
Calculus III.....	4
Foundations of Western Culture.....	3
Language and Culture	3
Logic and Sets.....	3
Differential Equations	3
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Total	30

SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Econ/Psych/Soc Option 2	3
Humanities Option 2.....	3
Abstract Algebra OR Real Analysis.....	3
Statics	3
Electrical Circuits.....	3
Mathematics in Faith & Practice (Capstone)	3
General Electives	7/13
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Total	25/31

Because the sequence above includes some courses that are offered every other year,
the sequence for any individual may be different from the above schedule.