

BLUE MOUNTAIN CHRISTIAN UNIVERSITY  
DEPARTMENT OF MATHEMATICS & NATURAL SCIENCES  
Degree Plan March 2025

Student Name: \_\_\_\_\_

Bachelor of Science  
BIOLOGY | 122-132 HOURS—TRACK A

Student Number: \_\_\_\_\_ E-mail: \_\_\_\_\_ Advisor: \_\_\_\_\_

Date Plan Prepared: \_\_\_\_\_

Classification: F SO J SR PG Sem/Yr of Anticipated Graduation: \_\_\_\_\_

**COLLEGE CORE REQUIREMENTS (44-48 HOURS)**

COURSE CREDIT SEM TRANSFER GRADE

**ENGLISH—12-14 hours**

ENG 100 English Composition I 3-4 \_\_\_\_\_  
or ENG 110 English Composition I-Honors

ENG 101 English Composition II 3-4 \_\_\_\_\_  
or ENG 111 English Composition II-Honors

Select one from any 200-level literature course.

ENG \_\_\_\_\_ 3 \_\_\_\_\_

Select one 200-level or above 3-hour ENG course.

ENG \_\_\_\_\_ 3 \_\_\_\_\_

**HISTORY--6 hours.** Select 2 from the following courses.

HIS 110 Western Civilization I \_\_\_\_\_

HIS 111 Western Civilization II 3 \_\_\_\_\_

HIS 210 Early U.S. History \_\_\_\_\_

HIS 211 Modern U.S. History 3 \_\_\_\_\_

**SOCIAL/BEHAVIORAL SCIENCE--6 hours.** Select any course with CRJ, ECO, GEO, PSC, or SOC prefix

\_\_\_\_\_ 3 \_\_\_\_\_

PSY 100 Intro to Psychology 3 \_\_\_\_\_

**BIBLICAL STUDIES—6 hours.** Select 2 from the following courses.

BIB 100 Old Testament I \_\_\_\_\_

BIB 101 Old Testament II 3 \_\_\_\_\_

BIB 200 New Testament I \_\_\_\_\_

BIB 201 New Testament II 3 \_\_\_\_\_

**BIOLOGICAL SCIENCE—6+2 hours.** Met in major requirements.

**PHYSICAL SCIENCE—3-4 hours.** Met in major requirements.

**MATHEMATICS—6-7 hours**

MAT 110 College Algebra 3-4 \_\_\_\_\_

MAT 111 Trigonometry 3 \_\_\_\_\_

**OR**

**STUDENTS MAJORING IN BIOLOGY-WITH PRE-PHARMACY EMPHASIS MUST TAKE**

MAT 140 Elementary Statistics 3 \_\_\_\_\_

MAT 230 Calculus and Analytical Geometry I 3 \_\_\_\_\_

**FINE ARTS—3 hours.** Choose one course (3 hours) from those listed below.

ART 142 Art Appreciation \_\_\_\_\_

MUS 142 Music Appreciation 3 \_\_\_\_\_

STH 142 Theatre Appreciation \_\_\_\_\_

STH 210 Oral Communication \_\_\_\_\_

STH 225 Oral Interpretation \_\_\_\_\_

**Physical Fitness—2 hours**

PED 127 Fitness for Life—Cardio \_\_\_\_\_

Or PED 128 Fitness for Life--Resistance 1 \_\_\_\_\_

Any Activity Course with PED prefix \_\_\_\_\_

PED \_\_\_\_\_ 1 \_\_\_\_\_

**Elective—3 hours**

\_\_\_\_\_ 3 \_\_\_\_\_

**FIRST YEAR SEMINAR** Only required for First-time Freshmen

FYS 100 1 \_\_\_\_\_

**MAJOR REQUIREMENTS (61-62 HOURS)**

Biology majors must complete all Major required courses and all required courses in at least one of the 3 emphases listed below.

