

# Bachelor of Science in Biology, Biomedical Sciences

## CATALOG YEAR 2025-2026

### GENERAL EDUCATION REQUIREMENTS

#### English Composition

ENGL 101 or 107..... 3 \_\_\_\_

ENGL 102 or 108..... 3 \_\_\_\_

Or

ENGL 109H ..... 3 \_\_\_\_

#### Foundation Mathematics

MATH 119A\* **OR** MATH 122A/B **OR** 125 (F, S, SS) ..... 4 \_\_\_\_

\* MATH 119A is not a pre-requisite for MATH 129

#### Second Language

2<sup>nd</sup> semester proficiency by credit or exam required 3-5 \_\_\_\_

#### Intro. to General Education

UNIV 101 ..... 1 \_\_\_\_

#### Exploring Perspectives (4 courses)

Artist ..... 3 \_\_\_\_

Humanist..... 3 \_\_\_\_

Social Scientist..... 3 \_\_\_\_

Natural Scientist .... Satisfied by Major Foundation Sciences

#### Building Connections (2 courses)

Course One..... 3 \_\_\_\_

Course Two ..... 3 \_\_\_\_

#### Civic Institutions (1 course)

Course One..... 3 \_\_\_\_

#### General Education Capstone

UNIV 301 ..... 1 \_\_\_\_

### FOUNDATION SCIENCE COURSES

#### Chemistry (General & Organic Chemistry, with labs)

CHEM 151 **OR** 161/163 **OR** 141/143 .....4 \_\_\_\_

CHEM 152 **OR** 162/164 **OR** 142/144 .....4 \_\_\_\_

CHEM 241A & 243A **OR** 242A & 244A .....3 \_\_\_\_ 1 \_\_\_\_

CHEM 241B & 243B **OR** 242B & 244B .....3 \_\_\_\_ 1 \_\_\_\_

#### Physics (Introductory Physics)

PHYS 110 **OR** 141 **OR** 161H 102/181 ..... 3 \_\_\_\_ 1 \_\_\_\_ or 4 \_\_\_\_

PHYS 111 **OR** 241 **OR** 261H 103/182 ..... 3 \_\_\_\_ 1 \_\_\_\_ or 4 \_\_\_\_

#### Mathematics (Calculus II or Biostatistics)

MATH 263 **OR** ECOL 379 **OR** MATH 129(F, S, SS) ..... 3 \_\_\_\_

### UNIVERSITY REQUIREMENTS:

120 total units  42 upper division units

2.000+ cum GPA  2.000+ major GPA

MCWA complete Final 18 of 30 units complete 30+ total \_\_\_\_  
units at UA 18+ upper-division units at UA <60 \_\_\_\_  
correspondence/UA exam units

### BIOLOGY MAJOR

#### Core Requirements (20 units)

ECOL 182R -Introductory Biology II (F, S)..... 3 \_\_\_\_

ECOL 182L -Introductory Biology II Lab (F, S)..... 1 \_\_\_\_

MCB 181R - Introductory Biology I (F, S)..... 3 \_\_\_\_

MCB 181L - Introductory Biology I Lab (F, S)..... 1 \_\_\_\_

ECOL 302 - Ecology (F) ..... 4 \_\_\_\_

ECOL 335 - Evolutionary Biology (S) ..... 4 \_\_\_\_

ECOL 320 - Genetics (F) ..... 4 \_\_\_\_

BIOC 384 – Biochemistry (F, S, SS) ..... 3 \_\_\_\_

#### Major Electives (23 unit minimum)

Must be upper-division (300-or 400-level) and may only count towards one category. Up to six units of graded upper-division research credit can count towards Major Electives.

#### Macroorganismal Biology (3 units)

[LINK TO ELECTIVE LISTS](#) ..... 3 \_\_\_\_

#### Microorganismal Biology (3 units)

[LINK TO ELECTIVE LISTS](#) ..... 3 \_\_\_\_

#### Cellular or Molecular Biology (6 units)

[LINK TO ELECTIVE LISTS](#) ..... 3 \_\_\_\_

[LINK TO ELECTIVE LISTS](#) ..... 3 \_\_\_\_

#### Physiology (8 units)

[LINK TO ELECTIVE LISTS](#) ..... 4 \_\_\_\_

[LINK TO ELECTIVE LISTS](#) ..... 4 \_\_\_\_

OR PSIO 201 & 202 both ..... 8 \_\_\_\_

#### Genetics Elective (3 units)

[LINK TO ELECTIVE LISTS](#) ..... 3 \_\_\_\_

#### Science and Society (3 units)

[LINK TO ELECTIVE LISTS](#) ..... 3 \_\_\_\_

#### Major electives must include one of each of the following:

Writing Emphasis Course ..... \_\_\_\_

Lab Component Course ..... \_\_\_\_