

## HB 3 Graduation Credit Requirements 2009-2010

Discipline	Minimum HSP	Recommended HSP	Distinguished Achievement Program*
<b>English Language Arts</b> ♦	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</li> <li>• English I and II for Speakers of Other Languages may be substituted for English I and II only for immigrant students with limited English proficiency.</li> <li>• The fourth credit of English may be satisfied by either:                         <ul style="list-style-type: none"> <li>▪ English IV.</li> <li>▪ Research/Technical Writing,</li> <li>▪ Creative/Imaginative Writing,</li> <li>▪ Practical Writing Skills,</li> <li>▪ Literary Genres,</li> <li>▪ Business Communication, or</li> <li>▪ Journalism</li> </ul> </li> </ul>	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</li> <li>• English I and II for Speakers of Other Languages may be substituted for English I and II only for immigrant students with limited English proficiency.</li> </ul>	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</li> <li>• English I and II for Speakers of Other Languages may be substituted for English I and II only for immigrant students with limited English proficiency.</li> </ul>
<b>Mathematics</b> ♦	<p><b>Three credits to include:</b></p> <ul style="list-style-type: none"> <li>• Algebra I and</li> <li>• Geometry.</li> </ul>	<p><b>Four credits.</b> Three of the credits must be Alg. I, Alg. II, and Geometry. The fourth credit may be selected from the following:</p> <ul style="list-style-type: none"> <li>• Mathematical Models with Applications</li> <li>• Precalculus</li> <li>• Independent Study in Mathematics</li> <li>• Advanced Placement Statistics</li> <li>• Advanced Placement Calculus AB</li> <li>• Advanced Placement Calculus BC</li> <li>• IB Mathematical Studies</li> <li>• IB Mathematics Standard Level</li> <li>• IB Mathematics Higher Level</li> <li>• IB Advanced Mathematics Standard Level</li> <li>• AP Computer Science</li> <li>• Concurrent Enrollment in College Courses</li> </ul> <p>For students who select Mathematical Models with Applications, Algebra II is their fourth or final course. They may not take Mathematical Models with Applications after taking Algebra II. The intent of the rule is that all students should have a rigorous math course in their senior year; however, students may continue to take mathematics courses at the middle school and receive high school credit.</p>	<p><b>Four credits,</b> which must consist of Algebra I, Algebra II, and Geometry and an additional SBOE-approved mathematics course for which Algebra II is a prerequisite:</p> <ul style="list-style-type: none"> <li>• Precalculus</li> <li>• Independent Study in Mathematics (for example, when used to offer Calculus)</li> <li>• Advanced Placement (AP) Statistics</li> <li>• Advanced Placement (AP) Calculus AB</li> <li>• Advanced Placement (AP) Calculus BC</li> <li>• IB Mathematical Studies Subsidiary Level</li> <li>• IB Mathematical Methods Subsidiary Level</li> <li>• IB Mathematics Higher Level</li> <li>• IB Advanced Mathematics Subsidiary Level</li> <li>• Concurrent Enrollment in College Courses</li> </ul>
<b>Science</b> ♦	<p><b>Two credits to include:</b></p> <ul style="list-style-type: none"> <li>• Biology and</li> <li>• Integrated Physics and Chemistry.</li> </ul> <p>May substitute Chemistry or Physics for IPC but must use the other as academic elective credit.</p>	<p><b>Four credits,</b> one of which must be Biology (and/or AP/IB Biology), and three of which are selected from a list of options that will include Integrated Physics and Chemistry (IPC) until SY 2012-2013. IPC cannot be taken as the final or fourth year of science, but must be taken before the senior year of high school. When IPC is phased out, all students will select one credit from Biology, AP</p>	<p><b>Four credits,</b> which must consist of a biology credit (Biology, Advanced Placement (AP) Biology, or International Baccalaureate (IB) Biology), a chemistry credit (Chemistry, AP Chemistry, or IB Chemistry), a physics credit (Physics, AP Physics, or IB Physics, and not including Principles of Technology), and an additional approved laboratory-based science course. In addition to a</p>

\* Green text signifies areas where the SBOE retains authority over requirements and red text signifies changes that must be made as a result of HB 3  
 ♦ 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.

