

**ACC Mathematics Placement
July 2011**

Students entering the ACC math program:

Most students must take an assessment test in mathematics, including some students who are not mandated to satisfy the TSI. (ACC's assessment test: COMPASS or ASSET)

A student who needs to take a developmental math course must take an assessment test for placement.		
College-level math classes		
An entering student must make COMPASS Algebra 39+ to enroll in MATH 1332 MATH 1333 MATH 1342	An entering student must make COMPASS Algebra 69+ to enroll in MATH 1314 MATH 1324	An entering student must make COMPASS Algebra 69+ and have the course prerequisite to enroll in any other college-level MATH course.

The following entering students are **not** required to take an assessment test in mathematics.

1. Students who have met the TSI math requirement (successfully completed or exempt for any reason) **AND** have credit for a college-level math course at another college. These students are eligible for any MATH course for which they meet the course prerequisite.
2. Students who are exempt from TSI requirement based on prior college degree or TAAS or TAKS test
AND who have credit for high school Algebra II
AND who want to enroll in one of MATH 1332, MATH 1333, or MATH 1342.
These students have met the prerequisite for these three courses and may enroll in one of them without further required assessment.
3. Students who successfully completed their TSI requirements with a score on COMPASS, THEA, SAT, ACT, MAPS, or CPT / ACCUPLACER and whose score on that test makes them eligible to take their desired math course.

Note that students exempt from TSI requirements for other reasons and who wish to take mathematics courses **are required** to take a math assessment test.

Students continuing in the ACC math program:

After initial placement, students must follow the sequence of courses indicated by ACC's course prerequisites rather than using their high school courses as prerequisites, except as indicated below.

1. Successfully completing any TSI state-approved test: A student who satisfies the TSI requirement by successfully completing any of the approved tests is eligible for MATH 1332, MATH 1333, and MATH 1342, regardless of previous prerequisite courses. Successfully completing any of the TSI state-approved tests after beginning the ACC math sequence does not satisfy the prerequisite for any other mathematics courses.
2. Retesting on TSI state-approved tests or local tests to attempt to place into the calculus sequence or the courses preparatory to calculus: If a math advisor or the student's math instructor thinks that the student may have been placed inappropriately, they may authorize retesting to help them determine more appropriate placement. Placement is not automatic on the results of this retest. Placement is at the discretion of the math advisor who will use all the appropriate available information.

**Math Placement Chart for students entering the ACC math program
COMPASS, CPT/ACCUPLACER, and ASSET
July 2011**

Entering students may enroll in the courses listed below based on the indicated assessment scores alone, without checking course prerequisites.

Students who are slightly below the listed cut-off scores for levels 6 and 7 may be placed into courses at that level according to the guidelines on the "Decision Zones" document.

For all MATH courses except those listed below, an entering student must have a COMPASS score of 69 or above (or equivalent) AS WELL AS the course prerequisite.

	T-COM TSI complete = 39 Alg		T-CPT / ACCUPLACER ^a TSI complete = 63 Elem Alg		T-ASSET TSI complete = 38 Elem Alg			
	COMPASS		CPT		ASSET		Course Placement	
Level	Algebra	Other tests	Elem Alg ^a	Other tests	Elem Alg	Other tests	Most math-intensive programs require courses from the right-hand column below.	
2	0-25	and Prealg 0-59	0-38		23-34	and Num Skl 23-43	MATD 0330	
3		and Prealg 60-100				and Num Skl 44-55	MATD 0365	MATD 0370
3	26-38		39-62		35-37		MATH 1332, 1333, or 1342 ^d	MATD 0370 ^b
5	39-45		63-69		38-44		MATH 1332, 1333, or 1342 ^d	MATD 0390
6	46-68		70-89		45-55 ^c		MATH 1332, 1333, or 1342 ^d	MATH 1314 or 1324
7	69-78		90-120	Coll Math ^{a,e} 40-49		Int Alg ^e 43-55	MATH 1332, 1333, or 1342 ^d	MATH 1316 or 1314 or 1324
8	79-100			Coll Math ^a 50-120		Coll Alg ^{a,e} 41-55	MATH 1332, 1333, or 1342 ^d	MATH 1316 or 1314 or 1324

^aACC does not offer these tests. Student should take COMPASS math test. Contact an Assessment Office.

^b A student who places at the high end of this range may also be eligible for the fast track MATD 0370/0290 paired course, at the instructor's discretion.

^cStudents Scoring in the 45 - 55 range on ASSET Elementary Algebra that wish to take MATH 1314 or 1324 need to re-test in TCOMP or take the ASSET Intermediate Algebra test.

^d A student scoring over 39 on COMPASS places into MATH 1332, 1333, or 1342, but may take MATD 0385 to better prepare for one of these three classes.

^e If student score falls below this range, use next lower test taken for placement.

See next page for entry-level math placement information based on the THEA, SAT, ACT, and MAPS.

