

BACHELOR OF SCIENCE IN BIOCHEMISTRY
(PRE-MEDICAL, 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) ()
- 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**
- POLS-250 American Government (3) ()
- PSYC-200 Understanding Human Behavior (3) ()
- SOCI-200 Understanding Contemporary Society (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-322 Biochemistry II (3) ()
- CHEM-323 Biochem.Synthesis & Molecular Bio. (3) ()
- CHEM-329 Biochemistry Lab (3) ()
- CHEM-351 Quantitative Analysis (4) ()
- CHEM-431 Physical Chemistry I (3) ()
- CHEM-439 Physical Chemistry Research (3) ()

SUBTOTAL (39 hours) _____

COLLATERAL REQUIREMENTS*

- BIOL-109 Principles of Biology I (4) ()
- BIOL-242 Genetics (4) ()
- BIOL-285 Pre-professional Seminar (2) ()
- HSCI-495 Faith and Practice (3) ()
- MATH-261 Elem. Probability & Statistics (4) ()
- MATH-271 Calculus I (4) ()
- PHYS-281 General Physics I (4) ()
- PHYS-282 General Physics II (4) ()
- PSYC-330 Social Psychology (3)

OR

- PSYC-341 Learning & Cognition (3) ()

Biology Electives (6)

Select course offerings in Biology at the 300-level or above (BIOL-303, 403, and 495 do not count)

_____ ()
 _____ ()

SUBTOTAL (38 hours) _____

GENERAL ELECTIVES

(upper-level biology courses recommended)

_____ ()
 _____ ()

SUBTOTAL (0/3 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 BIOCHEMISTRY
(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 I and II	8
Message of New and Old Testament	6
Freshman Seminar: Gateway	2
Calculus I	4
Healthy Lifestyles	1
Intro to Computer-Based Systems	3
Principles of Biology I	4
Total	<u>34/35</u>

JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Biochemistry II	3
Biochem. Synthesis & Molecular Biology	3
Biochemistry Lab	3
General Physics	8
Understanding Contemporary Society	3
Foundations of Western Culture	3
Art/Music/Philosophy Option	3
Social Psych OR Learning & Cognition	3
Foundations of Benevolence	1
Cross-Cultural Experience	1/3
Total	<u>31/33</u>

SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
Intro. to Theology	3
Intro. to Christian Ethics	3
Organic Chemistry	9
Genetics	4
Biochemistry I	3
Pre-Professional Seminar	2
Understanding Human Behavior	3
Global Perspectives Seminar	1
Elem. Probability & Stats	4
Total	<u>32</u>

SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Physical Chemistry	3
Physical Chemistry Research	3
Faith and Practice (Capstone)	3
Biology Electives	6
Humanities Options	6
US History / Government Option	3
Language and Culture	3
Quantitative Analysis	4
General Electives	2
Total	<u>33</u>