

B.S. in Biology with an emphasis in Biomedical Sciences

Department of Ecology & Evolutionary Biology, University of Arizona

Check-sheet for 2024- 2025 Catalog

Name: _____

Student # _____

Date: _____

General Education Requirements

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 _____

Intro to General Education

UNIV 101 _____ 1 _____

Exploring Perspectives

Artist	3	
Humanist	3	
Natural Scientist	3	
Social Scientist	3	

Building Connections

Course 1	3	
Course 2	3	
Course 3	3	

Capstone

UNIV 301 _____ 1 _____

Foundation Mathematics

MATH 122A & 122B Calculus I	5	
or MATH 125 Accelerated Calculus I	3	
or MATH 119A Math of Bio Systems	3	

Science Foundation Requirements

Mathematics

MATH 129 Calculus II	3	
or MATH 263 Biostatistics	3	
or ECOL 379 Evidence-Based Medicine	3	

General Chemistry I & II

CHEM 151 or 161 & 163	4	
CHEM 152 or 162 & 164	4	

Organic Chemistry I & II

CHEM 241A & 243A	3	1
CHEM 241B & 243B	3	1

Physics

PHYS 102 & 181- Algebra based physics I	3	1
& PHYS 103 & 182 Algebra based physics II	3	1
or PHYS 141 & 241- Calculus based I & II	4	4

Biology Core Courses

ECOL 182R	Introductory Biology II	3
ECOL 182L	Introductory Bio II Lab	1
MCB 181R	Introductory Biology I	3
MCB 181L	Introductory Bio I Lab	1
ECOL 302	Ecology w/ lab (Fall Only)	4
ECOL 320	Genetics	4
ECOL 335	Evolutionary Bio (Spring Only)	4
BIOC 384	Fund. of Biochemistry	3

Biomedical Sciences Electives

Elective courses must be upper division (300 or 400 level) and may only count towards one category below. Up to six units of letter graded ECOL research may apply.

Physiology	8
_____ () _____	
_____ () _____	
or PSIO 201 & 202	4 4

Genetics

_____ 3 _____

Cellular or Molecular Biology

_____ 6 _____
 _____ () _____
 _____ () _____

Microorganismal Biology

_____ 3 _____

Macroorganismal Biology

_____ 3 _____

Science and Society

_____ 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.

Graduation Requirements

MCWA: B or Higer in ENGL 102, 108 or 109H _____

C or Higher in Second Language _____

120 Total Units _____

42 Upper Division Units _____

2.0 Cumulative GPA _____

2.0 Major GPA _____