



BACHELOR OF SCIENCE IN CHEMISTRY
(PRE-MED, PRE-DENTAL, PRE-VET, OR PRE-PHARMACOLOGY EMPHASIS)
 (130 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)..... ()
 RELG-200 Bibl/Theo Foundations for Benevolence (1) ()
 Christian Service (2)* ()

SUBTOTAL (15 hours) _____

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

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]

CISS-101 Intro to Computer-Based Systems (3) ()

GNST-101 Freshman Seminar: Gateway (2) ()

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

THEA-331 / 332 Survey of Drama Literature I, II (3) (3)

MUHL-211 Music in Culture (3)

PHIL-241 Introduction to Philosophy (3)

UNDERSTANDING CONTEMPORARY SOCIETY

HIST-212 Recent American History & Government (3)

OR

POLS-200 Understanding Contemporary Politics (3)..... ()

Two of the following (6)

PSYC-200 Understanding Human Behavior (3)..... () ()

SOCI-200 Understanding Contemporary Society (3)

ECON-200 Understanding Economic Issues (3)

RESPECTING THE NATURAL WORLD

PHED-100 Healthy & Effective Lifestyles (1) ()

SEEKING A GLOBAL PERSPECTIVE

ANTH-200 Global Perspectives Seminar (1)..... ()

GNST-250-253 Cross Cultural Experience (1-3)..... ()

LING-201 Intro Language and Culture (3)..... ()

SUBTOTAL (35/41 hours) _____

SPECIALTY AREA*

CHEM-111 General Chemistry I (4) ()

CHEM-112 General Chemistry II (4) ()

CHEM-281 Organic Chemistry I (3) ()

CHEM-282 Organic Chemistry II (3) ()

CHEM-289 Organic Chemistry Lab (3) ()

CHEM-321 Biochemistry I (3) ()

CHEM-351 Quantitative Analysis (4) ()

CHEM-431 Physical Chemistry I (3) ()

CHEM-432 Physical Chemistry II (3) ()

CHEM-439 Physical Chemistry Research (3) ()

SUBTOTAL (33 hours) _____

COLLATERAL REQUIREMENTS*

BIOL-109 Principles of Biology I (4) ()

BIOL-242 Genetics (4) ()

BIOL-285 Pre-professional Seminar (2)..... ()

BIOL-403 Molecular Biology (4) ()

HSCI-495 Faith and Practice (3) ()

PHYS-281 General Physics I (4)..... ()

PHYS-282 General Physics II (4)..... ()

MATH-144 Precalculus (4)** ()

MATH-261 Elem. Probability & Statistics (4)..... ()

MATH-271 Calculus I (4)..... ()

MATH-272 Calculus II (4)..... ()

SUBTOTAL (41/43 hours) _____

**MATH-111 and 112 may substitute for MATH-144

GENERAL ELECTIVES

..... ()

..... ()

..... ()

SUBTOTAL (0/6 hours) _____

ACADEMIC ASSESSMENT

GNST-400 Academic Assessment (0) ()

***Must earn a grade of B- or better to fulfill all specialty area and collateral requirements in this major.**

**SUGGESTED FOUR YEAR SEQUENCE OF STUDY FOR
BACHELOR OF SCIENCE IN CHEMISTRY
(Pre-Medical, Pre-Dental, Pre-Vet, or Pre-Pharmacology)**

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

FRESHMAN YEAR

<u>Course</u>	<u>Hours</u>
College Writing/ Workshop	3/4
Rhetoric and Research	3
General Chemistry	8
Principles of Biology I.....	4
Pre-Calculus*	4
Message of New and Old Testament.....	6
Freshman Seminar: Gateway	2
Calculus I	4
Total	34/35

SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
Bib/Theo Foundations of Benevolence	1
Intro. to Theology	3
Intro. to Christian Ethics.....	3
Organic Chemistry	9
General Physics	8
Genetics.....	4
Calculus II	4
Global Perspectives Seminar.....	1
Healthy Lifestyles.....	1
Intro to Computer-Based Systems.....	3
Total	37

*MATH-111 and MATH-112 may be substituted.

JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Pre-professional Seminar	2
Biochemistry	3
Molecular Biology.....	3
Cross-Cultural Experience	1/3
Foundations of Western Culture	3
Humanities Option	3
Language and Culture	3
Contemporary Society Option 1	3
Quantitative Analysis	4
Elem. Probability & Statistics	4
Elective	3
Total	32/34

SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Physical Chemistry	6
Physical Chemistry Research	3
Faith and Practice (Capstone)	3
U S History/Politics Option.....	3
Contemporary Society Option 2	3
Humanities Options.....	6
Electives.....	3
Total	27