

BACHELOR OF SCIENCE DEGREE IN BIOLOGY (BIOMEDICAL SCIENCES FOCUS) Catalog yr: 2015-16

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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 (General & Organic w/ labs)

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 (Introductory Physics w/ labs)

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 (Calculus, I, II & BioStatistics)

MATH 122A & 122B OR 125 (3) (F, S, SS)	5	_____
MATH 129 (F, S, SS)	3	_____
MATH 263 OR 363 (F, S, SS)	3	_____

Graduation Requirements

- 120 total units 42 upper division units 30 units or more completed at UA 2.00 or higher cum & major GPA
- Major Complete General Education Complete MCWA Complete- A grade of B or higher in ENGL 102, 108 or 109H OR with ENGL 308.

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	_____
ECOL 182R	Intro Biology II (F, S, SS)	3	_____
ECOL 182L	Intro Bio II Lab (Spring Only)	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	_____
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**BIOC 462A is an approved alternative

[‡]A grade of C or higher in all core courses is required to graduate

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	_____
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-Cellular or Molecular Biology (3 units)

_____	3	_____
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-Organismal Biology- Microorganismal (1 course)

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

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

MCB 404	Biology In Human Affairs (F, S, SS)	3	_____
PHIL 321	Medical Ethics (F, S)	3	_____
ECOL 409	Evolution of Infectious Diseases (F)	3	_____
ANTH 369	Darwinian Medicine (F)	3	_____
ACBS 438	Ecology Of Infectious Diseases (S)	3	_____
ECOL 379	Evidence Based Medicine (S)	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.