

## **Math Placement Procedure using Multiple Measures**

New students should be placed into math courses using the following process, under the supervision of a Student Success Coach. If a Student Success Coach is unsure of where to place a student they should email the Mathematics Department Chair for consultation.

**Step 1:** Meet with a Student Success Coach - students should bring transcripts from high school or another college.

**Step 2:** If a student graduated high school within the past three years and their GPA is

2.7 or higher on a 4 point scale OR

3.4 or higher on a 5 point scale

college-level placement is recommended (MAT 100, 102, 105, 120, 141, or 150).

**Step 3:** If a student's HS GPA does not qualify them for college-level placement, the student has taken math classes at another post-secondary institution, or the student wishes to be placed higher or lower than in Step 2 use the options below.

**Option 1:** Morton East or West Transcript

If the student took:

- Algebra 3 during the previous school year and received a C or better in both semesters they should be placed in MAT 100, MAT 102, MAT 105, MAT 120, MAT 141, or MAT 150.
- Quantitative Literacy during the previous school year and received a C or better in both semesters they should be placed in MAT 100, MAT 102, or MAT 141.
- College Algebra/Trigonometry or Statistics check for dual credit and place using Morton College prerequisites.
- Another math class or did not receive dual credit for CAT or Stats check the Morton High School Math Class table for appropriate placement.

**Option 2:** High School Transcript that is not from Morton East or West

- If the student has a portability code place them as follows:
  - TM001 or TR001 - MAT 100, MAT 102, MAT 105, MAT 120, MAT 141, or MAT 150..
  - TM002 or TR002 - MAT 100, MAT 102, MAT 120, or MAT 141.
  - TM003 or TR003 - MAT 100
- If not, attempt to use the Morton High School Math Classes table to place the student.

**Note:** Algebra II is equivalent to Integrated 3.

**Option 3:** AP Test Score

- Any student who receives a 3 or higher on an AP test should be given credit for the equivalent Morton College math course.

**Option 4:** College or University Transcript

- Compare math courses to Morton College offerings for equivalents and place based on prerequisites.

**Step 4:** Use the ACT, SAT, or GED Math Score Table to place students based on ACT, SAT, or GED math scores.

**Step 5:** If no placement can be determined based on Steps 2, 3, or 4 place the student in MAT 080.

**Step 6:** Discuss all possible placements based on Steps 2, 3, 4, and 5 with the student and decide on final placement based on this discussion. This final placement should be based on the student's comfort level with the courses they are eligible to take and their goals.

**Note:** The MAT 105 geometry prerequisite is fulfilled by: Cs or better in high school geometry, Cs or better in all high school math classes, 165 or higher on the Math section of the GED or taking MAT 097.

**Step 7:** If the student feels their final placement based on Steps 2, 3, 4, and 5 is too low, have the student take the placement test and place them using the Placement Test Table. Students placed into MAT 080 or 093 can also be registered for the math boot camp to improve their placement.

**Step 8:** Enter final student placement into Colleague.

**Step 9:** Register the student for the course. Students should be encouraged to take math during their first semester at Morton College. See the Course Registration page for more information on the math course sequence.



**Morton High School Math Classes Placement Table**

<b>High School Math Course</b>	<b>B or higher (2 semesters)</b>	<b>B or higher (1 semester)</b>	<b>C or higher (2 semesters)</b>	<b>C or higher (1 semester)</b>
Integrated 3	102, 105, 120, 141, 150	097	093, 096, 098, or 100	
Pre-Calculus	201		102, 105, 120, 141, 150	097
AP Calculus (Without 3 or higher on AP Test)	202		201	
AP Statistics (Without Dual Credit OR 3 or higher on AP Test)			102, 105, 120, 141, 150	097
College Algebra Trigonometry (Without Dual Credit)	201		102, 105, 120, 141, 150	097
Algebra 3			102, 105, 120, 141, 150	097
Quantitative Literacy			102 or 141	096

**ACT, SAT, and GED Score Placement Table**

<b>Placement</b>	<b>ACT Math Score</b>	<b>SAT Math Score</b>	<b>GED Math Score</b>
MAT 093/096/098/100	17 or 18	450 to 459	145 to 164
MAT 097/102/141	19 or 20	500 to 529	165 or above
MAT 105/120/150	21 to 24	530 to 629	165 or above
MAT 201	25 or above	630 or above	

**Placement Test Placement Table**

<b>Placement</b>	<b>Minimum Accuplacer Score for Placement</b>
MAT 080	Arithmetic score 220 to 249
MAT 093/096/098/100	Arithmetic score 250 or above
MAT 097	Quantitative Reasoning, Algebra, and Statistics score 237 to 249
MAT 102/141	Quantitative Reasoning, Algebra, and Statistics score 250 to 262
MAT 105/120/150	Quantitative Reasoning, Algebra, and Statistics score 263 or above
MAT 110	Advanced Algebra and Functions 250 to 274
MAT 201	Advanced Algebra and Functions 275 or above

## Course Registration

- Students who wish to register for MAT 096, 097, or 098 should be registered for this course prior to registering for MAT 102, 105, 120, or 141.
- Students registered for MAT 096 or 097 must be registered for the corresponding MAT 102, 105, or 120 with the same section code.
- Students registered for MAT 098 can register for any section of MAT 141.
- Students can register for MAT 098 as a prerequisite or a corequisite for MAT 141.
- Students should only be registered for MAT 102 CR or MAT 105 CR if they are also registered for MAT 096 or MAT 097.
- Students pursuing an Associate in Science degree should be encouraged to take MAT 105 (unless they place into MAT 110 or MAT 201) and discouraged from taking MAT 102.
- Students can register for MAT 105 as a prerequisite or corequisite to MAT 110.
- Students who wish to take MAT 201 and place directly into MAT 105 should consider taking MAT 150.

## Math Course Sequences

For students who place below college level.

Semester	AA and AFA	AS and some AAS <sup>1</sup>	Some AAS <sup>2</sup>	AASN to BSN
1st	MAT 080	MAT 080	MAT 080	MAT 080
1st or 2nd	MAT 096/102	MAT 093	MAT 100	MAT 098 or MAT 098/141
1st, 2nd, or 3rd		MAT 097/105		

For students at college level.

Semester	AA and AFA	AS	Some AAS <sup>3</sup>	Some AAS <sup>4</sup>	Some AAS <sup>5</sup>	AASN to BSN
1st	MAT 102	MAT 105	MAT 105	MAT 105	MAT 100	MAT 141
2nd		MAT 110 or MAT 141 or MAT 181 or MAT 224		MAT 181		
3rd		MAT 201				
4th		MAT 202				
5th		MAT 203 or MAT 215				
6th		MAT 203 or MAT 215				

For a more detailed look at the course sequences [click here](#).

---

<sup>1</sup> Accounting, Business Management, Computer Information Systems, Computer Support Specialist, Computer Network Security, Web Design.

<sup>2</sup> Fire Science Technology, HVAC, Welding, CAD, Automotive.

<sup>3</sup> Accounting, Business Management, Computer Support Specialist, Computer Network Security.

<sup>4</sup> Computer Information Systems, Web Design.

<sup>5</sup> Fire Science Technology, HVAC, Welding, CAD, Automotive.

Flow Chart of Morton College Math