COURSE CREDIT SEM TRANSFER GRADE

BIO 188 General Biology I for Majors & Lab 3+1 \_\_\_\_\_

BIO 189 General Biology II for Majors & Lab 3+1 \_\_\_\_\_

BIO 300 General Microbiology & Lab 3+1 \_\_\_\_\_

BIO 335 Cell Biology & Lab 3+1 \_\_\_\_\_

BIO 340 Fundamentals of Zoology & Lab 3+1 \_\_\_\_\_

BIO 366 Genetics & Lab 3+1 \_\_\_\_\_

BIO 470 Senior Seminar 1 \_\_\_\_\_

**ADDITIONAL REQUIRED SCIENCE COURSES (16 HOURS)**

**All Emphases**

CHE 194 General Chemistry I & Lab 3+1 \_\_\_\_\_

CHE 195 General Chemistry II & Lab 3+1 \_\_\_\_\_

CHE 330 Organic Chemistry I & Lab 3+1 \_\_\_\_\_

CHE 331 Organic Chemistry II & Lab 3+1 \_\_\_\_\_

**CHOOSE ONE EMPHASIS FROM MEDICAL SCIENCE, NUTRITION,  
PRE-PHARMACY, OR WILDLIFE BIOLOGY**

**MEDICAL SCIENCES EMPHASIS (21 HOURS)**

BIO 390 Human Anat. & Phys. I & Lab 3+1 \_\_\_\_\_

BIO 391 Human Anat. & Phys. II & Lab 3+1 \_\_\_\_\_

BIO 405 Bioethics 3 \_\_\_\_\_

BIO 425 Medical Terminology 2 \_\_\_\_\_

BIO 460 Pathophysiology 3 \_\_\_\_\_

BIO 480 Internship in Medical Science 1 \_\_\_\_\_

Select one class with lab (4 hours) from the following.

BIO 310 Plant Morphology & Lab 3+1 \_\_\_\_\_

BIO 317 Systematic Botany & Lab \_\_\_\_\_

BIO 414 Ecology & Lab \_\_\_\_\_

BIO 423 Comparative Vertebrate Anatomy & Lab \_\_\_\_\_

**NUTRITION EMPHASIS (18 HOURS)**

**All courses below are offered online through RIZE**

NTR 100 Introduction to Nutrition 3 \_\_\_\_\_

NTR 200 Food Science 3 \_\_\_\_\_

NTR 210 Food Economics 3 \_\_\_\_\_

NTR 300 Lifecycle Nutrition I 3 \_\_\_\_\_

NTR 301 Lifecycle Nutrition II 3 \_\_\_\_\_

NTR 400 Medical Nutrition Therapy 3 \_\_\_\_\_

**Additional requirements on following page**

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PRE-PHARMACY EMPHASIS (20-21 HOURS)

BIO 392 Human Physiology & Lab	3+1	_____	_____	_____
BIO 405 Bioethics	3	_____	_____	_____
BIO 430 Immunology	3	_____	_____	_____
BIO 432 Medical Microbiology	3	_____	_____	_____
_____ (Elective)	3-4	_____	_____	_____

Select one class with lab (4 hours) from the following.

BIO 310 Plant Morphology & Lab				
BIO 317 Systematic Botany & Lab	3+1	_____	_____	_____
BIO 414 Ecology & Lab				

WILDLIFE BIOLOGY EMPHASIS (19-20 HOURS)

BIO 310 Plant Morphology & Lab	3+1	_____	_____	_____
BIO 317 Systematic Botany & Lab	3+1	_____	_____	_____
BIO 414 Ecology & Lab	3+1	_____	_____	_____
BIO 423 Comparative Vertebrate Anat & Lab	3+1	_____	_____	_____
_____ (Elective)	3-4	_____	_____	_____

MINOR: \_\_\_\_\_  
REQUIREMENTS (18-22 HOURS)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Additional degree requirements are outlined in the BMCU Catalog

ELECTIVES (None Required)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

PROFICIENCIES MET?

AREA	SEMESTER MET
Math	_____
English	_____
Junior ETS	_____

25% of degree hours earned at BMCU? \_\_\_\_\_

25% x \_\_\_\_\_ (total hours) = \_\_\_\_\_

OTHER COLLEGES ATTENDED:

_____
_____
_____
_____
_____
_____

TOTAL TRANSFER HOURS	_____
TOTAL UPPER LEVEL HOURS	_____
CORE HOURS	_____
MAJOR HOURS	_____
MINOR HOURS	_____
ELECTIVE HOURS	_____
TOTAL HOURS EARNED	_____