

# Butler Community College

## BCC MATH PLACEMENT CRITERIA BASED ON ACT/SAT SCORES AND HIGH SCHOOL COURSEWORK

If a student has a 21 or higher on the ACT Math or 500 or higher on the SAT Math they should be placed according to the following criteria. Students with a 26 or higher on the ACT may be placed in Calculus I.

### High School Coursework

Algebra I with C or D  
Algebra I with A or B  
Thru Algebra II with C or D  
Thru Algebra II with A or B  
Thru Trig with C or D  
Thru Trig with A or B

### BCC Math Course Placement

Fund. Of Algebra or Int. Algebra w/Review  
Intermediate Algebra  
Int. Algebra or College Algebra w/Review  
College Alg. Or College Alg. w/Review  
College Alg., Trig or Pre-Calc  
Calculus or Calculus with Applications

If the student's ACT Math score is below 21 or SAT Math score is below 500, they should be placed one course below the above criteria. If the student's ACT Math score is 14 or below or their SAT Math score is 330 or below, they should be given the ASSET test and placed accordingly no matter what their high school coursework is.

### ASSET MATH TEST ADMINISTRATION AND PLACEMENT

For those students who take the ASSET Math test, they should be given the following tests and enrolled in the following courses according to their test scores:

If the student has had less than 1 year of high school algebra, they should take the **Numerical Skills Test**.

If the student scores	less than 29	Enroll in Basic Arithmetic through AAC (MA010)
	29-33	Enroll in Fractions and Decimals & Percentages and Basic Algebra Concepts through the AAC (MA 020 and MA 040)
	34-40	Enroll in Pre-Algebra (MA050)
	41-55	Enroll in Fundamentals of Algebra (MA060)

If the student has completed Algebra I, they should take the **Elementary Algebra Test**.

If the student scores	27 or below	Take the Numerical Skills Test
	28-37	Enroll in Fundamentals of Algebra (MA060)
	38-41	Enroll in Fundamentals of Algebra (MA060) or Int Alg w/review (MA120)
	42 or higher	Enroll in Tech Math (MA114), Intro to Stats (MA119), or Int. Alg (MA125)

If the student has completed Algebra II, they should take the **Intermediate Algebra Test**.

If the student scores	23-29	Enroll in Fund of Algebra (MA060) or Int Alg w/Review (MA120)
	30-38	Enroll in Intermediate Algebra (MA125)
	39-44	Enroll in Int. Algebra (MA125) or College Algebra w/Review (MA131)
	45-55	Enroll in College Algebra (MA135)

If the student has had Algebra II, Geometry, and an advanced class (such as Trig or Calc), they should take the **College Algebra Test**.

If the student scores	23-30	Enroll in Intermediate Algebra (MA125) or give the student option of taking Int Algebra test
	31-33	Enroll in College Algebra w/Review (MA131)
	34-43	Enroll in College Algebra (MA135)
	44-49	Enroll in MA135, 140, 145, 148 or 220 depending on student's major
	50-55	Enroll in Calc w/App (MA148) or Calc I (MA151)

**NOTE:** Students who are in a program requiring more than Calculus w/Applications (MA148) should have a strong trig background either from high school or college, before enrolling in Calc & Analytical Geometry (MA151)

## COMPASS MATH TEST ADMINISTRATION AND PLACEMENT

For those students who take the COMPASS Math test, they should be given the following tests and enrolled in the following courses according to their placement domains:

If the student has had less than 1 year of high school algebra, they should take the **Pre-Algebra Test**.

If the student scores	Below 17	Enroll in Basic Arithmetic through AAC (MA010)
	17-23	Enroll in Fractions Decimals & Percentages and Basic Concepts of Algebra through the AAC (MA020 and MA 040)
	24-45	Enroll in Pre-Algebra (MA050)
	46-99	Enroll in Fundamentals of Algebra (MA060) or Business Math/10/Key (BE121)

If the student has completed Algebra I and/or Algebra II, they should take the **Algebra Test**.

If the student scores	28 or below	Enroll in Fundamentals of Algebra (MA060) or Business Math/10/Key (BE121)
	29-36	Tech Math (MA114) or Intro to Statistics (MA119) or Int Alg w/review (MA120)
	37-44	Int. Alg. (MA 125)
	45-56	Enroll in College Algebra w/Review (MA131)
	57 or higher	Enroll in College Algebra (MA135)

If the student has had Algebra II, Geometry, and an advanced class (such as Trig or Calc), they should take the **College Algebra Test**.

If the student scores	16-26	Enroll in Intermediate Algebra (MA125)
	27-35	Enroll in College Algebra w/Review (MA131)
	36-55	Enroll in College Algebra (MA135)
	56-67	Enroll in MA135, 140, 145, 148 or 220 depending on student's major
	68 or higher	Enroll in Calc w/App (MA148) or Calc I (MA151)

**NOTE:** Students who are in a program requiring more than Calculus w/Applications (MA148) should have a strong trig background either from high school or college, before enrolling in Calc & Analytical Geometry (MA151)

## BUTLER COMMUNITY COLLEGE TESTING POLICY

Students who plan to enroll in a math or English course at Butler Community College will be required to take the ASSET placement test *unless they meet one of the criteria below*:

1. The student has successfully completed (C or better), for college credit, the prerequisite to the math or English course they want to take.
2. The student has taken the ASSET test at another college within the last three years and copies of the scores are on file.
3. The Student has taken the ACT or SAT test within the last three years and the scores are on file. If they received a 21 or higher on the Math section of the ACT or a 500 or higher on the Math section of the SAT, they enroll in BCC math courses based on their high school coursework.

The ASSET test will be administered to the following students:

1. Any student who has never taken the ACT or SAT
2. Any student who has not taken the ACT or SAT within the last three years.
3. Any student who does not have the ACT, SAT or ASSET scores on file.
4. Any student who has taken the ACT or SAT, but does not want to enroll based on the placement criteria.

If, after taking the ASSET, a student is not satisfied with their placement, those wanting English Composition I should be given the option of doing a Writing Sample.

The ONLY reasons for retesting:

1. Something caused the test results to be unrepresentative of the examinee's actual knowledge and skills. Causes warranting retesting are to be determined by the Dir. Of Enrollment Mgt. Or Site Directors of Advising.
2. There is reason to believe that a meaningful change (either an increase or a decrease) is likely to have occurred in the examinee's level of knowledge and skill in the areas assessed by ASSET.

If it is determined that a student should be allowed to retest, the following applies:

1. If the retest occurs before a full 30 days have passed since the previous testing, an alternate form must be used for the retest.
2. If a minimum of 30 days have passed since the administration of a particular form, the student may be retested using the same form.
3. No form may be administered to a given individual more than twice in a 90 day period.

There **MUST** be strict adherence to the guidelines for which math tests students take. Students should not be allowed to take a higher level math test than prescribed on our placement sheet. They **DO** have the option to take a lower level test if they choose. Students who come in and request to take a placement test to "make them eligible for College Algebra", or any other math class, should be told that we do not test based on what they want to get into, but on what their math background is. Those guidelines are found under the heading **ASSET MATH TEST ADMINISTRATION AND PLACEMENT** on the Math Placement Criteria page. Placement in courses other than those that students qualify for **MUST** be approved by a Dean in either the English or Math Divisions and notations of such should be put in the student's notepad. If a student wishes to skip a course sequence (i.e. jump from Pre-Algebra to Intermediate Algebra), the answer is no! If they continue to challenge you again please refer them to the appropriate Dean.

Advisors with concerns about appropriate placement of a student should first contact their Advising Site Director for assistance in the placement process.