

**GRADUATION REQUIREMENTS
 FOR STUDENTS BEGINNING 9TH-GRADE in 2012-2013 through 2013-2014**

DISCIPLINE	TEA CORE PROGRAM (Minimum High School Program) (22 Credits)	TEA RECOMMENDED PROGRAM (26 Credits)	TEA DISTINGUISHED ACHIEVEMENT PROGRAM (26 Credits)
English Language Arts* Proficiency	<p>Four Credits</p> <p>English I, II, III, and IV</p> <p>The fourth credit of English may be satisfied by:</p> <ul style="list-style-type: none"> • English IV, • Research/Technical Writing, • Creative/Imaginative Writing, • Practical Writing Skills, • Literary Genres, • Journalism, • dual credit college English, • AP English Literature and Composition, • IB English. • CTE Business English • AP English Language and Composition, <p>These substitutions also apply to LEP students.</p> <p>LEP immigrants may substitute English I SOL for English 1 & English II SOL for English 2.</p> <p>All nonimmigrant LEP students may substitute English I, II, III, IV (Beginning, Intermediate, Advanced, Transitional) for English I, II, III, IV.</p>	<p>Four credits</p> <p>English I, II, III, and IV</p> <p>AP, IB, or college courses may substitute.</p> <p>LEP immigrants may substitute English I SOL for English 1 & English II SOL for English 2</p> <p>All nonimmigrant LEP students may substitute English I, II, III, IV (Beginning, Intermediate, Advanced, Transitional) for English I, II, III, IV.</p>	<p>Four credits</p> <p>English I, II, III, and IV</p> <p>AP, IB, or college courses may substitute.</p> <p>LEP immigrants may substitute English I SOL for English 1 and English II SOL for English 2.</p> <p>All nonimmigrant LEP students may substitute English I, II, III, IV (Beginning, Intermediate, Advanced, Transitional) for English I, II, III, IV.</p>
Speech	<p>One-half credit</p> <p>Communication Applications</p> <p>Professional Communications (CTE)</p>	<p>One-half credit</p> <p>Communication Applications</p> <p>Professional Communications (CTE)</p>	<p>One-half credit</p> <p>Communication Applications</p> <p>Professional Communications (CTE)</p>

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Mathematics* Proficiency	<p>Three credits to include</p> <ul style="list-style-type: none"> • Algebra I and • Geometry <p>The third credit may be selected from the following:</p> <ul style="list-style-type: none"> • Algebra II* • Precalculus; • Independent Study in Mathematics [including Advanced Mathematical Decision Making (AMDM)] • Advanced Quantitative Reasoning • Algebraic Reasoning • Statistics • AP Statistics; • AP Calculus AB; • AP Calculus BC; • AP Computer Science; • IB Mathematical Studies Standard Level; • IB Mathematics Standard Level; • IB Mathematics Higher Level; • IB Further Mathematics Standard Level; • Engineering Mathematics (CTE); • Statistics and Risk Management (CTE) • Mathematical Applications in Agriculture, Food, and Natural Resources (CTE)¹; • Mathematical Models with Applications 	<p>Four credits</p> <p>Three of the credits must consist of Algebra I, Geometry, and Algebra II</p> <p>The fourth credit may be selected from any of the following courses:</p> <ul style="list-style-type: none"> • Precalculus; • Independent Study in Mathematics [including Advanced Mathematical Decision Making (AMDM)] • Advanced Quantitative Reasoning • Algebraic Reasoning • Statistics • AP Statistics; • AP Calculus AB; • AP Calculus BC; • AP Computer Science; • IB Mathematical Studies Standard Level; • IB Mathematics Standard Level; • IB Mathematics Higher Level; • IB Further Mathematics Standard Level; • concurrent enrollment in college mathematics courses • Engineering Mathematics (CTE); • Statistics and Risk Management (CTE) • Mathematical Applications in Agriculture, Food, and Natural Resources (CTE)¹; • Mathematical Models with Applications¹ <p>¹ If successfully completed prior to Algebra 2</p>	<p>Four credits</p> <p>The credits must consist of Algebra I, Geometry, and Algebra II and an additional SBOE-approved mathematics course for which Algebra II is a prerequisite:</p> <ul style="list-style-type: none"> • Precalculus; • Independent Study in Mathematics; • Statistics • Discrete Mathematics • AP Statistics; • AP Calculus AB; • AP Calculus BC; • AP Computer Science; • IB Mathematical Studies Standard Level; • IB Mathematical Standard Level; • IB Mathematics Higher Level; • IB Further Mathematics Standard Level; • concurrent enrollment in college mathematics courses • Engineering Mathematics (CTE); • Statistics and Risk Management (CTE)

