

BACHELOR OF SCIENCE DEGREE IN BIOLOGY (BIOMEDICAL SCIENCES FOCUS) Catalog yr: 2016-17

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Appointments: www.sbs.arizona.edu/advising

Name: _____

Student # _____

Date: _____

General Education Requirements

English Composition

ENGL 101 & 102*	3	3
OR ENGL 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.

_____ 3 _____

Biology Major Foundation Courses

Chemistry

CHE M 151 (F, S, SS) or CHE M 105A & 106A	4	_____
CHE M 152 (F, S, SS) or CHE M 105B & 106B	4	_____
CHE M 241A & 243A (F, S, SS)	3	1 _____
CHE M 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

E COL 230 OR 249 OR 280	3	_____
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Biology Major (35 Units Minimum)

Core Requirements

MCB 181R	Intro Biology I (F, S, SS)	3	_____
MCB 181L	Intro Bio I Lab (Fall Only)	1	_____
E COL 182R	Intro Biology II (F, S, SS)	3	_____
E COL 182L	Intro Bio II Lab (Spring Only)	1	_____
E COL 302	Ecology w/ lab (Fall Only)	4	_____
E COL 320	Genetics (F, SS)	4	_____
E COL 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 (3 units)
 _____ 3 _____

-Organismal Biology- Microorganismal (1 course)
 _____ () _____

-Organismal Biology- Macroorganismal (1 course)
 _____ () _____

-Science & Society (2 courses)
 _____ () _____
 _____ () _____

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.