

BLUE MOUNTAIN CHRISTIAN UNIVERSITY
BIOLOGY (TRACK A), BACHELOR OF SCIENCE

122-134 total hours required

- ☐ 25% of degree hours must be earned at BMCU.
- ☐ Students may transfer a maximum of 70 semester hours of credit from a community or junior college.
- ☐ A minimum of 40 semester hours of credit in 300- and 400- level courses are required for a degree at the University. Twenty-four of these semester hours must be earned at the University.
- ☐ A minimum of 12 semester hours of 300- and 400-level *major* course work is required for a degree of which six must be earned at the University.
- ☐ A minimum of six semester hours of 300- and 400-level *minor* course work is required for a degree of which three must be earned at the University.
- ☐ Proficiencies must be met in Mathematics, English, and the Core Curriculum.

COLLEGE CORE REQUIREMENTS

ENGLISH –12-14 hours

- ☐ ENG 100 English Composition I *or*
ENG 110 English Composition I-Honors
- ☐ ENG 101 English Composition II *or*
ENG 111 English Composition II-Honors
- ☐ Select one 200-level literature course
- ☐ Select an additional 200-level or above 3-hour ENG course

HISTORY--6 hours

- ☐ Select 2 courses from the following
HIS 110 Western Civilization I; HIS 111 Western Civilization II;
HIS 210 Early U.S. History; HIS 211 Modern U.S. History

SOCIAL/BEHAVIORAL SCIENCE: 6 hours

- ☐ PSY 100 Intro to Psychology
- ☐ Select one additional course with CRJ, ECO, GEO, PSC, or SOC prefix

BIBLICAL STUDIES: 6 hours

- ☐ Select 2 courses from the following
BIB 100 Old Testament I; BIB 101 Old Testament II;
BIB 200 New Testament I; BIB 201 New Testament II

BIOLOGICAL SCIENCE: 8 hours

Met in major requirements.

PHYSICAL SCIENCE: 4 hours

Met in major requirements.

MATHEMATICS: 6 hours

- ☐ MAT 110 College Algebra
- ☐ MAT 111 Trigonometry
- OR** *Students majoring in Biology with Pre-Pharmacy emphasis must take:*
- ☐ MAT 140 Elementary Statistics
- ☐ MAT 230 Calculus & Analytical Geometry I

FINE ARTS: 3 hours

- ☐ Choose one course from the following
ART 142 Art Appreciation; MUS 142 Music Appreciation;
STH 142 Theatre Appreciation; STH 210 Oral Communication;
or STH 225 Oral Interpretation

PHYSICAL FITNESS: 2 hours*

**All first-time freshmen must take PED 127 or PED 128. Athletes and band earn the 2-hour physical fitness requirement in their sport/activity.*

- ☐ PED 127 Fitness for Life—Cardio **or**
PED 128 Fitness for Life—Resistance
- ☐ Choose one additional activity course with PED prefix

☐ **ELECTIVE: 3 hours**

FIRST YEAR SEMINAR: 1 hour

Required only for First-time Freshmen

- ☐ FYS 100 First Year Seminar

REQUIREMENTS IN THE MAJOR: 59-62 hours required

Biology majors must complete all major required courses and all required courses in at least one of the three emphases listed.

- ☐ BIO 188/188L General Biology I & Lab for Majors
- ☐ BIO 189/189L General Biology II & Lab for Majors
- ☐ BIO 300/300L General Microbiology & Lab
- ☐ BIO 335/335L Cell Biology & Lab
- ☐ BIO 340/340L Fundamentals of Zoology & Lab
- ☐ BIO 366/366L Genetics & Lab
- ☐ BIO 470 Senior Seminar
- ☐ CHE 194/194L General Chemistry I & Lab
- ☐ CHE 195/195L General Chemistry II & Lab
- ☐ CHE 330/330L Organic Chemistry I & Lab
- ☐ CHE 331/331L Organic Chemistry II & Lab

(continued on next page)

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AREAS OF EMPHASIS (18-21 HOURS)

Select one emphasis area from those listed: Medical Science, Nutrition, Pre-Pharmacy, or Wildlife Biology.

MEDICAL SCIENCES EMPHASIS (21 HOURS)

- ☐ BIO 390/390L Human Anatomy & Physiology I Lab
- ☐ BIO 391/391L Human Anatomy & Physiology II Lab
- ☐ BIO 405 Bioethics
- ☐ BIO 460 Pathophysiology
- ☐ BIO 480 Internship in Medical Science
- ☐ Select one class with lab from the following:
BIO 310/310L Plant Morphology & Lab;
BIO 317/317L Systematic Botany & Lab;
BIO 414/414L Ecology & Lab; **or**
BIO 423/423L Comparative Vertebrate Anatomy & Lab

**NUTRITION EMPHASIS (18 HOURS)
(LCM-RIZE Courses—fully online)**

- ☐ NTR 100 Introduction to Nutrition
- ☐ NTR 200 Food Science
- ☐ NTR 210 Lifecycle Nutrition I
- ☐ NTR 301 Lifecycle Nutrition II
- ☐ NTR 400 Medical Nutrition Therapy

PRE-PHARMACY EMPHASIS (20-21 HOURS)

- ☐ BIO 392/392L Human Physiology & Lab
- ☐ BIO 405 Bioethics
- ☐ BIO 430 Immunology
- ☐ BIO 432 Medical Microbiology
- ☐ Select one class with lab from the following:
BIO 310/310L Plant Morphology & Lab;
BIO 317/317L Systematic Botany & Lab;
BIO 414/414L Ecology & Lab; **or**
BIO 423/423L Comparative Vertebrate Anatomy & Lab

WILDLIFE BIOLOGY EMPHASIS (19-20 HOURS)

- ☐ BIO 310/310L Plant Morphology & Lab
- ☐ BIO 317/317L Systematic Botany & Lab
- ☐ BIO 414/414L Ecology & Lab
- ☐ BIO 423/423L Comparative Vertebrate Anatomy & Lab
- ☐ Select one additional course with BIO prefix

☐ **MINOR REQUIREMENTS: 18-25 HOURS DETERMINED BY CHOSEN MINOR**