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* **The final credit may be Algebra II. A student may not combine a half credit of Algebra II with a half credit from another mathematics course to satisfy the final mathematics credit requirement.**

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Science* Proficiency	<p>Two credits to include:</p> <ul style="list-style-type: none"> • Biology and • Integrated Physics and Chemistry (Both Chemistry and Physics must be taken to substitute for IPC.) <p>A student may substitute a chemistry (Chemistry, AP Chemistry, or IB Chemistry), or a physics (Physics, Principles of Technology, AP Physics, or IB Physics) and then must use the second of these two courses as an academic elective credit.</p>	<p>Four credits</p> <p>Three credits must be Biology (Biology, AP or IB Biology), Chemistry (Chemistry, AP or IB), and Physics (Physics, Principles of Technology, AP or IB)</p> <p>The additional credit may be Integrated Physics and Chemistry and successfully completed prior to Chemistry and Physics.</p> <p>Student may select the fourth required credit from any of the following courses:</p> <ul style="list-style-type: none"> • Aquatic Science; • Astronomy; • Earth and Space Science; • Environmental Systems; • AP or IB Biology; • AP or IB Chemistry; • AP Physics B; • AP Physics C; • IB Physics • AP Environmental Science; • IB Environmental Systems • Scientific Research and Design (CTE) • Anatomy and Physiology of Human Systems (CTE); • Medical Microbiology (CTE); • Pathophysiology (CTE) 	<p>Four credits</p> <p>Three credits must consist of</p> <ul style="list-style-type: none"> • Biology credit (Biology, AP or IB Biology), • Chemistry credit (Chemistry, AP or IB Chemistry,), • Physics credit (Physics, AP or IB Physics), <p>(Students on this plan may not count IPC as a science graduation credit.)</p> <p>Student may select the fourth required credit from any of the following courses:</p> <ul style="list-style-type: none"> • Aquatic Science; • Astronomy; • Earth and Space Science; • Environmental Systems; • AP or IB Biology; • AP or IB Chemistry; • AP Physics B; • AP Physics C; • AP Environmental Science; • IB Physics; • IB Environmental Systems • Scientific Research and Design (CTE) • Anatomy and Physiology of Human Systems (CTE); • Medical Microbiology (CTE); • Pathophysiology (CTE) • Engineering Design and Problem Solving (CTE)

