

# B.S. in Biology with an Emphasis in Organismal Biology

Department of Ecology & Evolutionary Biology, University of Arizona

Check-Sheet for 2021 Catalog and Prior

Name:

SID:

Date:

## GENERAL EDUCATION

### Composition

ENGL 101 & 102 3, 3

or ENGL 106, 107 & 108 3, 3, 3

or ENGL 109H 3

### Second Language

Second semester proficiency by credit or exam

### Tier One Courses

Individuals and Societies (150)

3

3

Traditions and Cultures (160)

3

3

### Tier Two Courses

Arts 3

Humanities 3

Individuals and Societies 3

### Diversity Emphasis

### Foundation Mathematics

Prerequisites: Placement or MATH 100, 112, (120)

MATH 122A & 122B Calculus I 1, 4

or MATH 125 Accelerated Calculus I 3

or MATH 119 Math of Bio Systems 4

## SCIENCE FOUNDATION

### 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 141 & 143 or 161 & 163 4

CHEM 152 or 142 & 144 or 162 & 164 4

### Organic Chemistry I & II

CHEM 241A & 243A 4

CHEM 241B & 243B 4

### Physics I & II

PHYS 102 & 181 Algebra-based I 3, 1

PHYS 103 & 182 Algebra-based II 3, 1

or PHYS 141 & 241 Calculus-based I & II 4, 4

### Lower Division Biology

ECOL 206, 220, 223, 230, 249, 250 or 280 3

## BIOLOGY CORE COURSES

ECOL 182R & 182L Intro Bio II 3, 1

MCB 181R & 181L Intro Bio I 3, 1

ECOL 302 Ecology (Fall) 4

ECOL 320 Genetics (Fall & Summer) 4

ECOL 335 Evolutionary Biology (Spring) 4

BIOC 384 Biochemistry 3

## ORGANISMAL BIOLOGY ELECTIVES

Major Electives must be upper division (300- or 400-level) and may only count towards one category. Up to six units of graded upper division research credit may count towards Major Electives.

Physiology 3

Genetics 3

Cellular or Molecular Biology 6

Organismal Biology 8

Ecology, Evolution, and Behavior 6

## Additional Elective Requirements

Lab Component Course

Writing Emphasis Course

## GRADUATION REQUIREMENTS

MCWA: B or Higher in ENGL 102, 108 or 109H

C or Higher in Second Language

120 Units

42 Upper Division Units (300/400 Level)

56 University Units

30 Units at UA

18 Upper Division Units at UA

General Education Complete

2.00 Cumulative GPA

2.00 Major GPA

Major Complete

**This is an unofficial summary. Please refer to UAccess for your current Advisement Report and academic status.**

View Major Elective options in your Advisement Report or at [eeb.arizona.edu/undergraduate/majors-minors/core-elective-courses](http://eeb.arizona.edu/undergraduate/majors-minors/core-elective-courses)

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## Example Four-Year Plans

The B.S. in Biology: Organismal Biology can be completed in four years regardless of initial math placement. The following example Four-Year Plans illustrate typical course-loads by semester with various math placement levels.

