2010-2011 Graduation Credit Requirements

DISCIPLINE	MINIMUM HIGH SCHOOL PROGRAM	RECOMMENDED HIGH SCHOOL PROGRAM	** DISTINGUISHED ACHIEVEMENT PROGRAM
***English Language Arts**	**Four Credits**: • English I, II, III • English I and II for Speakers of Other Languages may be substituted for English I and II for student with limited English proficiency that are at the beginning or intermediate levels of English language proficiency. • The fourth credit of English may be selected from any of the following:: ▪ English IV ▪ Research/Technical Writing ▪ Creative/Imaginative Writing ▪ Practical Writing Skills ▪ Literary Genres ▪ Journalism ▪ AP English Language Composition ▪ AP English Literature and Composition	**Four Credits**: • English I, II, III, and IV • English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency that are at the beginning or intermediate levels of English language proficiency.	**Four Credits**: • English I, II, III, and IV • English I and II for Speakers of Other Languages may be substituted for English I and II only for students with limited English proficiency that are at the beginning or intermediate levels of English language proficiency.
***Mathematics**	**Three credits**: • Algebra I • Geometry • The third credit may be selected from any of the following: ▪ Algebra II ▪ Precalculus ▪ Mathematical Models with Applications ▪ Independent Study in Mathematics ▪ AP Statistics ▪ AP Calculus AB ▪ AP Calculus BC ▪ AP Computer Science ▪ Engineering Mathematics (CTE)	**Four credits:** • Algebra I • Geometry • Algebra II • The additional credit may be selected from either of the following and must be successfully completed prior to Algebra II: ▪ Mathematical Models with Applications • The fourth credit may be selected from the following after successful completion of Algebra I, Geometry, and Algebra II: ▪ Precalculus ▪ Independent Study in Mathematics ▪ AP Statistics ▪ AP Calculus AB ▪ AP Calculus BC ▪ AP Computer Science ▪ Engineering Mathematics (CTE)	**Four Credits:** • Algebra I • Geometry • Algebra II • The fourth credit may be selected from any of the following after successful completion of Algebra I, Algebra II, and Geometry: ▪ PreCalculus ▪ Independent Study in Mathematics ▪ AP Statistics ▪ AP Calculus AB ▪ AP Calculus BC ▪ AP Computer Science ▪ Engineering Mathematics (CTE)

***Science**	**Two Credits:** • Biology • Integrated Physics and Chemistry May substitute Chemistry or Physics for IPC but must use the other as academic elective credit	**Four Credits:** • Biology, AP Biology • IPC (optional, if successfully completed prior to Chemistry and Physics). Students who have credit for IPC **prior to 2010-2011** may choose to also take Chemistry and Physics to satisfy science requirements; or may choose between Chemistry or Physics and a 4th science. • Chemistry, AP Chemistry • Physics, AP Physics • The fourth credit may be selected from any or the following: ▪ Aquatic Science ▪ Astronomy ▪ Earth and Space Science ▪ Environmental Systems ▪ AP Biology ▪ AP Chemistry ▪ AP Physics B ▪ AP Physics C ▪ AP Environmental Science ▪ Scientific Research and Design (CTE) ▪ Anatomy and Physiology (CTE) ▪ Engineering Design and Problem Solving (CTE) ▪ Pathophysiology (CTE) ▪ Advanced Animal Science (CTE) ▪ Advanced Biotechnology (CTE) ▪ Advanced Plant and soil Science (CTE) ▪ Food Science (CTE) ▪ Forensic Science (CTE) ▪ Engineering Design and Development (CTE)	**Four Credits:** • Biology, AP Biology • IPC (if taken in 8th grade in 2006-2007) • Chemistry, AP Chemistry • Physics, AP Physics • The fourth credit may be selected from any of the following and may be taken after or concurrently with the 3rd credit: ▪ Aquatic Science ▪ Astronomy ▪ Earth and Space Science ▪ Environmental Science ▪ Environmental Systems ▪ AP Biology ▪ AP Chemistry ▪ AP Physics B ▪ AP Physics C ▪ AP Environmental Science ▪ Scientific Research and Design (CTE) ▪ Anatomy and Physiology (CTE) ▪ Engineering Design and Problem Solving (CTE) ▪ Pathophysiology (CTE) ▪ Advanced Animal Science (CTE) ▪ Advanced Biotechnology (CTE) ▪ Advanced Plant and Soil Science (CTE) ▪ Food Science (CTE) ▪ Forensic Science (CTE) ▪ Engineering Design and Development (CTE)
***Social Studies**	**Two and one-half credits:** • U.S. History Studies Since Reconstruction (One Credit) • U.S. Government (one-half credit) • The final credit may be selected from the following: ▪ World History Studies (one credit) ▪ World Geography Studies (one credit)	**Three and one-half credits:** • World History Studies (one credit) • World Geography Studies (one credit) • U.S. History Studies Since Reconstruction (one credit) • U.S. Government (one-half credit)	**Three and one-half credits:** • World History Studies (one credit) • World Geography Studies (one credit) • U.S. History Studies Since Reconstruction (one credit) • U.S. Government (one-half credit)
***Economics with emphasis on the free enterprise system and its benefits**	**One-half credit**	**One-half credit**	**One-half credit**