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		<ul style="list-style-type: none"> • Engineering Design and Problem Solving (CTE) • Advanced Animal Science (CTE) • Advanced Biotechnology (CTE) • Advanced Plant and Soil Science (CTE) • Food Science (CTE) • Forensic Science (CTE) 	<ul style="list-style-type: none"> • Advanced Animal Science (CTE) • Advanced Biotechnology (CTE) • Advanced Plant and Soil Science (CTE) • Food Science (CTE) • Forensic Science (CTE)
Social Studies * Proficiency	<p>Three credits taken in prescribed sequence</p> <p>Two credits must consist of US History (one credit), US Government (one-half credit) and Economics with Emphasis on the Free Enterprise System (one-half credit). The final credit may be selected from World History and World Geography.</p>	<p>Four credits taken in prescribed sequence</p> <p>World Geography Studies - one credit (Grade 9) World History Studies - one credit (Grade 10) US History Since Reconstruction - one credit (Grade 11) US Government - one-half credit (Grade 12) Economics one-half credit (Grade 12)</p>	<p>Four credits taken in prescribed sequence</p> <p>World Geography Studies - one credit (Grade 9) World History Studies - one credit (Grade 10) US History Since Reconstruction - one credit (Grade 11) US Government - one-half credit (Grade 12) Economics one-half credit (Grade 12)</p>
Economics* with emphasis on the free enterprise system and its benefits	One-half credit (Grade 12)	One-half credit (Grade 12)	One-half credit (Grade 12)
Languages Other Than English *	One credit In the same language	Two credits any two levels in the same language AP, IB, or dual credit college courses may substitute.	Three credits any three levels in the same language AP, IB, or dual credit college courses may substitute.

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Physical Education	<p>One and one-half credit</p> <ul style="list-style-type: none"> • Foundations of Personal Fitness • Adventure/Outdoor Education • Aerobic Activities • Team or Individual Sports <p>Credit for courses listed above may be earned through participation in:</p> <ul style="list-style-type: none"> • Athletics • JROTC • Appropriate private or commercially-sponsored physical activity programs conducted on or off campus <p>Credit for one of the courses listed above may be earned through participation in any of the following activities:</p> <ul style="list-style-type: none"> • Drill Team • Marching Band • Cheerleading <p>All allowed activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity.</p> <p>(Limit of four credits.)</p>	<p>One and one-half credit</p> <ul style="list-style-type: none"> • Foundations of Personal Fitness • Adventure/Outdoor Education • Aerobic Activities • Team or Individual Sports <p>Credit for courses listed above may be earned through participation in:</p> <ul style="list-style-type: none"> • Athletics • JROTC • Appropriate private or commercially-sponsored physical activity programs conducted on or off campus <p>Credit for one of the courses listed above may be earned through participation in any of the following activities:</p> <ul style="list-style-type: none"> • Drill Team • Marching Band • Cheerleading <p>All allowed activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity.</p> <p>(Limit of four credits.)</p>	<p>One and one-half credit</p> <ul style="list-style-type: none"> • Foundations of Personal Fitness • Adventure/Outdoor Education • Aerobic Activities • Team or Individual Sports <p>Credit for courses listed above may be earned through participation in:</p> <ul style="list-style-type: none"> • Athletics • JROTC • Appropriate private or commercially-sponsored physical activity programs conducted on or off campus <p>Credit for one of the courses listed above may be earned through participation in any of the following activities:</p> <ul style="list-style-type: none"> • Drill Team • Marching Band • Cheerleading <p>All allowed activities must include at least 100 minutes per five-day school week of moderate to vigorous physical activity.</p> <p>(Limit of four credits.)</p>
Health Education	<p>One-half credit</p> <p>Principals of Health Science (one credit)</p>	<p>One-half credit</p> <p>Principals of Health Science (one credit)</p>	<p>One-half credit</p> <p>Principals of Health Science (one credit)</p>

