



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.

FRESHMAN / SOPHOMORE EXPERIENCE

- LEEU-101 Freshman Seminar: Gateway (1) (1st Fall)..... ()
- LEEU-102 Global Perspectives Seminar (1) (1st Spring).... ()
- LEEU-202 Foundations of Benevolence (1) (2nd Fall) ()

SUBTOTAL (3 hours) _____

GENERAL EDUCATION CORE

ACQUIRING FUNDAMENTAL ACADEMIC SKILLS

- 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: Enlightenment 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)..... () ()
- SOCI-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 (28/33 hours)

ACADEMIC ASSESSMENT

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

SPECIALTY AREA I (100 – 200 level courses)*

- MTHS-261 Calculus I (4)..... ()
- MTHS-262 Calculus II (4)..... ()
- CHYS-161 General Chemistry I (4)..... ()
- CHYS-162 General Chemistry II (4)..... ()
- CSCI-261 Intro to Programming (3)..... ()
- 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 (8/13 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, 102	2
College Writing	3
Rhetoric and Research.....	3
Calculus I and II.....	8
Message of New and Old Testament	6
General Chemistry I and II.....	8
Total	30

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
Total	31/33

SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
LEEU-202 Benevolence	1
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
Total	31

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	8/13
Total	26/31

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.