# ENGLISH AND MATH PLACEMENT GUIDELINES
(R Revised March 13, 2020)

## MATHEMATICS SKILLS*

<table>
<thead>
<tr>
<th>Course Placement</th>
<th>ACT Math</th>
<th>SAT Math</th>
<th>Next-Gen Accuplacer (QAS)</th>
<th>Next-Gen Accuplacer (AAF)</th>
<th>Alternative Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH010 Fundamentals of Math</td>
<td>0-17</td>
<td>200-480</td>
<td>200-229</td>
<td></td>
<td>See MECA options on page 4</td>
</tr>
<tr>
<td>MTH015 Fund. of Technical Mathematics</td>
<td>0-21</td>
<td>200-530</td>
<td>200-229</td>
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<tr>
<td>BOA152 Business Math/Electronic Calc.</td>
<td>18-21</td>
<td>490-530</td>
<td>230-254</td>
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<td>See MECA options on page 4</td>
</tr>
<tr>
<td>MTH042 Quantitative Reasoning Coreq.</td>
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<tr>
<td>MTH060 Elementary Statistics Coreq.</td>
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<tr>
<td>MTH080 Technical Mathematics Coreq.</td>
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<tr>
<td>MTH095 Transitional Algebra</td>
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<tr>
<td>MTH142 Quantitative Reasoning</td>
<td>22-24</td>
<td>540-560</td>
<td>255-300</td>
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<td>See MECA options on page 4</td>
</tr>
<tr>
<td>MTH160 Elementary Statistics</td>
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<tr>
<td>MTH130 Technical Mathematics</td>
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<tr>
<td>MTH140 Precalculus Algebra</td>
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<td>MTH150 Precalculus</td>
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<tr>
<td>MTH145 Precalculus Trigonometry</td>
<td>25-26</td>
<td>540-560</td>
<td>263-275</td>
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<tr>
<td>MTH165 Finite Mathematics</td>
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<tr>
<td>MTH190 Calculus for Business &amp; Life Sciences</td>
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<tr>
<td>MTH201 Analytic Geometry &amp; Calculus I</td>
<td>27+</td>
<td>570+</td>
<td>276+</td>
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## WRITING SKILLS*

<table>
<thead>
<tr>
<th>Course Placement</th>
<th>ACT English</th>
<th>SAT Evidence- Based Reading and Writing</th>
<th>Next-Gen Accuplacer Writing</th>
<th>Alternative Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAL053 Academic Literacy</td>
<td>0-11</td>
<td>200-310</td>
<td>200-236</td>
<td>Writing Appeal Denied</td>
</tr>
<tr>
<td>LAL022 Fundamentals of Writing</td>
<td>0-17</td>
<td>200-310</td>
<td>200-236</td>
<td>Writing Appeal Denied</td>
</tr>
<tr>
<td>LAL090 Composition I Corequisite</td>
<td>12-17</td>
<td>280-310</td>
<td>237-249</td>
<td></td>
</tr>
<tr>
<td>LAL101 Composition I</td>
<td>18+</td>
<td>320+</td>
<td>250+</td>
<td>Writing Appeal Granted</td>
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<tr>
<td>IND120 Technical Report Writing</td>
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<td></td>
</tr>
<tr>
<td>BUS150 Business Communication</td>
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## READING SKILLS*

<table>
<thead>
<tr>
<th>Course Placement</th>
<th>ACT Reading</th>
<th>SAT Evidence- Based Reading and Writing</th>
<th>Next-Gen Accuplacer Reading</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAL053 Academic Literacy</td>
<td>0-11</td>
<td>200-310</td>
<td>200-236</td>
</tr>
<tr>
<td>LAL031 Fundamentals of Critical Reading</td>
<td>0-17</td>
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<td>200-236</td>
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<tr>
<td>LAL090 Composition I Corequisite</td>
<td>12-17</td>
<td>280-310</td>
<td>237-249</td>
</tr>
<tr>
<td>LAL101 Composition I</td>
<td>18+</td>
<td>320+</td>
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</tr>
<tr>
<td>IND120 Tech Report Writing</td>
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<td>BUS150 Business Communication</td>
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</tbody>
</table>

*Please refer to pages 2-5 for additional math and English placement information.*

3/13/20
Math Advising

- Students must receive a grade of C or higher in any course in the math sequence before they may enroll in the next higher course.

- MTH010 - 70% mastery (which is a grade of “C”) will be necessary for satisfactory completion of the course. A grade of less than 70% will result in the student being required to repeat the course.

