

The University of Montana Western
2017-2018 Catalog
Bachelor of Science: Biology

Name _____ Evaluated by _____
 ID # _____ Date _____

Institution _____ Abbreviated _____
 Institution _____ Abbreviated _____
 Institution _____ Abbreviated _____

Bachelor of Science: Biology **120 Total Required Credits**

General Education Requirements (printable worksheet available at advising.umwestern.edu) **32 Credits**

The following required courses are general education requirements specific to this degree. They will satisfy these particular general education categories:

Math 100-Level (category located on page 1 of your general education worksheet)

_____	STAT 121	Probability	_____	4	For Office Use
		<i>Prereq: M 095 or appropriate ACT or SAT score.</i>			

Natural Sciences (category located on page 2 of your general education worksheet)

_____	BIOB 160	Principles of Living Systems	_____	4	
		<i>Prereq: M 095 or appropriate ACT or SAT score.</i>			
_____	CHMY 141	College Chemistry I	_____	4	
		<i>Prereq: M 095 or appropriate ACT or SAT score; (high school chemistry or CHMY 121 recommended).</i>			

Biology Major Core **52 Credits**

_____	BIOB 170	Principles of Biology Diversity	_____	4	
		<i>Prereq: M 095 or appropriate ACT or SAT score; (BIOB 160 recommended).</i>			
_____	BIOB 260	Cellular & Molecular Biology	_____	4	
		<i>Prereq: BIOB 160.</i>			
_____	BIOB 375	General Genetics	_____	4	
		<i>Prereq: BIOB 260 and STAT 121.</i>			
_____	BIOB 420	Evolution	_____	4	
		<i>Prereq: Junior/Senior standing and BIOB 375.</i>			
_____	BIOE 370	General Ecology	_____	4	
		<i>Prereq: BIOB 170.</i>			
_____	BIOO 220	General Botany	_____	4	
		<i>Prereq: BIOB 160.</i>			
_____	CHMY 143	College Chemistry II	_____	4	
		<i>Prereq: CHMY 141.</i>			
_____	CHMY 321	Organic Chemistry I	_____	4	
		<i>Prereq: CHMY 143.</i>			
_____	CHMY 323	Organic Chemistry II	_____	4	
		<i>Prereq: CHMY 321.</i>			

Select **one** of the following: (4 credits)

_____	M 161	Survey of Calculus	_____	4	
		<i>Prereq: M 095 or appropriate ACT or SAT score.</i>			
_____	M 171	Calculus I	_____	4	
		<i>Prereq: M 112; or C- or higher in high school trigonometry</i>			

Select **two** of the following: (8 credits)

_____	PHSX 220	Physics I	_____	4	<input type="text"/>	<input type="text"/>
		<i>Prereq: M 161 or M 171.</i>				
_____	PHSX 222	Physics II	_____	4	<input type="text"/>	<input type="text"/>
		<i>Prereq: M 161 or M 171.</i>				
_____	PHSX 224	Physics III	_____	4	<input type="text"/>	<input type="text"/>
		<i>Prereq: M 161 or M 171.</i>				

Select **one** of the following: (4 credits)

_____	STAT 217	Intermediate Statistical Concepts	_____	4	<input type="text"/>	<input type="text"/>
		<i>Prereq: STAT 121.</i>				
_____	STAT 233	Biostatistics	_____	4	<input type="text"/>	<input type="text"/>
		<i>Prereq: STAT 121.</i>				

Internship

4 Credits

_____	BIOB 494P	Seminar: Public Presentation	_____	1	<input type="text"/>	<input type="text"/>
		<i>Prereq or Coreq: BIOB/CHMY 498 or BIOB/CHMY 499; and instructor consent</i>				

Select **one** of the following: (3 credits)

_____	BIOB 498	Internship/Cooperative Education	_____	3	<input type="text"/>	<input type="text"/>
		<i>Prereq: Junior/Senior standing; and instructor consent.</i>				
_____	BIOB 499	Senior Thesis/Capstone	_____	3	<input type="text"/>	<input type="text"/>
		<i>Prereq: Junior/Senior standing; and instructor consent.</i>				
_____	KIN 498	Internship/Cooperative Education	_____	3	<input type="text"/>	<input type="text"/>
		<i>Prereq: Junior/Senior standing; and instructor consent.</i>				

Biology Option Areas (Choose one) (printable worksheets are available at advising.umwestern.edu)

24 Credits

_____	Integrative Biology Option	24
_____	Molecular Bioscience Option	24
_____	Pre-Professional Medical & Veterinary Sciences	24

Electives to reach 120 total credits

8 Credits

Select any college-level courses from the catalog to bring degree total to 120 credits.

Subject	Course #	Title			

Total Earned Credits