Academic Elective	**One credit from any of the following:** • World History Studies • World Geography Studies • Any Science course approved by SBOE (if substituting Chemistry or Physics for IPC, must use the other as academic elective credit here.)	**None**	**None**
Physical Education	**One Credit** • The required credit may be from any combination of the following one-half to one credit courses: ▪ Foundations of Personal Fitness ▪ Aerobic Activities ▪ Team or Individual Sports ♦ In Accordance with local district policy, credit for any of the courses listed above may be earned through participation in the following activities: ▪ Athletics ▪ JROTC ▪ Appropriate private or commercially-sponsored physical activity programs conducted on or off campus • In accordance with local district policy, up to one credit for any one of the courses listed above may be earned through participation in any of the following activities: ▪ Drill Team ▪ Marching Band (Fall) ▪ Cheerleading • All allowed students activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. • Credit may not be earned for any TEKS-based course more than once. No more than four substitution credits may be earned through any combination of substitutions. • Two or three credit Career and Technical Education work-based training courses (taken prior to 2011-2012).	**One Credit** • The required credit may be from any combination of the following one-half to one credit courses: ▪ Foundations of Personal Fitness ▪ Aerobic Activities ▪ Team or Individual Sports ♦ In Accordance with local district policy, credit for any of the courses listed above may be earned through participation in the following activities: ▪ Athletics ▪ JROTC ▪ Appropriate private or commercially-sponsored physical activity programs conducted on or off campus • In accordance with local district policy, up to one credit for any one of the courses listed above may be earned through participation in any of the following activities: ▪ Drill Team ▪ Marching Band (Fall) ▪ Cheerleading • All allowed students activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. • Credit may not be earned for any TEKS-based course more than once. No more than four substitution credits may be earned through any combination of substitutions. • Two or three credit Career and Technical Education work-based training courses (taken prior to 2011-2012).	**One Credit** • The required credit may be from any combination of the following one-half to one credit courses: ▪ Foundations of Personal Fitness ▪ Aerobic Activities ▪ Team or Individual Sports ♦ In Accordance with local district policy, credit for any of the courses listed above may be earned through participation in the following activities: ▪ Athletics ▪ JROTC ▪ Appropriate private or commercially-sponsored physical activity programs conducted on or off campus • In accordance with local district policy, up to one credit for any one of the courses listed above may be earned through participation in any of the following activities: ▪ Drill Team ▪ Marching Band (Fall) ▪ Cheerleading • All allowed students activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity. • Credit may not be earned for any TEKS-based course more than once. No more than four substitution credits may be earned through any combination of substitutions. • Two or three credit Career and Technical Education work-based training courses (taken prior to 2011-2012).