			<p>Biology, or IB Biology: one credit from Chemistry, IB Chemistry, or AP Chemistry; one credit from Physics, AP Physics, or IB Physics, or Principles of Technology I; and a fourth credit from the courses listed in 19 TAC 112 as approved for science credit:</p> <ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Physics</li> <li>• Astronomy</li> <li>• Aquatic Science</li> <li>• Environmental Systems</li> <li>• Earth and Space Science</li> <li>• Advanced Placement Biology</li> <li>• Advanced Placement Chemistry</li> <li>• Advanced Placement Physics B</li> <li>• Advanced Placement Physics C</li> <li>• Advanced Placement Environmental Science</li> <li>• International Baccalaureate Biology</li> <li>• International Baccalaureate Chemistry</li> <li>• International Baccalaureate Physics</li> <li>• International Baccalaureate Environmental Systems</li> </ul> <p>The following CTE courses:</p> <ul style="list-style-type: none"> <li>• Scientific Research and Design</li> <li>• Anatomy and Physiology of Human Systems</li> <li>• Medical Microbiology and Pathophysiology</li> <li>• Principles of Technology I</li> <li>• Principles of Technology II</li> <li>• Engineering</li> </ul> <p>Concurrent enrollment in college courses</p>	<p>biology course, a chemistry course, and a physics course, a student may select the fourth required credit from:</p> <ul style="list-style-type: none"> <li>• Earth and Space Science;</li> <li>• Environmental Systems;</li> <li>• Aquatic Science;</li> <li>• Astronomy;</li> <li>• AP Biology;</li> <li>• IB Biology;</li> <li>• AP Chemistry;</li> <li>• IB Chemistry;</li> <li>• AP Physics;</li> <li>• IB Physics;</li> <li>• AP Environmental Science;</li> <li>• IB Environmental Systems;</li> </ul> <p>The following CTE courses:</p> <ul style="list-style-type: none"> <li>• Scientific Research and Design</li> <li>• Anatomy and Physiology of Human Systems</li> <li>• Engineering</li> </ul>
<b>Social Studies ♦</b>	<p>Two and one-half credits must consist of:</p> <ul style="list-style-type: none"> <li>• World History Studies (one credit) or</li> <li>• World Geography Studies (one credit),</li> <li>• U.S. History Studies Since Reconstruction (one credit), and</li> <li>• U.S. Government (one-half credit).</li> </ul> <p>One-half credit</p>	<p>Three and one-half credits must consist of:</p> <ul style="list-style-type: none"> <li>• World History Studies (one credit),</li> <li>• World Geography Studies (one credit),</li> <li>• U.S. History Studies Since Reconstruction (one credit), and</li> <li>• U.S. Government (one-half credit).</li> </ul> <p>One-half credit</p>	<p>Three and one-half credits must consist of:</p> <ul style="list-style-type: none"> <li>• World History Studies (one credit),</li> <li>• World Geography Studies (one credit),</li> <li>• U.S. History Studies Since Reconstruction (one credit), and</li> <li>• U.S. Government (one-half credit).</li> </ul> <p>One-half credit</p>	
<b>Economics with emphasis on the free enterprise system and its benefits ♦</b>	<p>One credit selected from either:</p> <ul style="list-style-type: none"> <li>• World History Studies,</li> <li>• World Geography Studies, or</li> <li>• any science course approved by SBOE. (If substituting Chemistry or Physics for IPC, must use the other as academic elective credit here.)</li> </ul> <p>One and one-half credits to include Foundations of Personal Fitness (one-half credit). (Limit two credits.)</p> <p>Can substitute:</p> <ul style="list-style-type: none"> <li>• drill team,</li> <li>• marching band,</li> <li>• cheerleading,</li> <li>• ROTC.</li> </ul>	<p>One credit selected from either:</p> <ul style="list-style-type: none"> <li>• World History Studies,</li> <li>• World Geography Studies, or</li> <li>• any science course approved by SBOE. (If substituting Chemistry or Physics for IPC, must use the other as academic elective credit here.)</li> </ul> <p>One and one-half credits to include Foundations of Personal Fitness (one-half credit). (Limit two credits.)</p> <p>Can substitute:</p> <ul style="list-style-type: none"> <li>• drill team,</li> <li>• marching band,</li> <li>• cheerleading,</li> <li>• ROTC.</li> </ul>	<p>One credit selected from either:</p> <ul style="list-style-type: none"> <li>• World History Studies,</li> <li>• World Geography Studies, or</li> <li>• any science course approved by SBOE. (If substituting Chemistry or Physics for IPC, must use the other as academic elective credit here.)</li> </ul> <p>One and one-half credits to include Foundations of Personal Fitness (one-half credit). (Limit two credits.)</p> <p>Can substitute:</p> <ul style="list-style-type: none"> <li>• drill team,</li> <li>• marching band,</li> <li>• cheerleading,</li> <li>• ROTC.</li> </ul>	
<b>Academic Elective</b>	<p>None</p>	<p>None</p>	<p>None</p>	
<b>Physical Education</b>	<p>One and one-half credits to include Foundations of Personal Fitness (one-half credit). (Limit two credits.)</p> <p>Can substitute:</p> <ul style="list-style-type: none"> <li>• drill team,</li> <li>• marching band,</li> <li>• cheerleading,</li> <li>• ROTC.</li> </ul>	<p>One and one-half credits to include Foundations of Personal Fitness (one-half credit). (Limit two credits.)</p> <p>Can substitute:</p> <ul style="list-style-type: none"> <li>• drill team,</li> <li>• marching band,</li> <li>• cheerleading,</li> <li>• ROTC.</li> </ul>	<p>One and one-half credits to include Foundations of Personal Fitness (one-half credit). (Limit two credits.)</p> <p>Can substitute:</p> <ul style="list-style-type: none"> <li>• drill team,</li> <li>• marching band,</li> <li>• cheerleading,</li> <li>• ROTC.</li> </ul>	

