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 versions of the exam: Arithmetic (M01), Algebra (M02), and Pre-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>
</tr>
</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 ≥ 19</td>
<td>M095 Intermediate Algebra</td>
</tr>
<tr>
<td>ALEKS ≥ 4 or Consent of Instructor</td>
<td>M122 College Trigonometry</td>
</tr>
<tr>
<td>ALEKS ≥ 4 or M02 ≥ 12</td>
<td>M121 College Algebra</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>
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.

**UM Math Course Sequence Diagram**

*Updated: November 2016*

**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

**M065 Pre-Algebra**
- 3 credits
- No pre-requisite

**M090 Intro Algebra**
- 3 credits
- ALEKS ≥ 2 or M01 ≥ 9

**M095 Intermediate Algebra**
- 3 credits
- ALEKS ≥ 3 or M01 ≥ 19

**M111 Technical Math**
- 3 credits
- No prerequisite
- Majors in Industrial Technology

**M115 Probability & Linear Math**
- 3 credits
- ALEKS ≥ 3 or M01 ≥ 19 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
- Majors requiring Probability or Statistics

**M118 Math for Math Enthusiasts**
- 3 credits
- ALEKS ≥ 3 or M01 ≥ 19 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
- Music Majors or Music Enthusiasts

**M104 Numbers as News**
- 3 credits
- ALEKS ≥ 3 or M01 ≥ 19 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
- Journalism Majors

**M105 Contemporary Math**
- ALEKS ≥ 3 or M01 ≥ 19 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
- Majors without a specific Math requirement

**M121 College Algebra**
- 3 credits
- ALEKS ≥ 4 or M02 ≥ 12

**M122 College Trig**
- 3 credits
- ALEKS ≥ 4

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

**M171 Calculus I**
- 4 credits
- ALEKS = 5 or M02 ≥ 17

**M172 Calculus II**
- 4 credits
- ALEKS = 5 or M02 ≥ 17 or M03 ≥ 10

**M132 Numbers & Ops for K-8 Teachers**
- 3 credits
- ALEKS ≥ 4 or M02 ≥ 12
- Elementary Education Majors

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

**M065 Pre-Algebra**
- 3 credits
- No pre-requisite

**M090 Intro Algebra**
- 3 credits
- ALEKS ≥ 2 or M01 ≥ 9

**M095 Intermediate Algebra**
- 3 credits
- ALEKS ≥ 3 or M01 ≥ 19

**M111 Technical Math**
- 3 credits
- No prerequisite
- Majors in Industrial Technology

**M115 Probability & Linear Math**
- 3 credits
- ALEKS ≥ 3 or M01 ≥ 19 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
- Majors requiring Probability or Statistics

**M118 Math for Math Enthusiasts**
- 3 credits
- ALEKS ≥ 3 or M01 ≥ 19 or A02 ≥ 22 or S02 ≥ 520 or S12 ≥ 550 or S15 ≥ 27.5
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- ALEKS* ≥ 4 or M02 ≥ 17

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- ALEKS = 5 or M02 ≥ 17

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- ALEKS = 5 or M02 ≥ 17 or M03 ≥ 10

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

**M111 Technical Math**
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- No prerequisite
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