

The University of Montana Western
2015-2016 Catalog

Bachelor of Science: Environmental Science

Name	Evaluated by
ID #	Date
Institution	Abbreviated
Institution	Abbreviated
Institution	Abbreviated

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

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

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 equivalent ACT score 22+ or SAT score 520+.

_____ GEO 103 Intro to Environmental Geology _____ 4
Prereq: M 095 or higher or equivalent.

31-32 Credits

Institution	Accepted
For Office Use	

Environmental Science Major Core

48 Credits

_____ BIOB 170 Principles of Biological Diversity _____ 4
Prereq: M 095 or higher or equivalent; (BIOB 160 recommended).

_____ BIOO 220 General Botany _____ 4
Prereq: BIOB 160.

_____ CHMY 141 College Chemistry I _____ 4
Prereq: M 095 or higher or equivalent; (High school chemistry or CHMY 121 recommended)

_____ CHMY 143 College Chemistry II _____ 4
Prereq: CHMY 141

_____ ENSC 348 Soil Science _____ 4
Prereq: M 095 or higher or equivalent, and CHMY 121 or 141; and either BIOB 101, 160 or 170; and GEO 101 or 103.

_____ ENSC 394 Geographic Information Systems Seminar _____ 2
Completion of general education and ENVS 269 recommended.

_____ ENSC 429 Environmental Field Studies _____ 4
Prereq: Junior/Senior standing

_____ ENVS 269 Wildland Skills: Maps, Compass, & GPS _____ 2
Prereq: M 095 or higher or equivalent.

_____ GEO 226 Rocks, Minerals & Resources _____ 4
Prereq: GEO 101 or 103; and either CHMY 121 or 141.

_____ NRSM 441 Sustainable Resource Management _____ 4
Prereq: Junior/Senior standing

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

_____ M 161 Survey of Calculus _____ 4
Prereq: M 095 or higher or equivalent.

_____ M 171 Calculus _____ 4
Prereq: M 112 or grade of C- or higher in high school trigonometry

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

Internship				4	Credits	
_____	ENSC/ ENST	494P Seminar: Public Presentation <i>Prereq or Coreq: ENSC/ENST 498 or ENSC/ENST 499; and instructor consent</i>	_____	1	<input type="text"/>	<input type="text"/>
Select one of the following: (3 credits)						
_____	ENSC/ ENST	498 Internship/Cooperative Education <i>Prereq: Junior/Senior standing; and instructor consent.</i>	_____	3	<input type="text"/>	<input type="text"/>
_____	ENSC/ ENST	499 Senior Thesis/Capstone <i>Prereq: Junior/Senior standing; and instructor consent.</i>	_____	3	<input type="text"/>	<input type="text"/>

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

_____	Geology Option	28	28	Credits
_____	Sustainable Natural Resource Management Option	28	28	
_____	Wetlands Management Option	28	28	

Electives to reach 120 total credits

4 Credits

Subject	Course #	Title			

_____ **Total Earned Credits**