\* Green text signifies areas where the SBOE retains authority over requirements and red text signifies changes that must be made as a result of HB 3  
♦ 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.

	<ul style="list-style-type: none"> <li>athletics,</li> <li>Dance I-IV</li> <li>approved private programs, or</li> <li>certain career and technical education courses.</li> </ul>	<ul style="list-style-type: none"> <li>athletics,</li> <li>Dance I-IV</li> <li>approved private programs, or</li> <li>certain career and technical education courses.</li> </ul>	<ul style="list-style-type: none"> <li>athletics,</li> <li>Dance I-IV</li> <li>approved private programs, or</li> <li>certain career and technical education courses.</li> </ul>	<ul style="list-style-type: none"> <li>athletics,</li> <li>Dance I-IV</li> <li>approved private programs, or</li> <li>certain career and technical education courses.</li> </ul>
<b>Languages Other Than English ♦</b>	None			<p><b>Two credits</b> must consist of any two levels in the same language.</p> <p><b>One-half credit or Health Science (one credit).</b></p> <p><b>One credit,</b> which may be satisfied by:</p> <ul style="list-style-type: none"> <li>the following courses in Chapter 126 of this title (relating to Texas Essential Knowledge and Skills for Technology Applications): Computer Science I, Computer Science II, Desktop Publishing, Digital Graphics/Animation, Multimedia, Video Technology, Web Mastering, or Independent Study in Technology Applications; or state-approved technology applications innovative courses;</li> <li>the following courses in 19 TAC Chapter 120: Business Computer Information Systems I or II, Business Computer Programming, Telecommunications and Networking, or Business Image Management and Multimedia;</li> <li>the following courses in 19 TAC Chapter 123: Computer Applications, Technology Systems (modular computer laboratory-based), Communications Graphics (modular computer laboratory-based), or Computer Multimedia and Animation Technology; or</li> <li>the completion of three credits (for students participating in a coherent sequence of career and technology courses or who are enrolled in a Tech Prep high school plan of study) consisting of two or more state-approved career and technology courses in 19 TAC Chapters 119-125 and 127. Districts shall ensure that career and technology courses, including innovative courses, in a coherent sequence used to meet the technology applications credit are appropriate to collectively teach the knowledge and skills found in any of the approved courses listed in subparagraphs (A), (B), and (C) of this paragraph. Students pursuing the technology applications option described in this subparagraph must demonstrate proficiency in technology applications prior to the beginning of Grade 11.</li> </ul>
<b>Health Education Technology Applications ♦</b>	<p><b>One-half credit or Health Science (one credit).</b></p> <p><b>One credit,</b> which may be satisfied by:</p> <ul style="list-style-type: none"> <li>the following courses in Chapter 126 of this title (relating to Texas Essential Knowledge and Skills for Technology Applications): Computer Science I, Computer Science II, Desktop Publishing, Digital Graphics/Animation, Multimedia, Video Technology, Web Mastering, or Independent Study in Technology Applications;</li> <li>the following courses in Chapter 120 of this title (relating to the Texas Essential Knowledge and Skills for Business Education): Business Computer Information Systems I or II, Business Computer Programming, or Business Image Management and Multimedia; or</li> <li>the following courses in Chapter 123 of this title (relating to the Texas Essential Knowledge and Skills for Technology Education/Industrial Technology Education): Computer Applications, Technology Systems (modular computer laboratory-based), Communications Graphics (modular computer laboratory-based), or Computer Multimedia and Animation Technology.</li> </ul>	<p><b>One-half credit or Health Science (one credit).