



BACHELOR OF SCIENCE IN BIOLOGICAL SCIENCE
(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-100 Computer Literacy (2)
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
POLN-250 American Government (3)
Two of the following (6)
PSYC-200 Understanding Human Behavior (3)
SOCIO-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 (34/40 hours)

SPECIALTY AREA*

- BIOL-109 Principles of Biology I (4)
BIOL-110 Principles of Biology II (4)
BIOL-242 Genetics (4)
BIOL-303 Cell Biology (3)
BIOL-394 Ecology (3)
BIOL-403 Molecular Biology (4)
BIOL-451 Evolutionary Biology (4)
BIOL-490 Senior Seminar (1)

Biology Electives (13)

Select course offerings in Biology at the 300 level or above [BIOL-495 does not count]

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Elective courses may be taken through the Au Sable Institute of Environmental Studies, and a current list of Au Sable courses is available at www.ausable.org

SUBTOTAL (40 hours)

COLLATERAL REQUIREMENTS*

- BIOL-495 Science and Scripture (3)
MATH-261 Elementary Probability & Statistics (4)
OR
MATH-271 Calculus I (4)
CHEM-111 General Chemistry I (4)
CHEM-112 General Chemistry II (4)
CHEM-281 Organic Chemistry (3)
CHEM-322 Biochemistry II (3)

SUBTOTAL (21 hours)

GENERAL ELECTIVES

PHYS-281-282, CHEM-282, and CHEM-289 are strongly recommended for students interested in graduate studies.

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SUBTOTAL (12 / 20 hours)

ACADEMIC ASSESSMENT

- FMPT-BIO Freshman Major Pre-Test: Biology (0)
GNST- 400 Academic Assessment (0)
SMFT-BIO Major Field Test: Biology (0)

* A grade of C- or better is required to fulfill the Specialty Area and Collateral Requirements in this major.

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

(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
Principles of Biology II.....	4
Message of New and Old Testament.....	6
Freshman Seminar: Gateway	2
Contemporary Society Option 1	3
Total	<u>33/34</u>

SOPHOMORE YEAR

<u>Course</u>	<u>Hours</u>
Bib/Theo Foundations of Benevolence	1
Intro. to Theology	3
Intro. to Christian Ethics.....	3
Genetics.....	4
Calculus OR Elementary Probability & Stats	4
Foundations of Western Culture	3
Humanities Option	3
Language and Culture	3
Computer Literacy.....	2
US History/Government Option.....	3
Organic Chemistry	3
Total	<u>32</u>

JUNIOR YEAR

<u>Course</u>	<u>Hours</u>
Cell Biology	3
Biology Electives.....	9
Molecular Biology.....	4
Humanities Options.....	6
Global Perspectives Seminar.....	1
Cross-Cultural Experience	1/3
Ecology	3
Contemporary Society Option 2.....	3
Biochemistry II	3
Total	<u>33/35</u>

SENIOR YEAR

<u>Course</u>	<u>Hours</u>
Senior Seminar	1
Science and Scripture (Capstone)	3
Evolutionary Biology	4
General Electives.....	12/20
Healthy Lifestyles.....	1
Biology Electives.....	4
Total	<u>25/33</u>