UM Math Courses & Placement Exam Scores

Math placement at the University of Montana depends on two criteria: a student’s declared major and placement level. Many incoming students (both freshmen and transfer) may need to take a placement exam before registering for a Math placement course at UM. The University utilizes Maplesoft Math placement exams and offers three version of the exam: Arithmetic (M01), Algebra (M02), and Calculus (M03). Students should take a specific version of the exam based on their declared or intended major. Students should speak with their Academic Advisor for exam selection guidance or visit: http://www.umt.edu/oss/for_students/mathplacement/

Access to Math Placement Exams: Students will complete the Maplesoft placement exam by logging in to Moodle, UM’s online learning system, with their NetID and password. To login, visit: umonline.umt.edu.

* Effective 12/31/16, the ALEKS math placement exam will be replaced by Maplesoft math placement exams and will no longer be used for math placement at UM. However, ALEKS scores received prior to 12/31/16 may still be used to satisfy prerequisites. **Alternative pre-requisites include ACT Math Score ≥ 22 or Old SAT Math Section ≥ 520 or New SAT Math Section ≥ 550 or SAT Math Test Score ≥ 27.5 (The new SAT test went into effect March 1, 2016)

<table>
<thead>
<tr>
<th>Placement Exam Score</th>
<th>UM Math Course</th>
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</thead>
<tbody>
<tr>
<td>No pre-requisite course</td>
<td>M065 Pre-Algebra</td>
</tr>
<tr>
<td>No pre-requisite course AND Industrial Technology Majors Only</td>
<td>M111 Technical Math</td>
</tr>
<tr>
<td>ALEKS ≥ 2 or M01 ≥ 9</td>
<td>M090 Introductory Algebra</td>
</tr>
<tr>
<td>ALEKS ≥ 3 or M01 ≥ 16</td>
<td>M095 Intermediate Algebra</td>
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<td></td>
<td>M104 Numbers as News**</td>
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<tr>
<td></td>
<td>M105 Contemporary Math**</td>
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<tr>
<td></td>
<td>M115 Probability &amp; Linear Math**</td>
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<tr>
<td></td>
<td>M118 Math for Music Enthusiasts**</td>
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<tr>
<td>ALEKS ≥ 4 or Consent of Instructor</td>
<td>M122 College Trigonometry</td>
</tr>
<tr>
<td>ALEKS ≥ 4 or M02 ≥ 14</td>
<td>M121 College Algebra</td>
</tr>
<tr>
<td></td>
<td>M132 Numbers &amp; Ops for K-8 Teachers</td>
</tr>
<tr>
<td>ALEKS ≥ 4 or M02 ≥ 17</td>
<td>M151 Pre-Calculus</td>
</tr>
<tr>
<td>ALEKS ≥ 5 or M02 ≥ 19 or M03 ≥ 10</td>
<td>M162 Applied Calculus</td>
</tr>
<tr>
<td>ALEKS ≥ 5 or M03 ≥ 15</td>
<td>M171 Calculus I</td>
</tr>
</tbody>
</table>
UM Math Course Sequence Diagram
Updated: November 2016

Note: A solid-line arrow (→) presumes a grade of C- or better in prior course and a dashed-line arrow (→→) presumes grade of B- or better in prior course.

M151 Pre-Calculus
3 credits
ALEKS* ≥ 4 or M02 ≥ 17

M171 Calculus I
4 credits
ALEKS = 5 or M02 ≥ 19
or M03 ≥ 10

M122 College Trig**
3 credits
ALEKS* ≥ 4

M121 College Algebra
4 credits
ALEKS ≥ 4 or M02 ≥ 14

M162 Applied Calculus
4 credits
ALEKS = 5 or M02 ≥ 19
or M03 ≥ 10

M132 Numbers & Ops for K-8 Teachers
3 credits
ALEKS ≥ 4 or M02 ≥ 14
Elementary Education Majors

M115 Probability & Linear Math
3 credits
ALEKS ≥ 3 or M01 ≥ 16 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
Elementary Education Majors

M105 Contemporary Math
3 credits
ALEKS ≥ 3 or M01 ≥ 16 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
Elementary Education Majors

M104 Numbers as News
3 credits
ALEKS ≥ 3 or M01 ≥ 16 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
Elementary Education Majors

M118 Math for Music Enthusiasts
3 credits
ALEKS ≥ 3 or M01 ≥ 16 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
Elementary Education Majors

Placement Test Codes:
- M01 = Maplesoft Arithmetic Test
- M02 = Maplesoft Algebra Test
- M03 = Maplesoft Calculus Test
- ALEKS = ALEKS Placement Test
- A02 = ACT Math Section
- S02 = Old SAT Math Section
- S12 = New SAT Math Section
- S15 = SAT Math Test