Additional information is available from the mathematics web page. Follow the link "Advising" from <http://www.austincc.edu/math/>, or go directly to <http://www.austincc.edu/mthdept2/advising/>

**Math Placement for students entering the ACC math program
THEA, SAT, ACT, MAPS ****

Approved by the Assessment and Advising Committee in **May 2009**

The following entering students are not required to take an assessment test in mathematics.

1. Students who have met the TSI math requirement (Complete or Exempt) for any reason AND have credit for a college-level math course based on evaluated credit from an accredited private or out-of-state institution of higher education are eligible for any MATH course for which they meet the course prerequisite.
2. Students who have met the TSI Math requirement and have credit for high school Algebra II are eligible to enroll in Math 1332, Math 1333, and Math 1342.

Level	THEA	SAT I	ACT	
*	0-229	0-499	0-18	Take COMPASS for placement
6	230 - 269	500 - 569	19 - 20	May enroll in MATD 0390, MATH 1332, 1333, or 1342, regardless of listed prerequisite. Must take COMPASS for placement into other math courses.
7	270 + and high school Algebra II	570+ and high school Algebra II	21+ and high school Algebra II	May enroll in MATH 1314, 1324, 1332, 1333, or 1342 or any other other MATH course for which they have prerequisite course: such as 1316, 2412, 2413, 1425, etc.

Level	MAPS	
*	0-612	Take COMPASS for placement
6	613+	May enroll in MATD 0390, MATH 1332, 1333, or 1342 regardless of listed prerequisite. Must take the COMPASS test for placement into any other mathematics course.

** These tests cover general mathematical skill, not specific algebra skills. Students with good general knowledge may exceed these cut-off scores and still need substantial review work on algebra skills to succeed in algebra courses. Students with good algebra skills may not score as high as some of these cut-off scores but still be ready for algebra courses. **For more accurate assessment of current algebra skills, we recommend the COMPASS.**

Additional information is available from the mathematics web page. Follow the link "Advising" from <http://www.austin.cc.edu/math/>

Or go directly to <http://www.austincc.edu/mthdept2/advising>

DECISION ZONES:

Math Placement for entering students based on other factors in addition to Assessment Scores

Barely “successfully completed TSI”:

COMPASS	CPT	ASSET
Alg 39-44	El Alg 63-69	El Alg 38-44

Eligible for MATH 1332, 1333, or 1342.

Need MATH 1324 or MATH 1314 or other math course (thus needs Intermediate Algebra, MATD 0390, to prepare):

* If the student has successfully completed a full semester of high school Elementary Analysis, Precalculus, Trigonometry, Analytic Geometry, or equivalent courses, then enroll in Intermediate Algebra, MATD 0390.

* Otherwise he/she should enroll in Elementary Algebra, MATD 0370, to prepare for Intermediate Algebra, MATD 0390.

Just below “College Algebra” score on THEA or TSI state-approved test:

Eligible for
1333, or 1342.
Need MATH 1324
other math course:

COMPASS	CPT	ASSET
Alg 59-68	El Alg 80-89 or Coll Math 35-39	Int Alg 39-42

MATH 1332,
or MATH 1314 or

* If the student has successfully completed a full semester of high school Elementary Analysis, Precalculus, Trigonometry, Analytic Geometry, or equivalent courses, then the cut-off for starting in MATH 1324 or 1314 is the lowest score in this range (COMPASS 59+, CPT 80+ or 35+, ASSET 39+.)

* If the student has successfully completed Algebra II, the cut-off score for enrolling in 1324 or 1314 is in the top half of this range, depending upon a number of factors.

If the student answers "Yes" to at least four of these questions, then the cut-off score is middle of this range (COMPASS 63+, CPT 84+ or 37+, ASSET 40+.)

If the student only answers "Yes" to two or three of these questions, they may be placed in 1324 or 1314 if they are in approximately the top ¾ of this range (COMPASS 66+, CPT 87+ or 38, ASSET 41.)

1. *Do you have extra study time available this semester in case you need more review than you thought? (More than the usual three hours for every hour in class that is necessary for most math courses.) Your advisor will review with you the number of hours per week you're working, how many courses you're planning to take, and any other time commitments.*
2. *Did you complete Algebra II or Intermediate Algebra within the last 18 months?*
3. *Did you make an A or B in Algebra II or Intermediate Algebra?*
4. *Do you feel confident of your mathematical skills and your test-taking skills?*
5. *Do you plan to enroll in an ACC mathematics lab to accompany your course?*
6. *Do you have someone available to help you with your questions about your math course several times each week?*
7. *Have you worked through the problems on the Prerequisite Review Sheet for this course?*

* If the student hasn't successfully completed high school Algebra II then he/she should enroll in Intermediate Algebra, MATD 0390, to satisfy the prerequisite for MATH 1324 or MATH 1314.