

## MATHEMATICS SKILLS\*

Course Placement	ACT Math	SAT Math	Next-Gen Accuplacer (QAS)	Next-Gen Accuplacer (AAF)	HiSET (High School Equivalency)	Alternative Measure
<b>MTH010</b> Fundamentals of Math	0-17	200-480	200-229		0-14	See options on pages 2 & 3
<b>MTH015</b> Fund. of Technical Mathematics	0-21	200-530	200-229		0-14	See options on pages 2 & 3
<b>BOA152</b> Business Math/Electronic Calc. <b>MTH042</b> Quantitative Reasoning Coreq. <b>MTH060</b> Elementary Statistics Coreq. <b>MTH080</b> Technical Mathematics Coreq. <b>MTH095</b> Transitional Algebra	18-21	490-530	230-254		15+	See options on pages 2 & 3
<b>MTH142</b> Quantitative Reasoning <b>MTH160</b> Elementary Statistics	22-24	540-560	255-300			See options on pages 2 & 3
<b>MTH130</b> Technical Mathematics <b>MTH140</b> Precalculus Algebra <b>MTH150</b> Precalculus	22-24	540-560		230-262		See options on pages 2 & 3
<b>MTH145</b> Precalculus Trigonometry <b>MTH165</b> Finite Mathematics <b>MTH190</b> Calculus for Business & Life Sciences	25-26	540-560		263-275		See options on pages 2 & 3
<b>MTH201</b> Analytic Geometry & Calculus I	27+	570+		276+		See options on pages 2 & 3

## WRITING SKILLS\*

Course Placement	ACT English	SAT Evidence- Based Reading and Writing	Next-Gen Accuplacer Writing	HiSET (High School Equivalency)	Alternative Measure
<b>LAL053</b> Academic Literacy	0-11	200-310	200-236	0-14	Writing Appeal Denied
<b>LAL022</b> Fundamentals of Writing	0-17	200-310	200-236	0-14	Writing Appeal Denied
<b>LAL090</b> Composition I Corequisite	12-17	280-310	237-249	0-14	
<b>LAL101</b> Composition I <b>IND120</b> Technical Report Writing <b>BUS150</b> Business Communication	18+	320+	250+	15+	Writing Appeal Granted

## READING SKILLS\*

Course Placement	ACT Reading	SAT Evidence- Based Reading and Writing	Next-Gen Accuplacer Reading	HiSET (High School Equivalency)
<b>LAL053</b> Academic Literacy	0-11	200-310	200-236	0-14
<b>LAL031</b> Fundamentals of Critical Reading	0-17	200-310	200-236	0-14
<b>LAL090</b> Composition I Corequisite	12-17	280-310	237-249	0-14
<b>LAL101</b> Composition I <b>IND120</b> Tech Report Writing <b>BUS150</b> Business Communication	18+	320+	250+	15+

\*Please refer to pages 2-3 for additional math and English placement information.

## Math Courses & Placement Options

If a student does not place directly into one of the required courses above, below are the optional, Math Pathways based on placement scores or math alternative placement options:

<p><b><u>MTH140 Precalculus Algebra:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH095 → MTH140</li> <li>2. MTH095 → MTH140</li> </ol>	<p><b><u>MTH160: Elementary Statistics:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH060 with MTH160</li> <li>2. MTH010 → MTH095 → MTH160</li> <li>3. MTH095 → MTH160</li> <li>4. MTH142 → MTH160</li> </ol>
<p><b><u>MTH142: Quantitative Reasoning:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH042 with MTH142</li> <li>2. MTH010 → MTH095 → MTH142</li> <li>3. MTH095 → MTH142</li> <li>4. MTH160 → MTH142</li> </ol>	<p><b><u>MTH165: Finite Mathematics:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH095 → MTH140 → MTH165</li> <li>2. MTH010 → MTH095 → MTH150 → MTH165</li> <li>3. MTH095 → MTH140 → MTH165</li> <li>4. MTH095 → MTH150 → MTH165</li> </ol>
<p><b><u>MTH145: Precalculus Trigonometry:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH095 → MTH140 → MTH165</li> <li>2. MTH095 → MTH140 → MTH165</li> <li>3. MTH140 → MTH165</li> </ol>	<p><b><u>MTH190: Calculus for Business &amp; Life Sciences:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH095 → MTH140 → MTH190</li> <li>2. MTH010 → MTH095 → MTH150 → MTH190</li> <li>3. MTH095 → MTH140 → MTH190</li> <li>4. MTH095 → MTH150 → MTH190</li> <li>5. MTH140 → MTH190</li> <li>6. MTH150 → MTH190</li> </ol>
<p><b><u>MTH150: Precalculus:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH095 → MTH150</li> <li>2. MTH095 → MTH150</li> </ol>	<p><b><u>MTH201: Calculus:</u></b></p> <ol style="list-style-type: none"> <li>1. MTH010 → MTH095 → MTH140 → MTH145 → MTH201</li> <li>2. MTH010 → MTH095 → MTH150 → MTH201</li> <li>3. MTH095 → MTH140 → MTH145 → MTH201</li> <li>4. MTH095 → MTH150 → MTH201</li> <li>5. MTH140 → MTH145 → MTH201</li> <li>6. MTH150 → MTH201</li> </ol>