- MTH042/142 - How MTH042 and MTH142 are linked:
  - MTH042 Quantitative Reasoning Corequisite is a pass/fail course where 70% will be considered as a passing grade.
  - Students must remain enrolled in both MTH042 and MTH142 throughout the semester.
  - If a student drops MTH142 Quantitative Reasoning, the student will be dropped from MTH042 Quantitative Reasoning Corequisite.
  - If a student drops MTH042 Quantitative Reasoning Corequisite, the student will be dropped from MTH142 Quantitative Reasoning.
  - If the student passes MTH142 Quantitative Reasoning and fails MTH042 Quantitative Reasoning Corequisite, the student will earn their college math credit and does not need to repeat the MTH042 course.
  - If the student passes MTH042 Quantitative Reasoning Corequisite and fails MTH142 Quantitative Reasoning, the student will not need to repeat MTH042. The student may retake MTH142 Quantitative Reasoning without the corequisite course, MTH042.

- MTH060/160 - How MTH060 and MTH160 are linked:
  - MTH060 Elementary Statistics Corequisite is a pass/fail course where 70% will be considered as a passing grade.
  - Students must remain enrolled in both MTH060 and MTH160 throughout the semester.
  - If the student drops MTH160 Elementary Statistics, the student will be dropped from MTH060 Elementary Statistics Corequisite.
  - If the student drops MTH060 Elementary Statistics Corequisite, the student will be dropped from MTH160 Elementary Statistics.
  - If the student passes MTH160 Elementary Statistics and fails MTH060 Elementary Statistics Corequisite, the student will earn their college math credit and does not need to repeat the MTH060 course.
  - If the student passes MTH060 Elementary Statistics Corequisite and fails MTH160 Elementary Statistics, the student will not need to repeat MTH060. The student may retake MTH160 Elementary Statistics without the corequisite course, MTH060.

- MTH095 - 70% mastery (which is a grade of “C”) will be necessary for satisfactory completion of the course. A grade of less than 70% will result in the student being required to repeat the course.

- The mathematics requirement for the MACC AA degree may be satisfied with MTH140 Precalculus Algebra, MTH142 Quantitative Reasoning, MTH150 Precalculus, MTH160 Elementary Statistics, or MTH201 Calculus I. Other higher-level math courses transferred in by students may be reviewed on a case-by-case basis.

Optional Math Pathways

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:

MTH140 Precalculus Algebra:
1. MTH010 → MTH095 → MTH140
2. MTH095 → MTH140

MTH142: Quantitative Reasoning:
1. MTH010 → MTH042 with MTH142
2. MTH010 → MTH095 → MTH142
3. MTH095 → MTH142
4. MTH160 → MTH142
MTH145: Precalculus Trigonometry:
1. MTH010 → MTH095 → MTH140 → MTH165
2. MTH095 → MTH140 → MTH165
3. MTH140 → MTH165

MTH150: Precalculus:
4. MTH010 → MTH095 → MTH150
5. MTH095 → MTH150

MTH160: Elementary Statistics:
1. MTH010 → MTH060 with MTH160
2. MTH010 → MTH095 → MTH160
3. MTH095 → MTH160
4. MTH142 → MTH160

MTH165: Finite Mathematics:
1. MTH010 → MTH095 → MTH140 → MTH165
2. MTH010 → MTH095 → MTH150 → MTH165
3. MTH095 → MTH140 → MTH165
4. MTH095 → MTH150 → MTH165

MTH190: Calculus for Business & Life Sciences
1. MTH010 → MTH095 → MTH140 → MTH190
2. MTH010 → MTH095 → MTH150 → MTH190
3. MTH095 → MTH140 → MTH190
4. MTH095 → MTH150 → MTH190
5. MTH140 → MTH190
6. MTH150 → MTH190

MTH201: Calculus:
1. MTH010 → MTH095 → MTH140 → MTH145 → MTH201
2. MTH010 → MTH095 → MTH150 → MTH201
3. MTH095 → MTH140 → MTH145 → MTH201
4. MTH095 → MTH150 → MTH201
5. MTH140 → MTH145 → MTH201
6. MTH150 → MTH201

Math Alternative Placement Options

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:
   a) Math ACT score of 20-21 OR
   b) Next-Gen Accuplacer QAS score of 230-254 OR
   c) Math SAT score of 520-530.
5. To enroll in MTH140 Precalculus Algebra or MTH150 Precalculus:
   a) Math ACT score of 20-21 OR
   b) Next-Gen Accuplacer AAF score of 225-229 OR
   c) Math SAT score of 520-530.
Math Competency Testing – (MECA):

Students who place into levels of math below Precalculus Algebra may take a competency exam to attempt a higher math placement. The tests described below are paper and pencil tests with 2 hours allotted for completion of each test. The completed test, including all written work from the student, is submitted to a team of math faculty for evaluation.

