

Graduation Plans Class of 2012 -Class of 2017

(Known as the 4 x 4, due to the requirement of 4 years in 4 core curriculum areas)

Discipline	Minimum Graduation Plan (23 Credits)	Recommended High School Program (26 credits)	Distinguished Achievement Program (26 credits)
English Language Arts and Reading*	Four credits: English I, II, III, and IV	Four credits: English I, II, III, and IV	Four credits: English I, II, III, and IV
Mathematics*	Three credits to include: Algebra I and Geometry Third Credit from: Mathematical Models with Applications, Mathematical Applications in Agriculture, Food, and Natural Resources (CTE), Algebra II, Pre-Calculus, Advanced Quatitative Reasoning (AQR) Engineering Mathematics (CTE), Statistics & Risk Management (CTE)	Four credits must consist of: Algebra I, Geometry and Algebra II Courses available for the Fourth Math credit include: Pre-Calculus, AP Statistics, AP Calculus AB or BC, AP Computer Science, Advanced Quantitative Reasoning (AQR), Independent Study in Math (Calculus), Engineering Mathematics (CTE), Statistics & Risk Management (CTE), Mathematical Models with Applications (MMA) if taken prior to Algebra II or Math Applications in Ag, Food & Nat Resources - see course description about Algebra II	Four credits must consist of: Algebra I, Geometry and Algebra II Courses available for the Fourth Math credit include: Pre-Calculus, AP Statistics, AP Calculus AB or BC, AP Computer Science, Advanced Quantitative Reasoning (AQR) Independent Study in Math (Calculus), Engineering Mathematics (CTE), Statistics & Risk Management (CTE)
<i>And by CISD Board Policy EIF – for all graduation plans each student must take a math-oriented course until graduation</i>			
<i>Includes any Math course listed, TAKS Math lab, AP Physics, AP Chemistry, Music Theory I or II AP, Computer Programming, Computer Science II or III, Advanced Computer Programming (AP Computer Science A), Accounting I or II, Culinary Arts, Aerospace Engineering, Cosmetology II, Law Enforcement II, Firefighter II, CTE Advanced or Practicum courses, Dual Credit Calculus, Concurrent Credit College Algebra, Concurrent Credit Trigonometry</i>			
Science*	Two credits to include: Biology Integrated Physics/Chemistry May substitute Chemistry or Physics for. IPC but must use the other as an elective credit. Students are encouraged to take courses in biology, chemistry, and physics	Four credits: Biology or AP Biology Chemistry or AP Chemistry Physics, or Pre-AP or AP Physics The additional credit may be IPC and must be successfully completed prior to chemistry and physics The fourth credit may be selected from any of the following: AP Biology, AP Chemistry, AP Environmental Science, AP Physics Aquatic Science, Astronomy, Earth & Space Science, Environmental Systems, Advanced Animal Science (CTE), Advanced Plant & Soil Science (CTE), Anatomy/Physiology (CTE), Engineering Design & Problem Solving (CTE), Food Science (CTE), Forensic Science (CTE), Medical Microbiology/Pathophysiology (CTE), Scientific Research & Design (CTE)	Four credits: Biology or AP Biology Chemistry or AP Chemistry Physics, Physics Pre-AP or AP Physics After successful completion of courses in biology chemistry, and physics, the fourth credit may be selected from any of the following: AP Biology, AP Chemistry, AP Environmental Science, AP Physics, Aquatic Science, Astronomy, Earth & Space Science, Environmental Systems, Advanced Animal Science (CTE), Advanced Plant & Soil Science (CTE), Anatomy/Physiology (CTE), Engineering Design & Problem Solving (CTE), Food Science (CTE), Forensic Science (CTE), Medical Microbiology/Pathophysiology (CTE), Scientific Research & Design (CTE)
Social Studies*	Three and one-half credits must consist of: World Geography World History US History US Government (one-half credit)	Three and one-half credits must consist of: World Geography World History US History US Government (one-half credit)	Three and one-half credits must consist of: World Geography World History US History US Government (one-half credit)
Economics with emphasis on free enterprise system	One-half credit.	One-half credit.	One-half credit.

and its benefits*

Class of 2012 and Beyond (Continued)

Physical Education	One credit to include Can substitute: drill team, marching band, color guard, cheerleading, athletics, JROTC	One credit to include Can substitute: drill team, marching band, color guard, cheerleading, athletics, JROTC	One credit to include Can substitute: drill team, marching band, color guard, cheerleading, athletics, JROTC
Languages Other Than English*	None.	Two credits must consist of Level I and Level II in the same language.	Three credits must consist of Level I, Level II, and Level III in the same language.
Fine Arts*	One credit. (Speech may not substitute.)	One credit. (Speech may not substitute.)	One credit. (Speech may not substitute.)
Speech	One-half credit: Communications Applications or Professional Communication (CTE)	One-half credit: Communications Applications or Professional Communication (CTE)	One-half credit: Communications Applications or Professional Communication (CTE)
Additional Component {Electives}	Seven and one-half credits (one of these may be a Local credit)	Five and one-half credits Selected from courses approved by the State Board Of Education for Grades 9-12	Four and one-half credits (relating to Essential Knowledge and Skills)
Advanced Measures	None.	None.	<p>Requirements: A student must achieve any combination of four of the following:</p> <p>Test data: *a score of three or above on the College Board Advanced Placement exam *a score on the PSAT that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corp.; as part of the National Hispanic Scholar Program of the College Board; or as part of the National Achievement Scholarship Program for Outstanding Black American Students of the National Merit Scholarship Corporation. The PSAT score may count as only one advanced measure regardless of the number of honors received by the student.</p> <p>College Courses: *a grade of 3.0 or higher on a 3 hour (or more) academic courses that count for college credit, including tech prep programs.</p> <p>Original Research Project: *that is conducted under the direction of mentor(s) and judged by a panel of professionals in the field and related to the required curriculum TEKS.</p>