

Name \_\_\_\_\_ Evaluated by \_\_\_\_\_  
 ID # \_\_\_\_\_ Date \_\_\_\_\_

Prerequisites are shown in *italics*.

**CREDIT EVALUATION**  
**The University of Montana Western**  
**2013-2014 Catalog**

**BACHELOR OF SCIENCE: MATHEMATICS**

Institution #1 \_\_\_\_\_ Abbreviation \_\_\_\_\_  
 Institution #2 \_\_\_\_\_ Abbreviation \_\_\_\_\_  
 Institution #3 \_\_\_\_\_ Abbreviation \_\_\_\_\_

*All Mathematics courses for a Math Major must be completed with a B- or better.*

**GENERAL EDUCATION CORE REQUIREMENTS .....31-32 credits**

\_\_\_\_\_ STAT 121 Probability 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*M 095 or appropriate ACT/SAT scores*

**MATHEMATICS CORE.....48 credits**

\_\_\_\_\_ M 171 Calculus I 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*M 112 or C- or higher in high school trigonometry*

\_\_\_\_\_ M 172 Calculus II 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*M 171*

\_\_\_\_\_ M 210 Intro to Mathematical Software 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*Any 100-400 level math course*

\_\_\_\_\_ M 221 Intro to Linear Algebra 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*M 171, M 210*

\_\_\_\_\_ M 273 Multivariable Calculus 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*M 172*

\_\_\_\_\_ M 274 Intro to Differential Equations 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*M 172, M 210*

\_\_\_\_\_ M 329 Modern Geometry 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*Sophomore standing*

\_\_\_\_\_ M 343 Foundation of Mathematics 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*Sophomore standing*

**Select 1 of the following:**

\_\_\_\_\_ STAT 217 Intermediate Stats Concepts 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*STAT 121*

\_\_\_\_\_ STAT 233 Biostatistics 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*STAT 121*

\_\_\_\_\_ STAT 422 Mathematical Statistics 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*STAT 121 and M 172 grade B- or higher*

**Select 1 of the following:**

\_\_\_\_\_ M 414 Deterministic Models 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*M 172, M 210*

\_\_\_\_\_ STAT 433 Stochastic Modeling 4 \_\_\_\_\_ Accept \_\_\_\_\_  
*STAT 121 and M 210 grade B- or higher*

Name \_\_\_\_\_ Evaluated by \_\_\_\_\_  
 ID # \_\_\_\_\_ Date \_\_\_\_\_

Prerequisites are shown in *italics*.

**Select 2 of the following:**

- \_\_\_\_\_ M 431 Abstract Algebra 4 \_\_\_\_\_ Accept \_\_\_\_\_  
                   *M 343*
- \_\_\_\_\_ M 435 Advanced Calculus I 4 \_\_\_\_\_ Accept \_\_\_\_\_  
                   *M 172, M 343*
- \_\_\_\_\_ M 444 Advanced Number Theory 4 \_\_\_\_\_ Accept \_\_\_\_\_  
                   *M 343*
- \_\_\_\_\_ M 472 Intro to Complex Analysis 4 \_\_\_\_\_ Accept \_\_\_\_\_  
                   *M 273, M 343*
- \_\_\_\_\_ M 494 Seminar/Workshop 4 \_\_\_\_\_ Accept \_\_\_\_\_  
                   *M 343 and other (topic dependent) courses to be set by the instructor*
- \_\_\_\_\_ M 499 Senior Project/Thesis 4 \_\_\_\_\_ Accept \_\_\_\_\_  
                   *Senior standing*

**OPTIONS.....28 credits**

Students may choose one of three Option areas listed below, or double major in Secondary Education, or elect to use all remaining credits as electives to pursue other interests.

- Mathematical Biology (28)**
- Mathematical Ecology (28)**
- Mathematical Geology (28)**

**ELECTIVE CREDITS .....12-13 credits**

*Select from any catalog courses*

Grade/Credits	Course #	Title	Accept
_____	_____	_____	_____
_____	_____	_____	Accept _____
_____	_____	_____	Accept _____
_____	_____	_____	Accept _____
_____	_____	_____	Accept _____
_____	_____	_____	Accept _____

**Graduation requirements:**

- \_\_\_\_\_ Completed all required General Education, Core, Related Area and Elective courses
- \_\_\_\_\_ Completed a minimum total of 120 credits
- \_\_\_\_\_ No grade lower than a B- in major core classes
- \_\_\_\_\_ Minimum 2.0 GPA
- \_\_\_\_\_ Completed Application for Graduation