

The University of Montana Western
2015-2016 Catalog

Bachelor of Science: Mathematics
Mathematical Ecology Option

Name	Evaluated by
ID #	Date

Institution	Abbreviated
Institution	Abbreviated
Institution	Abbreviated

Mathematical Ecology Option **28 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:

Institution	Accepted
For Office Use	

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

<u> </u>	BIOB	160	Principles of Living Systems	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: M 095 or higher.</i>				
<u> </u>	CHMY	141	College Chemistry I	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: M 095 or higher; (high school chemistry or CHMY 121 recommended).</i>				

Option **24**

<u> </u>	BIOB	170	Principles of Biology Diversity	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: M 095 or higher; (BIOB 160 recommended).</i>				
<u> </u>	BIOB	260	Cellular & Molecular Biology	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: BIOB 160.</i>				
<u> </u>	BIOB	375	General Genetics	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: BIOB 260 and STAT 121.</i>				
<u> </u>	BIOB	420	Evolution	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: Junior/Senior standing and BIOB 375.</i>				
<u> </u>	BIOE	370	General Ecology	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: BIOB 170.</i>				
<u> </u>	STAT	335	Advanced Field Statistics	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: STAT 217 or STAT 233.</i>				
Select ONE of the following: (4 Credits)							
<u> </u>	BIOE	222	Invasive Species	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
<u> </u>	BIOE	250	Conservation Biology	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: 100-level M or STAT course. BIOB 101 or 160 recommended for those w/out high school biology</i>				
<u> </u>	BIOE	425	Wetlands Ecology	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: CHMY 141, CHMY 143, and either BIOB 160 or BIOB 170.</i>				
<u> </u>	BIOM	427	General Parasitology	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: Junior/Senior standing.</i>				
<u> </u>	BIOO	262	Intro to Entomology	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: BIOB 170.</i>				
<u> </u>	BIOO	435	Plant Systematics	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
			<i>Prereq: BIOO 220.</i>				
<u> </u>	BIOO	450	Vertebrate Zoology	<u> </u>	4	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>

_____	BIOO	470	<i>Prereq: BIOB 170.</i> Ornithology	_____	4	<input type="text"/>	<input type="text"/>
_____	BIOO	475	<i>Prereq: BIOB 170.</i> Mammalogy	_____	4	<input type="text"/>	<input type="text"/>
_____	WILD	471	<i>Prereq: BIOB 170.</i> Wildlife Ecology and Management	_____	4	<input type="text"/>	<input type="text"/>
_____	WILD	473	<i>Prereq: BIOB 170 and either STAT 217 or STAT 233.</i> Fisheries Ecology and Management	_____	4	<input type="text"/>	<input type="text"/>
			<i>Prereq: BIOB 170 and either STAT 217 or STAT 233.</i>				