



# BACHELOR OF SCIENCE IN MATHEMATICS, ACTUARIAL SCIENCE 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)\* .....

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

SUBTOTAL (12 hours).....

**FRESHMAN / SOPHOMORE EXPERIENCE**

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

**UNDERSTANDING CONTEMPORARY SOCIETY**

- HIST-212 Recent American History (3) **OR**  
 PLSC-250 American Government (3).....( )  
**One of the following (3)**  
 PSYC-200 Understanding Human Behavior (3) ....( )( )  
 SOCI -200 Understanding Contemporary Society (3)

**RESPECTING THE NATURAL WORLD**

- LAB SCIENCE: Choose one (1) course along with the corresponding lab: BIOS-110, 112, 114, CHYS-131,  
 PHYS-261, ASTR-111(4) .....

**SEEKING A GLOBAL PERSPECTIVE**

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

SUBTOTAL (32/37 hours).....

**ACADEMIC ASSESSMENT**

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

**SPECIALTY AREA I (100 – 200 level courses)\***

- MTHS-235 Experimental Statistics (3).....( )  
 MTHS-261 Calculus I (4).....( )  
 MTHS-262 Calculus II (4).....( )  
 ACCT-241 Principles of Accounting I (3).....( )  
 ACCT-242 Principles of Accounting II (3).....( )

SUBTOTAL (17 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-336 Mathematical Statistics (3).....( )  
 MTHS-346 Acquiring Professional Skills (3).....( )  
 MTHS-366 Intro to Data Analytics (3).....( )  
 MTHS-361 Calculus III (4).....( )  
 MTHS-363 Differential Equations (3) .....

MTHS-371 Linear Algebra (3) .....

MTHS-445 Financial Mathematics (4).....( )

MTHS-495 Mathematics in Faith & Practice (3) .....

Mathematics Electives (3 hours)

Select course offerings in Mathematics at the 300-level or above. **MTHS-401/02/03/04 Internship is recommended as an elective.**

.....( )  
 .....( )

- FINC-307 Business Finance (3) .....
- FINC-430 Financial Analysis & Valuation (3) .....
- ECON-311 Macroeconomics (3) .....
- ECON-312 Microeconomics (3) .....

SUBTOTAL (44 hours).....

**GENERAL ELECTIVES**

- .....( )  
 .....( )  
 .....( )  
 .....( )  
 .....( )

SUBTOTAL (6/11 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, ACTUARIAL SCIENCE EMPHASIS

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

### FRESHMAN YEAR

<b>Course</b>	<b>Hours</b>
LEEU-101, 102.....	2
College Writing .....	3
Rhetoric and Research.....	3
Calculus I and II.....	8
Message of New and Old Testament .....	6
Experimental Statistics .....	3
Language and Culture .....	3
Contemporary Society Option 1 .....	3
Total	31

### JUNIOR YEAR

<b>Course</b>	<b>Hours</b>
Humanities Options.....	6
Cross-Cultural Experience .....	1/3
Business Finance.....	3
Financial Analysis and Valuation.....	3
US History / Government Option.....	3
Differential Equations .....	3
Mathematical Statistics .....	3
Acquiring Professional Skills .....	3
Intro to Data Analytics .....	3
Total	29/31

### SOPHOMORE YEAR

<b>Course</b>	<b>Hours</b>
LEEU-202 Benevolence .....	1
Intro. to Theology .....	3
Intro. to Christian Ethics .....	3
Calculus III.....	4
Foundation of Western Culture.....	3
Humanities Option .....	3
Accounting I and II.....	6
Intro to Linear Algebra .....	3
Lab Science.....	4
Total	30

### SENIOR YEAR

<b>Course</b>	<b>Hours</b>
Math Electives (Internship recommended).....	3
Mathematics in Faith & Practice (Capstone) .....	3
Mathematical Probability .....	3
Financial Mathematics .....	4
Macro- and Micro-Economics.....	6
General Electives .....	6/11
Total	25/30

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