

B.S. DEGREE IN BIOLOGY - BIOMEDICAL SCIENCES FOCUS

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 ENGL 102, 108 or 109H is required to satisfy the Mid-Career Writing Assessment (MCWA).

Second Language

2nd semester proficiency by credit or exam required _____

Tier One Courses

Individuals & Societies 150

_____ & _____ 3 _____ 3 _____

Traditions & Cultures 160

_____ & _____ 3 _____ 3 _____

Tier Two Courses

Arts _____ 3 _____

Humanities _____ 3 _____

Individuals & Societies _____ 3 _____

Diversity Emphasis Course

A course focused on Gender, Race, Class, Ethnicity, Sexual Orientation, or Non-Western Studies. This can double-dip with tier 1 or 2 course

Biology Major Foundation Courses

Chemistry

CHEM 141 & 145 General Chemistry I _____ 4 _____

CHEM 142 & 146 General Chemistry II _____ 4 _____

CHEM 241A & 243A Organic Chemistry I _____ 3 _____ 1 _____

CHEM 241B & 243B Organic Chemistry II _____ 3 _____ 1 _____

Physics

PHYS 102 & 181- Algebra based physics I _____ 3 _____ 1 _____

& PHYS 103 & 182 Physics II _____ 3 _____ 1 _____

OR PHYS 141 & 241- Calculus based _____ 4 _____ 4 _____

Mathematics

MATH 122A & 122B Calculus I _____ 5 _____

MATH 263 OR MATH 129 OR ECOL 379 _____ 3 _____

Lower Division Biology

ECOL 206 OR 223 OR 230 OR 250 OR 220 _____ 3 _____

Biomedical Sciences Focus

Core Requirements

MCB 181R Introductory Biology 1 _____ 3 _____

MCB 181L Introductory Biology 1 Lab _____ 1 _____

ECOL 182R Introductory Biology 2 _____ 3 _____

ECOL 182L Introductory Biology 2 Lab _____ 1 _____

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

ECOL 320 Genetics (Fall, Summer) _____ 4 _____

ECOL 335 Evolutionary Bio (Spring Only) _____ 4 _____

BIOC 384 Foundations of Biochemistry _____ 3 _____

Major Elective Courses

Elective courses must be upper division (300 or 400 level). There is no double dipping across categories

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

_____ _____

Writing Emphasis Course

_____ _____

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

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

UA ONLINE B.S BIOLOGY BIOMEDICAL SCIENCES TERM PLANNING SHEET

FALL	
Regular	
7 Week 1	7 Week 2
MATH 100 (3)	MATH 112 (3)
ECOL 182 R (3)	MCB 181 R (3)
ECOL 182 L (1)	MCB 181 L (1)

Total Units 14

SPRING	
Regular	
MATH 120 R (4)	
7 Week 1	7 Week 2
ENGL 101 (3)	ENGL 102 (3)
Tier 1 150 (3)	200 level ECOL (3)

Total Units 16

SUMMER	
5 week 1 or 2	
7 Week 1	7 Week 2
MATH 122 A (1)	MATH 122 B (4)

Total Units 5

FALL	
Regular	
CHEM 141 & 145 (4)	
MATH 263 (3)	
7 Week 1	7 Week 2
Tier 2 Arts (3)	ECOL 302 (4)
Genetics Elect (3)	

Total Units 17

SPRING	
Regular	
CHEM 142 & 146 (4)	
Physio Major Elective (4)	
7 Week 1	7 Week 2
160 ge ed (3)	ECOL 335 (4)

Total Units 15

SUMMER	
5 week 1 or 2	
7 Week 1	7 Week 2
Physio Elective (4)	

Total Units 4

UA ONLINE B.S BIOLOGY BIOMEDICAL SCIENCES TERM PLANNING SHEET

FALL	
Regular	
CHEM 241 A & 243 A (4)	
7 Week 1	7 Week 2
ECOL 320 (4)	Macro Org Elect (3)
	Tier 1 I60 (3)

Total Units 14

SPRING	
Regular	
CHEM 241 B & 243 B (4)	
7 Week 1	7 Week 2
Cell Elective (3)	Language 102 (4)
Language 101 (4)	

15

SUMMER	
5 Week 1 or 2	
7 Week 1	7 Week 2
Cell Elective (3)	

3

FALL	
Regular	
PHYS 102 & 181 (4)	
BIOC 384 (3)	
7 Week 1	7 Week 2
Sci & Soc (3)	Tier 1 I50 (3)

13

SPRING	
Regular	
PHYS 103 & 182 (4)	
7 Week 1	7 Week 2
Tier 2 HUMS (3)	Tier 2 INDV (3)
	Micro Org Elect (3)

13

SUMMER	
5 Week 1 or 2	
7 Week 1	7 Week 2

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