

**The University of Montana Western**  
**2015-2016 Catalog**

**Bachelor of Science: Mathematics**  
**Mathematical Geology Option**

<b>Name</b>	<b>Evaluated by</b>
<b>ID #</b>	<b>Date</b>

<b>Institution</b>	<b>Abbreviated</b>
<b>Institution</b>	<b>Abbreviated</b>
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**Mathematical Geology Option** **28 Total Required Credits**

**General Education Requirements** (printable worksheet available at [advising.umwestern.edu](http://advising.umwestern.edu))

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

Institution	Accepted
For Office Use	

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

<u>        </u>	CHMY	141	College Chemistry I	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

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

Select **ONE** of the following: (4 Credits)

<u>        </u>	GEO	101	Intro to Physical Geology	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: M 095 or higher or equivalent.*

<u>        </u>	GEO	103	Intro to Environmental Geology	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: M 095 or higher or equivalent.*

**Option** **28**

<u>        </u>	CHMY	143	College Chemistry II	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: CHMY 141.*

<u>        </u>	GEO	226	Rocks, Minerals & Resources	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: GEO 101 or 103; and either CHMY 121 or 141.*

<u>        </u>	GEO	309	Sedimentation & Stratigraphy	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: GEO 101 or 103.*

<u>        </u>	GEO	315	Structural Geology	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: GEO 226.*

<u>        </u>	GEO	421	Hydrology	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: GEO 101 or 103, and M 161 or 171, and STAT 121, and Junior/Senior standing.*

<u>        </u>	GEO / CHMY	431	Environmental Geochemistry	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: CHMY 143, and either GEO 101 or 103.*

Select **ONE** of the following: (4 Credits)

<u>        </u>	ENSC	429	Environmental Field Studies	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: Junior/Senior standing*

<u>        </u>	GEO	378	Surficial Processes	<u>        </u>	4	<table border="1" style="width: 100%; height: 20px;"><tr><td style="width: 50%;"></td><td style="width: 50%;"></td></tr></table>		

*Prereq: GEO 226 or BIOC 220 or BIOC 435.*