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<p><i>Technology Applications*</i> Proficiency</p>	<p><i>One credit</i></p> <p>which may be satisfied by the following courses, if taken prior to 2012-2013: Computer Science I, Computer Science II, Desktop Publishing, Digital Graphics and Animation, Multimedia, Telecommunications and Networking, Video Technology, Web Mastering,</p> <p>The following courses, if taken in 2012-2013 and following years: Computer Science I, Computer Science II, Digital Design Digital Art and Animation Digital Video and Production Web Design</p> <p>The following courses, if taken in 2010-2011 and following years: Business Information Management I, Business Information Management II, Computer Programming, Advanced Computer Programming, Telecommunications and Networking, Digital & Interactive Media, Principles of Information Technology, Audio Video Production, Technology Applications Independent Study (with Curriculum Department approval)</p>	<p><i>One credit</i></p> <p>which may be satisfied by the following courses, if taken prior to 2012-2013: Computer Science I, Computer Science II, Desktop Publishing, Digital Graphics and Animation, Multimedia, Telecommunications and Networking, Video Technology, Web Mastering,</p> <p>The following courses, if taken in 2012-2013 and following years: Computer Science I, Computer Science II, Digital Design Digital Art and Animation Digital Video and Production Web Design</p> <p>The following courses, if taken in 2010-2011 and following years: Business Information Management I, Business Information Management II, Computer Programming, Advanced Computer Programming, Telecommunications and Networking, Digital & Interactive Media, Principles of Information Technology, Audio Video Production, Technology Applications Independent Study (with Curriculum Department approval)</p>	<p><i>One credit</i></p> <p>which may be satisfied by the following courses, if taken prior to 2012-2013: Computer Science I, Computer Science II, Desktop Publishing, Digital Graphics and Animation, Multimedia, Telecommunications and Networking, Video Technology, Web Mastering,</p> <p>The following courses, if taken in 2012-2013 and following years: Computer Science I, Computer Science II, Digital Design Digital Art and Animation Digital Video and Production Web Design</p> <p>The following courses, if taken in 2010-2011 and following years: Business Information Management I, Business Information Management II, Computer Programming, Advanced Computer Programming, Telecommunications and Networking, Digital & Interactive Media, Principles of Information Technology, Audio Video Production, Technology Applications Independent Study (with Curriculum Department approval)</p>

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Fine Arts	<p>One credit</p> <ul style="list-style-type: none"> • <i>Principals and Elements of Floral Design (CTE)</i>; • <i>Art, Level I, II, III, or IV</i>; • <i>Dance, Level I, II, III, or IV</i>; • <i>Music, Level I, II, III, or IV</i>; • <i>Theatre, Level I, II, III, or IV</i> <p>(Speech and Debate may not substitute.)</p> <p>AP, IB, or dual credit college fine arts courses may substitute.</p>	<p>One credit</p> <p>which may be satisfied by any course found in 19 TAC Chapter 117 or <i>Principals and Elements of Floral Design (CTE)</i></p> <p>(Speech and Debate may not substitute.)</p> <p>AP, IB, or dual credit college fine arts courses may substitute.</p>	<p>One credit</p> <p>which may be satisfied by any course found in 19 TAC Chapter 117 or <i>Principals and Elements of Floral Design (CTE)</i></p> <p>(Speech and Debate may not substitute.)</p> <p>AP, IB, or dual credit college fine arts courses may substitute.</p>
Electives	<p>Six credits</p> <p>These are elective credits to be selected from:</p> <ul style="list-style-type: none"> • the list of courses approved by the SBOE for Grades 9-12 as specified in TAC §74.1; • state-approved innovative courses, • Junior Reserve Office Training Corps (JROTC) (one to four credits); or • Driver Education (one-half credit) – transferred from another school district. 	<p>Five credits</p> <p>These are elective credits to be selected from:</p> <ul style="list-style-type: none"> • the list of courses approved by the SBOE for Grades 9-12 as specified in TAC §74.1; • state-approved innovative courses, • Junior Reserve Office Training Corps (JROTC) (one to four credits); or • Driver Education (one-half credit) – transferred from another school district. 	<p>Four credits</p> <p>These are elective credits to be selected from:</p> <ul style="list-style-type: none"> • the list of courses approved by the SBOE for Grades 9-12 as specified in TAC §74.1; • state-approved innovative courses, • Junior Reserve Office Training Corps (JROTC) (one to four credits); or • Driver Education (one-half credit) – transferred from another school district.
Academic Elective	<p>One credit</p> <p>The credit must be selected from World History, World Geography, or SBOE approved science course(s). If a student elects to replace IPC with either Chemistry or Physics, the academic elective be the other of these two science courses.</p>		Four advanced measures

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