

The University of Montana Western
2017-2018 Catalog
Bachelor of Science: Mathematics

Name _____ Evaluated by _____
 ID # _____ Date _____

Institution _____ Abbreviated _____
 Institution _____ Abbreviated _____
 Institution _____ Abbreviated _____

Bachelor of Science: Mathematics **120 Total Required Credits**

General Education Requirements (printable worksheet available at advising.umwestern.edu) **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)

_____ STAT 121 Probability _____
Prereq: M 095 or equivalent ACT or SAT score.

Institution	Accepted
For Office Use	

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Mathematics Major Core **48 Credits**

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

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_____ M 172 Calculus II _____
Prereq: M 171 grade B- or higher

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_____ M 210 Intro to Math Software _____
Prereq: STAT 121 grade B- or higher

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_____ M 221 Intro to Linear Algebra _____
Prereq: M 210 grade B- or higher.

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_____ M 343 Foundations of Mathematics _____
Prereq: Sophomore standing and M 210 grade B- or higher

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_____ M 345 Methods of Data Analysis and Modeling _____
Prereq: STAT 121 and M 210 grade B- or higher

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_____ STAT 391 Data Mining _____
Prereq: M 210 and STAT 437 grade B- or higher

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_____ STAT 420 Advanced Modeling _____
Prereq: M 210 and STAT 433 grade B- or higher

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_____ STAT 433 Stochastic Modeling _____
Prereq: STAT 121 and M 210 grade B- or higher.

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_____ STAT 437 Intro to Applied Multivariate Analysis _____
Prereq: STAT 217 or 233 and M 210 grade B- or higher

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

_____ STAT 217 Intermediate Statistical Concepts _____
Prereq: STAT 121 grade C- or higher.

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_____ STAT 233 Biostatistics _____
Prereq: STAT 121 grade C- or higher.

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

_____ M 490 Undergraduate Research _____
Prereq: Senior Standing, c/l, c/pc, and c/vc.

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_____ M 498 Internship/Cooperative Education _____
Prereq: Senior Standing, c/l, c/pc, and c/vc.

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_____ M 499 Senior Project/Thesis _____
Prereq: Senior Standing, c/l, c/pc, and c/vc.

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