### **Math Multiple Measure Alternative – (MMMA):**

Students who test into a lower level math course may be placed in MTH140 if they meet the following conditions:

1. Must have graduated from high school or completed the HiSET within 3 years from time of enrollment, or be currently enrolled as a Dual Credit/Dual Enrolled student, **AND**;
2. Must have a high school GPA of 3.0 or higher, **AND**;
3. Must have a college GPA of 2.0 or higher (if there are college credits), **AND**;
4. To enroll in MTH142 Quantitative Reasoning or MTH160 Elementary Statistics:
  - Math ACT score of 20-21 **OR**
  - Next-Gen Accuplacer QAS score of 230-254 **OR**
  - Math SAT score of 520-530.
5. To enroll in MTH140 Precalculus Algebra or MTH150 Precalculus:
  - Math ACT score of 20-21 **OR**
  - Next-Gen Accuplacer AAF score of 225-229 **OR**
  - Math SAT score of 520-530.

### **Math Competency Testing – (MECA):**

Students may opt to take a competency exam to attempt a higher math placement. An advisor will schedule the student by enrolling them in the Canvas MECA course. The tests described below are remotely proctored with 2 hours allotted for completion of each test. Student will need access to LockDown Browser and a webcam to complete the test. Results will be communicated to the student by MACC Student Affairs. There is no charge for the MECA.

If a student passes a MECA exam, they MAY take the next higher MECA exam. The student must start with the MECA which fits with their ACT or Accuplacer placement, but with consecutive passing results could take subsequent MECA exams and ultimately be placed in MTH140, MTH142, MTH150, or MTH160. **Each MECA exam may only be taken once.**

### High School GPA Placement Option:

HS GPA (Unweighted 4.0 scale)	HS Math class required on student transcript	MACC Math Placement
2.19 or below	NA	MTH010
2.2 – 2.99	NA	MTH042, MTH060, MTH095
3.0 or higher	NA	MTH140, MTH150, MTH160, MTH142
2.6 – 3.1	Calculus ( <i>any grade</i> ) <u>or</u> Precalc Algebra* <u>or</u> Precalculus ( <i>C or higher</i> )	MTH190
3.0 or higher	Precalc Algebra* <u>or</u> Precalculus ( <i>any grade</i> )	MTH145
3.2 or higher	Calculus ( <i>any grade</i> ) <u>or</u> Trigonometry <u>or</u> Precalculus ( <i>C or higher</i> )	MTH201

### English Courses & Placement Options

If a student does not place directly into LAL101: Composition I, below are the optional, English Pathways based on placement scores or English alternative placement options:

1. LAL022 and/or LAL031 → LAL101
2. LAL053 → LAL101
3. LAL090 with LAL101

### Writing Appeal:

Students may opt for a **one-time writing appeal** to demonstrate the writing (but not reading) skills necessary for LAL101 or equivalent. An advisor will schedule the student by enrolling them in the Canvas writing appeal course. The appeal is a 90-minute timed writing assignment, with a topic selected from a predefined series of options. If the appeal is granted, the student is deemed to have satisfied the minimum writing requirement for LAL101 or equivalent. Results will be communicated to the student by MACC Student Affairs. There is no charge for the writing appeal.

### Reading Multiple Measure Alternative (READ):

The measure will be for students having writing scores that place them into LAL101, but low reading placement scores. Students eligible for this pilot include those who have met the following criteria:

- Graduated with an A+ designation on their high school transcript

Or 2 of the 4 following measures:

- Earned a high school GPA of at least 2.5
- No grade lower than a C- in high school
- 95% or higher attendance rate during senior year of high school
- Letter of recommendation from an advisor or supervisor\*

*\*Provide a letter of recommendation from the advisor of an extracurricular activity or organization in which a significant leadership role was held. This letter should address achievements and skills as a leader of that group and how they translate to college readiness, especially in motivation and determination to succeed. Students who have been out of high school for a year or more may substitute a letter from their employer/supervisor addressing their achievements and leadership skills and how they translate to college readiness, especially in motivation and determination to succeed.*

### High School GPA Placement Option:

HS GPA (Unweighted 4.0 scale)	MACC English Placement
2.50 – 3.24	LAL101 w/ LAL090
3.25 or higher <b>and</b> four years of English w/ no grades lower than a C-	LAL101