



BACHELOR OF SCIENCE IN ENGINEERING SCIENCE

(Minimum 90⁺ credit hours required at Lee University; Minimum 120 total credit hours required for graduation)

† Students who choose this major must complete at least 24 hours of engineering coursework at the 300 level or higher. Most of these hours will come from a partner institution. The total combined hours at the two institutions must be at least 120.

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 (60 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) ()
 One of the following (3): ()

ENGL-221 Western Lit: Ancient to Renaissance (3)
 ENGL-222 Western Lit: Enlighten. to Postmodern (3)

One of the following (3): ()

HUMN-202 Rise of Europe (3)
 HUMN-301 Foundations of Modern World (3)
 HIST-221 / 222 Western Civilization I, II (3) (3)

*ENGL-221 / 222 Western Lit (3) (3)

*Cannot be the same ENGL course taken to fulfill the ENGL requirement above

One of the following (3): ()

ARTS-244 / 245 Art History I, II (3) (3)

MUHL-211 Music in Culture (3)

PHIL-241 Introduction to Philosophy (3)

THEA-201 Theatre in Culture (3)

UNDERSTANDING CONTEMPORARY SOCIETY

PLSC-250 American Government (3) ()

One of the following (3):

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 (25/30 hours) _____

ACADEMIC ASSESSMENT

GNST-400 Academic Assessment (0) ()

ENGINEERING CORE*

CHYS-161 General Chemistry I (4) ()
 CSCI-261 Intro to Programming (3) ()
 MTHS-261 Calculus I (4) ()
 MTHS-262 Calculus II (4) ()
 MTHS-361 Calculus III (4) ()
 MTHS-363 Differential Equations (3) ()
 MTHS-495 Mathematics in Faith & Practice (3) ()
 PHYS-261 General Physics I (4) ()
 PHYS-262 General Physics II (4) ()

and completion of one of the following concentrations:

Chemical Concentration

CHYS-162 General Chemistry II (4) ()
 CHYS-261 Organic Chemistry I (3) ()
 CHYS-262 Organic Chemistry II (3) ()
 CHYS-262L Organic Chemistry Lab I and II (2) ()

Civil Concentration

CHYS-162 General Chemistry II (4) ()
 ENGR-361 Statics (3) ()
 ENGR-362 Dynamics (3) ()
 MTHS-335 Mathematical Probability (3) ()

Electrical Concentration

ENGR-371 Electrical Circuits (3) ()
 MTHS-335 Mathematical Probability (3) ()
 MTHS-371 Intro to Linear Algebra (3) ()

Mechanical Concentration

ENGR-361 Statics (3) ()
 ENGR-362 Dynamics (3) ()
 ENGR-363 Mechanics of Materials (3) ()
 MTHS-371 Intro to Linear Algebra (3) ()

SUBTOTAL (42/46 hours) _____

COLLATERAL REQUIREMENT

COMM-211 Public Speaking (3) ()

SUBTOTAL (3 hours) _____

GENERAL ELECTIVES (if needed for 120 total hrs)

..... ()
 ()

SUBTOTAL (0-5 hours) _____

* A grade of C- or higher is required in all Engineering Core courses. An overall GPA of 2.7 in the Engineering Core is required for admission to a partner institution.

SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR BACHELOR OF SCIENCE IN ENGINEERING SCIENCE

(Minimum of 120 combined credit hours required for graduation†)

(The Christian Service requirement is not listed but is spread throughout curriculum.)

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FRESHMAN YEAR

<u>Course</u>	<u>Hours</u>
LEEU-101, 102	2
Message of New and Old Testament	6
College Writing	3
Rhetoric and Research.....	3
Calculus I and II.....	8
General Chemistry I and II	8
Total	30

JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Literature Option	3
Humanities/History Option	3
Cross-Cultural Experience	1-3
Contemporary Society Option	3
Public Speaking	3
Intro to Programming	3
Mathematics in Faith & Practice (Capstone)	3
Concentration Electives.....	9-13
Total	28/34

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
Foundation of Western Culture	3
American Government.....	3
Language and Culture	3
Differential Equations	3
Fine Arts Option	3
Total	32

SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Minimum 24 hours of Engineering courses at the 300 level or higher. Most of these courses will be taken at a partner institution, but future course offerings at Lee University may become available.	24
Additional engineering courses or general electives	6
Total	30

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.