</b></p> <p><b>One credit,</b> which may be satisfied by:</p> <ul style="list-style-type: none"> <li>the following courses in 19 TAC Chapter 126: Computer Science I, Computer Science II, Desktop Publishing, Digital Graphics/Animation, Multimedia, Video Technology, Web Mastering, or Independent Study in Technology Applications; or state-approved technology applications innovative courses;</li> <li>the following courses in 19 TAC Chapter 120: Business Computer Information Systems I or II, Business Computer Programming, Telecommunications and Networking, or Business Image Management and Multimedia;</li> <li>the following courses in 19 TAC Chapter 123: Computer Applications, Technology Systems (modular computer laboratory-based), Communications Graphics (modular computer laboratory-based), or Computer Multimedia and Animation Technology; or</li> <li>the completion of three credits (for students participating in a coherent sequence of career and technology courses or who are enrolled in a Tech Prep high school plan of study) consisting of two or more state-approved career and technology courses in 19 TAC Chapters 119-125 and 127. Districts shall ensure that career and technology courses, including innovative courses, in a coherent sequence used to meet the technology applications credit are appropriate to collectively teach the knowledge and skills found in any of the approved courses listed in subparagraphs (A), (B), and (C) of this paragraph. Students pursuing the technology applications option described in this subparagraph must demonstrate proficiency in technology applications prior to the beginning of Grade 11.</li> </ul>	<p><b>Three credits</b> must consist of any three levels in the same language.</p> <p><b>One-half credit or Health Science (one credit).</b></p> <p><b>One credit,</b> which may be satisfied by:</p> <ul style="list-style-type: none"> <li>the following courses in 19 TAC Chapter 126: Computer Science I, Computer Science II, Desktop Publishing, Digital Graphics/Animation, Multimedia, Video Technology, Web Mastering, or Independent Study in Technology Applications; or state-approved technology applications innovative courses;</li> <li>the following courses in 19 TAC Chapter 120: Business Computer Information Systems I or II, Business Computer Programming, Telecommunications and Networking, or Business Image Management and Multimedia;</li> <li>the following courses in 19 TAC Chapter 123: Computer Applications, Technology Systems (modular computer laboratory-based), Communications Graphics (modular computer laboratory-based), or Computer Multimedia and Animation Technology; or</li> <li>the completion of three credits (for students participating in a coherent sequence of career and technology courses or who are enrolled in a Tech Prep high school plan of study) consisting of two or more state-approved career and technology courses in 19 TAC Chapters 119-125 and 127. Districts shall ensure that career and technology courses, including innovative courses, in a coherent sequence used to meet the technology applications credit are appropriate to collectively teach the knowledge and skills found in any of the approved courses listed in subparagraphs (A), (B), and (C) of this paragraph. Students pursuing the technology applications option described in this subparagraph must demonstrate proficiency in technology applications prior to the beginning of Grade 11.</li> </ul>	
<b>Fine Arts ♦</b>				<p><b>One credit,</b> which may be satisfied by any one course found in 19 TAC Chapter 117.</p>
<b>Speech</b>				<p><b>One-half credit:</b></p> <ul style="list-style-type: none"> <li>Communication Applications</li> </ul>
<b>Elective Courses ♦</b>	<p><b>Five Four and one-half credits</b> from:</p> <ul style="list-style-type: none"> <li>the list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills),</li> <li>state-approved innovative courses,</li> <li>JROTC (one to four credits), or</li> <li>Driver Education (one-half credit).</li> </ul>	<p><b>Three and one-half Six credits (includes speech)</b> from</p> <ul style="list-style-type: none"> <li>the list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills),</li> <li>state-approved innovative courses,</li> <li>JROTC (one to four credits), or</li> <li>Driver Education (one-half credit).</li> </ul>	<p><b>Two and one-half credits</b> from:</p> <ul style="list-style-type: none"> <li>the list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills),</li> <li>state-approved innovative courses,</li> <li>JROTC (one to four credits), or</li> <li>Driver Education (one-half credit).</li> </ul>	<p><b>Two and one-half credits</b> from:</p> <ul style="list-style-type: none"> <li>the list of courses approved by the SBOE for Grades 9-12 (relating to Essential Knowledge and Skills),</li> <li>state-approved innovative courses,</li> <li>JROTC (one to four credits), or</li> <li>Driver Education (one-half credit).</li> </ul>
<b>Total Credits</b>	22	26	26	26

\* Green text signifies areas where the SBOE retains authority over requirements and red text signifies changes that must be made as a result of HB 3  
♦ 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.