

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

2nd 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 (3 courses)

Course One..... 3 ____

Course Two 3 ____

Course Three 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 ____