

Name _____ Evaluated by _____
 ID # _____ Date _____

Prerequisites are shown in *italics*.

CREDIT EVALUATION
The University of Montana Western
2014-15 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 REQUIREMENTS31-32 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 grade B- or higher

_____ M 210 Intro to Mathematical Software 4 _____ Accept _____

Any 100-400 level math course grade B- or higher

_____ M 221 Intro to Linear Algebra 4 _____ Accept _____

M 171, M 210 grade B- or higher

_____ M 273 Multivariable Calculus 4 _____ Accept _____

M 172 grade B- or higher

_____ M 274 Intro to Differential Equations 4 _____ Accept _____

M 172, M 210 grade B- or higher

_____ 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 grade B- or higher

_____ STAT 433 Stochastic Modeling 4 _____ Accept _____

STAT 121 and M 210 grade B- or higher

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Select 2 of the following:

- _____ M 431 Abstract Algebra 4 _____ Accept _____
M 343 grade B- or higher
- _____ M 435 Advanced Calculus I 4 _____ Accept _____
M 172, M 343 grade B- or higher
- _____ M 444 Advanced Number Theory 4 _____ Accept _____
M 343 grade B- or higher
- _____ M 472 Intro to Complex Analysis 4 _____ Accept _____
M 273, M 343 grade B- or higher
- _____ M 494 Seminar/Workshop 4 _____ Accept _____
M 343 grade B- or higher, 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 CREDITS12-13 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