

The University of Montana Western
2015-2016 Catalog

Bachelor of Science: Secondary Education General Science Broadfield

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

Bachelor of Science: Secondary Education General Science Broadfield

130 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)

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

Humanities: Literary & Artistic Studies (category located on page 2 of your general education worksheet)

_____ PHL 241 History & Philosophy of Science _____ 4

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+.

Select **ONE** of the following:

_____ GEO 101 Intro to Physical Geology _____ 4
Prereq: M 095 or higher or equivalent.

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

Institution	Accepted
For Office Use	

General Science Major Core

56 Credits

_____ ASTR 110 Intro to Astronomy _____ 4
Prereq: M 095 or higher or equivalent

_____ 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.

_____ 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

_____ CHMY 321 Organic Chemistry I _____ 4
Prereq: CHMY 143

_____ CHMY 323 Organic Chemistry II _____ 2
Prereq: CHMY 321

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

_____ GEO 309 Sedimentation & Stratigraphy _____ 4
Prereq: GEO 101 or 103.

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

Educational Professional Core

See page 134 in the 2015-16 Catalog for recommended course sequence

34 Credits

_____	EDU	201	Intro to Education with Field Experience	_____	4		
_____	EDU	222	Educational Psychology and Child Development	_____	4		
_____	EDU	306	School Law & Advocacy for all K-12 Learners <i>Prereq: EDU 382; and TEP.</i>	_____	4		
_____	EDU	311	Cultures, Diversity, & Ethics in Global Ed <i>Prereq: TEP.</i>	_____	4		
_____	EDU	382	Assessment, Curriculum, & Instruction <i>Prereq: EDU 201; and EDU 222.</i>	_____	4		
_____	EDU	444	Classroom Management in Secondary Schools <i>Prereq: TEP; taken in semester prior to student teaching.</i>	_____	4		
_____	EDU	481	Content Area Literacy <i>Prereq: EDU 382; and TEP.</i>	_____	2		
_____	EDU	497S	Methods: 5-12 Science <i>Prereq: TEP; preferably taken in semester prior to student teaching.</i>	_____	4		

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

_____	HEE	340	Methods of Health Education	_____	4		
_____	HTH	220	Human Sexuality	_____	4		

Student Teaching

8 Credits

_____	EDU	495S	Student Teaching 5-12 <i>Prereq: Admission to student teaching and consent of Director of Field Experience.</i>	_____	8		
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Electives to reach 130 total credits

0-1 Credits

Subject	Course #	Title			

Total Earned Credits

First Aid & CPR Certification (Current certification in first aid & safety including child and adult CPR and ARD, and infant CPR.

ECP 100 First Aid & Safety (1) is recommended).

Information & Technology Exam (If a student does not pass the UMW Information & Technology exam upon entrance to UMW,

the student will take COMS 115 Computer Basics for Educators (4) to assist in passing the exam. The exam must be passed prior to admission to the Teacher Education Program - TEP).