	Four-Year Plan with MATH 100 Placement				Four-Year Plan with Algebra Placement			
Year One	<b>Fall</b>	<b>12</b>	<b>Spring</b>	<b>17</b>	<b>Fall</b>	<b>16</b>	<b>Spring</b>	<b>15</b>
	MATH 100	3	MATH 112	3	MATH 112	3	CHEM 151	4
	ENGL 101	3	Gen Ed	3	ENGL 101	3	MATH 120R	4
	Language	4	ENGL 102	3	Language	4	ENGL 102	3
	SAS 100AX	2	ECOL 182R	3	Gen Ed	3	Language	4
			ECOL 182L	1	Gen Ed	3		
			Language	4				
Year Two	<b>Fall</b>	<b>18</b>	<b>Spring</b>	<b>15</b>	<b>Fall</b>	<b>16</b>	<b>Spring</b>	<b>17</b>
	MATH 120R	4	MATH 122A	1	MATH 122A	1	ECOL 182R	3
	MCB 181R	3	MATH 122B	4	MATH 122B	4	ECOL 182L	1
	MCB 181L	1	CHEM 152	4	CHEM 152	4	CHEM 241A	3
	CHEM 151	4	Gen Ed	3	MCB 181R	3	CHEM 243A	1
	LD Biology	3	Gen Ed	3	MCB 181L	1	LD Biology	3
	Gen Ed	3	Major Elective	3	Gen Ed	3	MATH 129/263	3
							Major Elective	3
Year Three	<b>Fall</b>	<b>17</b>	<b>Spring</b>	<b>17</b>	<b>Fall</b>	<b>14</b>	<b>Spring</b>	<b>17</b>
	ECOL 320	4	ECOL 335	4	ECOL 320	4	ECOL 335	4
	CHEM 241A	3	CHEM 241B	3	CHEM 241B	3	PHYS 102	3
	CHEM 243A	1	CHEM 243B	1	CHEM 243B	1	PHYS 181	1
	MATH 129/263	3	Gen Ed	3	Gen Ed	3	Gen Ed	3
	Gen Ed	3	Major Elective	3	Major Elective	3	Major Elective	3
	Major Elective	3	Major Elective	3			Major Elective	3
Year Four	<b>Fall</b>	<b>16</b>	<b>Spring</b>	<b>17</b>	<b>Fall</b>	<b>15</b>	<b>Spring</b>	<b>16</b>
	ECOL 302	4	BIOC 384	3	ECOL 302	4	BIOC 384	3
	PHYS 102	3	PHYS 103	3	PHYS 103	3	Gen Ed	3
	PHYS 181	1	PHYS 182	1	PHYS 182	1	Gen Ed	4
	Major Elective	4	Gen Ed	3	Major Elective	4	Major Elective	3
	Major Elective	3	Major Elective	3	Major Elective	3	Major Elective	3
	GE Capstone	1	Major Elective	4				
	<b>Total Units</b>	<b>129</b>			<b>Total Units</b>	<b>126</b>		

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## Example Four-Year Plans

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	Four-Year Plan with Pre-Calculus Placement				Four-Year Plan with Calculus Placement			
Year One	<b>Fall</b>	<b>14</b>	<b>Spring</b>	<b>16</b>	<b>Fall</b>	<b>15</b>	<b>Spring</b>	<b>14</b>
	MATH 120R	4	MATH 122A	1	MATH 122A	1	MATH 129/263	3
	CHEM 151	4	MATH 122B	4	MATH 122B	4	CHEM 152	4
	ENGL 101	3	CHEM 152	4	CHEM 151	4	ECOL 182R	3
	Gen Ed	3	ECOL 182R	3	ENGL 101	3	ECOL 182L	1
			ECOL 182L	1	Gen Ed	3	ENGL 102	3
			ENGL 102	3				
Year Two	<b>Fall</b>	<b>15</b>	<b>Spring</b>	<b>15</b>	<b>Fall</b>	<b>15</b>	<b>Spring</b>	<b>15</b>
	MATH 129/263	3	CHEM 241B	3	CHEM 241A	3	CHEM 241B	3
	CHEM 241A	3	CHEM 243B	1	CHEM 243A	1	CHEM 243B	1
	CHEM 243A	1	Major Elective	4	MCB 181R	3	LD Biology	3
	MCB 181R	3	Language	4	MCB 181L	1	Major Elective	4
	MCB 181L	1	Gen Ed	3	Language	4	Language	4
	Language	4			Gen Ed	3		
Year Three	<b>Fall</b>	<b>17</b>	<b>Spring</b>	<b>16</b>	<b>Fall</b>	<b>17</b>	<b>Spring</b>	<b>16</b>
	ECOL 320	4	ECOL 335	4	ECOL 320	4	ECOL 335	4
	Major Elective	4	Major Elective	3	Major Elective	4	Major Elective	3
	Major Elective	3	Major Elective	3	Major Elective	3	Major Elective	3
	LD Biology	3	Gen Ed	3	Gen Ed	3	Gen Ed	3
	Gen Ed	3	Gen Ed	3	Gen Ed	3	Gen Ed	3
Year Four	<b>Fall</b>	<b>17</b>	<b>Spring</b>	<b>13</b>	<b>Fall</b>	<b>17</b>	<b>Spring</b>	<b>11</b>
	ECOL 302	4	BIOC 384	3	ECOL 302	4	BIOC 384	3
	PHYS 102	3	PHYS 103	3	PHYS 102	3	PHYS 103	3
	PHYS 181	1	PHYS 182	1	PHYS 181	1	PHYS 182	1
	Major Elective	3	Major Elective	3	Gen Ed	3	Major Elective	3
	Major Elective	3	Gen Ed	3	Major Elective	3	Additional Units	1
	Gen Ed	3			Major Elective	3		
Total Units		<b>123</b>			Total Units	<b>120</b>		