

The University of Montana Western
2015-2016 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)

31-32 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**

Prereq: M 095 or equivalent ACT score 22+ or SAT score 520+.

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

_____ **BIOB 160** **Principles of Living Systems** _____ **4**

Prereq: M 095 or higher.

_____ **CHMY 141** **College Chemistry I** _____ **4**

Prereq: M 095 or higher; (high school chemistry or CHMY 121 recommended).

Institution	Accepted
For Office Use	

Biology Major Core

52 Credits

_____ **BIOB 170** **Principles of Biology Diversity** _____ **4**

Prereq: M 095 or higher; (BIOB 160 recommended).

_____ **BIOB 260** **Cellular & Molecular Biology** _____ **4**

Prereq: BIOB 160.

_____ **BIOB 375** **General Genetics** _____ **4**

Prereq: BIOB 260 and STAT 121.

_____ **BIOB 420** **Evolution** _____ **4**

Prereq: Junior/Senior standing and BIOB 375.

_____ **BIOE 370** **General Ecology** _____ **4**

Prereq: BIOB 170.

_____ **BIOO 220** **General Botany** _____ **4**

Prereq: BIOB 160.

_____ **CHMY 143** **College Chemistry II** _____ **4**

Prereq: CHMY 141.

_____ **CHMY 321** **Organic Chemistry I** _____ **4**

Prereq: CHMY 143.

_____ **CHMY 323** **Organic Chemistry II** _____ **4**

Prereq: CHMY 321.

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

_____ **M 161** **Survey of Calculus** _____ **4**

Prereq: M 095 or equivalent ACT score 22+ or SAT score 520+.

_____ **M 171** **Calculus I** _____ **4**

Prereq: M 112; or high school trigonometry and M 095 or ACT score 22+ or SAT score 520+.

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

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

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

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

Internship

4 Credits

_____	BIOB 494P	Seminar: Public Presentation <i>Prereq or Coreq: BIOB/CHMY 498 or BIOB/CHMY 499; and instructor consent</i>	_____	1	<input type="text"/>	<input type="text"/>
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Select **one** of the following: (3 credits)

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

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

24 Credits

_____	Integrative Biology Option	24
_____	Molecular Bioscience Option	24
_____	Wildlife Ecology Option	24

Electives to reach 120 total credits

8-9 Credits

Subject	Course #	Title			

_____ **Total Earned Credits**