

Math

IMPORTANT NOTICE: *If your placement test was taken prior to Fall 2009 and you have not completed/passed any Math classes in your required sequence, then you should retest on the Math portion of the new TSI Assessment.*

Students must also have continued enrollment and participation in required preparatory Math courses until they have completed their sequence of courses and earned "College Ready" status in Math. Students may retest on the Math portion of the TSI at any time, free of charge, in order to attempt to improve their placement level or earn "College Ready" status.

Score Range	Course Placement	Which Math class is right for me?
<p>TSI Assessment: 310-335 with ABE of 1-4 THEA: 0-199 Compass: 0-43P or 0-25A Accuplacer: 0-54 Arithmetic</p>	<input type="checkbox"/> NCBM 0200/MATH 0305	<p style="text-align: center;">➤ MATH1314: COLLEGE ALGEBRA</p> <p>This class is required for some majors, including the AAT (EC-6) major at NCTC; <u>it is a prerequisite for further study in mathematics and some sciences</u> (ex. BIOL 1406, CHEM 1411). Course description: Equations and inequalities; functions and graphs; polynomial functions; exponential and logarithmic functions; systems of equations; sequences and series; applications.</p>
<p>TSI Assessment: 310-335 with ABE of 5-6 OR 336-344 THEA: 200-229 Compass: 44-100P or 26-38A Accuplacer: 59 or higher Arithmetic or 62 or less Elementary Algebra</p>	<input type="checkbox"/> MATH 0305 OR <input type="checkbox"/> MATH 0305/MATH 0310 (Integrated or Fast Track) OR <input type="checkbox"/> MATH 0305/MATH 1342 (Non-Algebraic Pathway*)	<p style="text-align: center;">➤ MATH1324: MATHEMATICS FOR BUSINESS ANALYSIS</p> <p>This class is required for a four-year degree in <u>Business Administration or Accounting</u>. It is a prerequisite for MATH 1325: Business Calculus. Course description: Equations and inequalities; functions and graphs; exponential and logarithmic functions; matrix algebra; linear programming; sets and probability; mathematics of finance; applications.</p>
<p>TSI Assessment: 345-349 THEA: 230-269 Compass: 39-59A Accuplacer: 63 on Elem. Alg.</p> <p><i>Students with these scores are TSI liable in Math, and therefore a College Prep. course (MATH, READ, or ENGL) is required for enrollment at NCTC.</i></p>	<input type="checkbox"/> MATH 0310 OR <input type="checkbox"/> MATH 0310/MATH 1314 (Integrated or Fast Track) OR <input type="checkbox"/> NCBM with MATH 1332 or 1342 (Non-Algebraic Pathway*)	<p style="text-align: center;">➤ MATH1332: MATH FOR LIBERAL ARTS</p> <p>This class is appropriate for students <u>that need only one math credit and do not plan to pursue additional math courses</u>. Course description: Sets; logic; number systems; number theory; functions; measurement; geometric concepts; introductory probability and statistics.</p>
<p>TSI Assessment: 350 or higher THEA: 270 or higher Compass: 60A or higher Accuplacer: 64 or higher on College Algebra</p>	<input type="checkbox"/> College Ready and eligible for MATH 1314, 1324, 1332, or 1342 <i>Can take Accuplacer College Math Test (CMT) for possible higher placement!</i>	<p style="text-align: center;">➤ MATH1342: ELEMENTARY STATISTICS</p> <p>This class is required for some <u>healthcare and social science majors</u>. Course description: Presentation and interpretation of data; sampling; analysis of variance; probability; binomial and normal distributions; estimation and testing of hypotheses; correlation and regression; the use of statistical software.</p>
<p>Accuplacer CMT: 80 or higher OR SAT Math: 640 or higher OR ACT Math: 28 or higher</p>	<input type="checkbox"/> MATH 1316, 1325, or 2412 <i>(also eligible for CHEM 1411)</i>	<p style="text-align: center;">➤ MATH2412: PRECALCULUS</p> <p>This class is designed for <u>science and engineering majors</u> in preparation of studying calculus. It is basically a combination of College Algebra AND Trigonometry, so it moves at a brisk pace. Course description: Polynomial and rational functions; exponential and logarithmic functions; trigonometric functions; graphs and introductory analytic geometry; applications.</p>
<p>Accuplacer CMT: 96 or higher</p>	<input type="checkbox"/> MATH 2413, PHYS 1401, or PHYS 2425 (PHYS 2425 requires co-enrollment in MATH 2413)	

***Students who do not score "College Ready" for Math and proceed through a Non-Algebraic Pathway will be required to take MATH 0310 or retest and pass the Math portion of the TSI should they decide to take College Algebra or another Algebraic Pathway course.**