Each MECA exam may only be taken once.

1. **MECA010** may be taken by students placed into MTH010. If they achieve a score of 70% or higher, they can enroll in MTH095. Students may use any type of calculator they wish, as long as its only function is that of a calculator. Students may not use a phone, watch, or computer/tablet calculator.

2. **MECA042** may be taken by students placed into MTH042. If they achieve a score of 70% or higher, they can enroll in MTH142. Students may use any type of calculator they wish, as long as its only function is that of a calculator. Students may not use a phone, watch, or computer/tablet calculator.

3. **MECA060** may be taken by students placed into MTH060. If they achieve a score of 70% or higher, they can enroll in MTH160. Students may use any type of calculator they wish, as long as its only function is that of a calculator. Students may not use a phone, watch, or computer/tablet calculator.

4. **MECA095** may be taken by students placed into MTH095 OR passed MECA010 OR achieved a “C” or better in MTH011 or in the MTH016-019 series. If they achieve a score of 70% or higher, they may enroll in MTH140, MTH142, MTH150, or MTH160. Students may use any type of calculator they wish, as long as its only function is that of a calculator. Students may not use a phone, watch, or computer/tablet calculator.

Please note that 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.

English Advising

- **LAL022** - 70% mastery (which is a grade of “C”) will be necessary for satisfactory completion of the course. A grade of less than 70% will result in the student being required to repeat the course.

- **LAL031** - 70% mastery (which is a grade of “C”) will be necessary for satisfactory completion of the course. A grade of less than 70% will result in the student being required to repeat the course.

- **LAL053** - 70% mastery (which is a grade of “C”) will be necessary for satisfactory completion of the course. A grade of less than 70% will result in the student being required to repeat the course.

- **LAL090/101** – How LAL090 and LAL101 are linked:
  - Students must remain enrolled in both LAL090 and LAL101 throughout the semester.
  - If the student drops LAL101 Composition I, the student will be dropped from LAL090 Composition I Corequisite.
  - If the student drops LAL090 Composition I Corequisite, the student will be dropped from LAL101 Composition I.
  - The student cannot just pass LAL090 Composition I Corequisite as a satisfaction of their developmental education requirements. The student must pass the LAL090 Composition I Corequisite in conjunction with passing LAL101 Composition I.

- **LAL102** - Students may enroll in LAL102 Composition II if they earned a grade of “D” or higher in LAL101 Composition I. However, specific MACC programs (e.g. ADN, AADN, OTA) require students to earn or maintain a grade of “C” or higher in LAL101 Composition I.

Optional English Pathways

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
**English Alternative Placement Options**

**Writing Appeal:**

Students may opt for a one-time writing appeal to demonstrate the writing (but not reading) skills necessary for LAL101 or equivalent. Writing appeals can be scheduled by any advisor.

The appeal is a proctored writing assignment, with a topic selected from a predefined series of options. The assignment must be completed within a 60 minute period, and then saved to be electronically submitted for evaluation.

The assignment will be evaluated by up to three English faculty, with results communicated to the student by MACC Student Services. The results will be entered in the test section of the CX walk-in screen coded WRTA as either “granted” or “denied.” If the appeal is granted, the student is deemed to have satisfied the minimum writing requirement for LAL101 or equivalents. Currently, there is no charge for the one-time 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.

**Composition I Corequisite (LAL090) – 3 credit hours:**

This course is an accelerated and integrated version of Fundamentals of Writing and Fundamentals of Critical Reading that is taken simultaneously with Composition I. To qualify for enrollment, a student must meet the following requirements:

a) ACT Writing score of 12 or higher OR ACT Reading score of 12 or higher OR
b) Next-Gen Accuplacer Writing score of 237 or higher OR Next-Gen Accuplacer Reading score of 237 or higher OR
c) SAT English+Reading score of 280.

**Academic Literacy (LAL053) – 3 credit hours:**

This course is an intensive reading and writing skills course whose purpose is to use the connection of reading with writing and writing with reading to prepare students for college-level work in both content areas. To qualify for enrollment, a student must meet the following requirements:

a) ACT Writing score of 11 or lower WITH ACT Reading score of 11 or lower OR
b) Next-Gen Accuplacer Writing score of 236 or lower WITH Next-Gen Accuplacer Reading score of 236 or lower OR
c) SAT English+Reading score of 280.