

The University of Montana Western
2017-2018 Catalog
Bachelor of Science: Earth Science & Secondary Education Double Major

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

Bachelor of Science: Earth Science & Secondary Ed Double Major **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 _____
Prereq: M 095 or appropriate ACT or SAT score.

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

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

_____ GEO 101 Intro to Physical Geology _____
 OR
Prereq: M 095 or appropriate ACT or SAT score.

_____ GEO 103 Intro to Environmental Geology _____
Prereq: M 095 or appropriate ACT or SAT score.

Humanities: Literary & Artistic Studies

_____ PHL 241 History & Philosophy of Science _____

Environmental Science Major Core **44 Credits**

_____ ASTR 110 Intro to Astronomy _____
Prereq: M 095 or higher or equivalent

_____ CHMY 143 College Chemistry II _____
Prereq: CHMY 141

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

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

_____ GEO 230 Geology of the American West _____
Prereq: GEO 101 or 103

_____ GEO 309 Sedimentation & Stratigraphy _____
Prereq: GEO 101 or 103

_____ GEO 315 Structural Geology _____
Prereq: GEO 226

_____ GEO 378 Surficial Processes _____
Prereq: GEO 226 or BIOO 220 or BIOO 435

_____ GEO 470 Geological Research & Writing _____
Prereq: GEO 101 or 103

_____ PHSX 249 Physical Meteorology _____
Prereq: M 095 or higher or equivalent

_____ STAT 217 Intermediate Statistical Concepts _____
Prereq: STAT 121.

Institution	Accepted
For Office Use	

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Professional Education Core

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EDU	201	Intro to Education w/Field Experience	4		
EDU	222	Educational Psychology & Child Development	4		
EDU	306	School Law & Advocacy for all K-12 Learners	4		
<i>Prereq: EDU 382, TEP</i>					
EDU	311	Cultures, Diveristy & Ethics in Global Ed	4		
<i>Prereq: TEP</i>					
EDU	371	Found of Ed Technology for Secondary Schools	2		
<i>Prereq: Passing Info Lit/Tech Exam, or B in either COMS 115 or CAPP 131</i>					
EDU	382	Assessment, Curriculum & Instruction	4		
<i>Prereq: EDU 201, 222</i>					
EDU	444	Classroom Mgmt in Secondary Schools	4		
<i>Prereq: TEP</i>					
EDU	481	Content Area Literacy	2		
<i>Prereq: TEP</i>					
EDU	497S	Methods: 5-12 Science	4		
<i>Prereq: TEP</i>					
HEE	340	Methods of Health Education	4		
<i>Prereq: EDU 201</i>					

Student Teaching

8 Credits

EDU	494	Teacher Work Sample	2		
EDU	495S	Student Teaching: 5-12	6		

Electives to reach 128 total credits

8 Credits

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

Subject	Course #	Title			