

BACHELOR OF SCIENCE DEGREE IN BIOLOGY (BIOMEDICAL SCIENCES FOCUS) Catalog yr: 2017-18

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Appointments: wiseadvising.arizona.edu

Name: _____

Student # _____

Date: _____

General Education Requirements

English Composition

| | | | | |
|----------------------------|---|-------|---|-------|
| ENGL 101 & 102* | 3 | _____ | 3 | _____ |
| OR ENGL (106 & 107 & 108*) | 3 | _____ | 3 | _____ |
| OR ENGL 109H* | | | 3 | _____ |

*A grade of B or higher in ENGL102, 108 or 109H is required to satisfy the Mid-Career Writing Assessment (MCWA).

Second Language

2nd semester proficiency by credit or exam required _____

Mathematics

Requirement satisfied by Biology Foundation courses.

Tier One

Individuals & Societies (2 courses)- select from 150A, B & C
 _____ & _____ 3 _____ 3 _____

Traditions & Cultures (2 courses)- select from 160A, B, C & D
 _____ & _____ 3 _____ 3 _____

Tier Two

Arts (3 units)- _____ 3 _____

Humanities (1 course)- _____ 3 _____

Individuals & Societies (1 course)- _____ 3 _____

Natural Sciences (NATS) requirement satisfied by major coursework.

Diversity Emphasis Course

One course must be taken that focuses on Gender, Race, Class, Ethnicity, Sexual Orientat. or Non-Western Studies. Certain Tier One & Two courses can also be used to satisfy this requirement.

Biology Major Foundation Courses

Chemistry

CHEM 151 (F, S, SS) or CHEM 105A & 106A _____ 4 _____

CHEM 152 (F, S, SS) or CHEM 105B & 106B _____ 4 _____

CHEM 241A & 243A (F, S, SS) _____ 3 _____ 1 _____

CHEM 241B & 243B (F, S, SS) _____ 3 _____ 1 _____

Physics

PHYS 102 & 181- Algebra based (F, S, SS) _____ 3 _____ 1 _____

& PHYS 103 & 182 (F, S, SS) _____ 3 _____ 1 _____

OR PHYS 141 & 241- Calculus based (F, S, SS) _____ 4 _____ 4 _____

Mathematics

MATH 122A & 122B OR 125 (3) (F, S, SS) _____ 5 _____

MATH 129 OR MATH 263 (F, S, SS) _____ 3 _____

Biology

ECOL 230 OR 249 OR 280 _____ 3 _____

Biology Major (49 Units Minimum)

Core Requirements

MCB 181R Intro Biology I (F, S, SS) _____ 3 _____

MCB 181L Intro Bio I Lab (F, S) _____ 1 _____

ECOL 182R Intro Biology II (F, S, SS) _____ 3 _____

ECOL 182L Intro Bio II Lab (F, S, SS) _____ 1 _____

ECOL 302 Ecology w/ lab (Fall Only) _____ 4 _____

ECOL 320 Genetics (F, SS) _____ 4 _____

ECOL 335* Evolutionary Bio (Spring Only) _____ 4 _____

*Highly recommended prerequisite: ECOL320 (Genetics)

BIOC 384** Fund. of Biochemistry (F, S, SS) _____ 3 _____

**BIOC 462A is an approved alternative

Major Elective courses- Biomedical Sciences Focus

Elective courses must be upper division (300 or 400 level) and may only count towards one category below

-Physiology (8 units)

_____ () _____

_____ () _____

OR PSIO 201 & 202 Human Anat. & Physio. _____ 4 _____ 4 _____

-Genetics (3 units)

_____ 3 _____

-Cellular or Molecular Biology (6 units)

_____ () _____

_____ () _____

-Biology of Organisms- Microorganismal (3 units)

_____ 3 _____

-Biology of Organisms - Macroorganismal (3 units)

_____ 3 _____

-Science & Society (3 units)

_____ 3 _____

Additional Elective Requirements

Lab Component Course- _____

At least one major elective course must have a lab component.

Writing Emphasis Course- _____

At least one major elective course must be writing emphasis.

Upper Division Requirement

A minimum of 42 units of upper division (300/ 400 level) coursework is required to complete this degree. Students are responsible to ensure this requirement is met.

Graduation Requirements

120 total units 42 upper division units 30 units or more completed at UA 2.00 or higher cum & major GPA 56 University units

Major Complete General Education Complete MCWA Complete- A grade of B or higher in ENGL 102, 108 or 109H OR with ENGL 308.