

Mathematics Course Matrix 2010

Course Title	Appropriate Scheduling Criteria
Math 6	All
Math 7	All
Math 8	All
Algebra 1 - 8 ^m Grade	<p>At least 90th percentile NPR (National Percentile Ranking) on all mathematical areas of the ITBS</p> <p>Consistent A's and B's in all math classes for the past 3 years</p> <p>At least a raw score of 40 or higher on the Iowa Algebra Aptitude Test (IAAT)</p> <p>Teacher Recommendation – Student interest in mathematics is indicated by one or more of the following:</p> <ul style="list-style-type: none"> ◆ Types of questions asked in and out of class ◆ Interest in solving math problems or puzzles for entertainment ◆ Interest in competing in mathematical competition ◆ Interest in reading books about mathematical or scientific topics ◆ Interest in a math or science related career <p>Students who are placed in Algebra 1 as an 8th grader are expected to take more than three years of math at the high school level. In fact, these students should take Geometry, Algebra 2, Pre-Calculus, AP Calculus, AP Statistics and Discrete Math because of their mathematical ability</p>
CT Algebraic Principles	<p>Below 30th NPR (National Percentile Ranking) on the ITBS</p> <p>Failure in 8th Grade Math or high school failure in Algebraic Principles</p>
Algebraic Principles	<p>50-30th NPR (National Percentile Ranking) on the ITBS</p> <p>High school failure in Algebra 1 (Input of Algebra teacher required)</p> <p>Grades of D or lower in 8th Grade Math</p>
CT Algebra 1 <i>Year-long block</i>	<p>50th or lower NPR (National Percentile Ranking) on the ITBS/ITED</p> <p>Grades of C or lower in CT Algebraic Principles, or Algebraic Principles (Not due to absences or related to attitude)</p> <p>High school failure in Algebra 1 (Input of Algebra teacher required)</p>
Algebra 1	<p>99-50th NPR (National Percentile Ranking) on the ITBS</p> <p>Grades of A's -C's in regular 8th Grade Math, CT Algebraic Principles, or Algebraic Principles</p>
Consumer Math	Prereq - Must be in 10 th -12 th grade
Intermediate Math	Prereq - CT Algebra 1 or Algebra 1 with grade of C- or below or Geometry with a grade of D or below
Geometry	Prereq - CT Algebra 1 or Algebra 1 with grade of C or above
Algebra 2	Prereq - Geometry with a grade of C or above
Discrete Math	Prereq - Geometry & Algebra 2 with a grade of C or above
Math for Liberal Arts	Prereq - Geometry & Algebra 2 with a grade of C or above and joint enrollment requirements as referenced in Course Guide
AP Statistics	Prereq - Geometry & Algebra 2 with a grade of C or above
PreCalculus	Prereq - Geometry & Algebra 2 with a grade of B or above
AP Calculus	Prereq - PreCalculus with a grade of C or above

Note: Looking at several years of scores may give a clearer picture of the student.