Health Education	**None**	**None**	**None**
*Languages Other Than English	**None**	**Two Credits**: The credits must consist of any two levels in the same language	**Three credits**: The credits must consist of any three levels in the same language.
*Technology Applications	**None**	**None**	**None**
***Fine Arts**	**None** for students who entered Grade 9 before 2010-11. **One credit** for students who enter Grade 9 in 2010-11 or later from any of the following: • Art, Level I,II, III, or IV • Dance, Level I, II, III, or IV • Music, Level I, II, III , or IV • Theatre, Level I, II, III, or IV • Principles and Elements of Floral Design (CTE)	**One Credit from any o f the following:** • Art, Level I,II, III, or IV • Dance, Level I, II, III, or IV • Music, Level I, II, III , or IV • Theatre, Level I, II, III, or IV • Principles and Elements of Floral Design (CTE)	**One Credit from any o f the following:** • Art, Level I,II, III, or IV • Dance, Level I, II, III, or IV • Music, Level I, II, III , or IV • Theatre, Level I, II, III, or IV • Principles and Elements of Floral Design (CTE)
Speech	**One-half credit from either of the following:** • Communication Applications • Professional Communications (CTE)	**One-half credit from either of the following:** • Communication Applications • Professional Communications (CTE)	**One-half credit from either of the following:** • Communication Applications • Professional Communications (CTE)
***Elective Courses**	**Seven and one-half credits (for students who entered Grade 9 before 2010-11); Six and one-half credits (for students who entered Grade 9 after 2010-11); from any of the following:** • The list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills) • State approved innovative courses • JROTC (one to four credits)	**Five and one-half credits from any of the following:** • The list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills) • State approved innovative courses • JROTC (one to four credits)	**Four and one-half credits from any of the following:** • The list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills) • State approved innovative courses • JROTC (one to four credits)
Total Credits	**22**	**26**	**26**

* College Board advanced placement, college-level concurrent/dual enrollment, and international Baccalaureate courses may be substituted for requirements in appropriate areas.
****** Distinguished Achievement Program requirements also include student achievement of four advanced measures.

FOURTH MATH AND SCIENCE OPTIONS

The chart below outlines courses which will satisfy the fourth math and science requirement for students graduating on the Recommended and Distinguished Achievement Plans.

Recommended Plan		**Distinguished Achievement Plan**	
Math	**Science**	**Math**	**Science**
Mathematical Models with Applications (must be taken prior to Algebra II)	IPC (if taken prior to 2010-2011)	Independent Study: Advanced Mathematical Decision-Making (AMDM)	Earth and Space Science
Independent Study: Advanced Mathematical Decision-Making (AMDM)	Earth and Space Science	Precalculus or Precalculus PreAP	Environmental Systems
Precalculus or Precalculus PreAP	Environmental Systems	AP Statistics	Aquatic Science
AP Statistics	Aquatic Science	AP Calculus AB	Astronomy
AP Calculus AB	Astronomy	AP Calculus BC	Pathophysiology
AP Calculus BC	Pathophysiology	Independent Study in Mathematics	Anatomy and Physiology of Human Systems
Independent Study in Mathematics	Anatomy and Physiology of Human Systems	AP Computer Science	AP Biology
AP Computer Science	AP Biology	Engineering Mathematics	AP Chemistry
Engineering Mathematics	Chemistry		AP Physics B and C
	AP Chemistry		AP Environmental Science
	Physics		Scientific Research and Design
	AP Physics B and C		Engineering Design and Problem Solving
	AP Environmental Science		Advanced Biotechnology
	Scientific Research and Design		Advanced Animal Science

	Engineering Design and Problem Solving		Advanced Plant and Soil Science
	Advanced Biotechnology		Food Science
	Advanced Animal Science		Forensic Science
	Advanced Plant and Soil Science		Engineering Design and Development
	Food Science		
	Forensic Science		
	Engineering Design and Development		

Additional State-approved courses not offered in CCISD may be accepted for transfer credit upon evaluation of the student's transcript.