

Texas State Graduation Requirements

*(Applies to students entering Grade 9 in the 2007-08 school year and thereafter.)*

A student entering Grade 9 in the 2007-2008 school year and thereafter shall enroll in the courses necessary to complete the curriculum requirements for the recommended high school program specified in §74.63 of this title (relating to Recommended High School Program) or the advanced program specified in §74.64 of this title (relating to Distinguished Achievement High School Program--Advanced High School Program) unless the student, the student's parent or other persons standing in parental relation to the student, and a school counselor or school administrator agree that the student should be permitted to take courses under the minimum high school program specified in §74.62 of this title (relating to Minimum High School Program).

Discipline	Minimum Graduation Plan	Recommended High School Program	Distinguished Achievement Program*
English Language Arts *	<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>
Mathematics *	<p><b>Three credits</b> to include:</p> <ul style="list-style-type: none"> <li>Algebra I and</li> <li>Geometry.</li> </ul>	<p><b>4 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 <u>may not</u> take Mathematical Models with Applications <u>after</u> taking Algebra II. The intent of the rule is that all students should have a rigorous math course in their senior year; however, students <u>may continue</u> to take mathematics courses at the middle school and receive high school credit.</p>	<p><b>4 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>

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\* Distinguished Achievement Program requirements also include student achievement of four advanced measures. (See last page.)

<p>Science *</p>	<p><b>Two credits</b> to include:</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>4 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 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 health science technology education 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> </ul> <p>The following technology education/industrial technology education courses:</p> <ul style="list-style-type: none"> <li>• Principles of Technology I</li> <li>• Principles of Technology II</li> <li>• Engineering</li> </ul> <p>Concurrent enrollment in college courses</p>	<p><b>4 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 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 health science technology education courses:</p> <ul style="list-style-type: none"> <li>• Scientific Research and Design</li> <li>• Anatomy and Physiology of Human Systems</li> </ul> <p>The following technology education/industrial technology education courses:</p> <ul style="list-style-type: none"> <li>• Engineering</li> </ul>
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Social Studies *	<b>Two and one-half credits</b> must consist of: <ul style="list-style-type: none"> <li>World History Studies (one credit) or 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>	<b>Three and one-half credits</b> must consist of: <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>	<b>Three and one-half credits</b> must consist of: <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>
Economics with emphasis on the free enterprise system and its benefits *	<b>One-half credit</b>	<b>One-half credit</b>	<b>One-half credit</b>
Academic Elective	<b>One credit</b> selected from either: <ul style="list-style-type: none"> <li>World History Studies,</li> <li>World Geography Studies, or</li> <li>any science course approved by SBOE.</li> </ul> (If substituting Chemistry or Physics for IPC, must use the other as academic elective credit here.)	None	None
Physical Education	<b>One and one-half credits</b> to include Foundations of Personal Fitness (one-half credit). (Limit two credits.) Can substitute: <ul style="list-style-type: none"> <li>drill team,</li> <li>marching band,</li> <li>cheerleading,</li> <li>ROTC,</li> <li>athletics,</li> <li>Dance I-IV,</li> <li>approved private programs, or</li> <li>certain career and technology education courses.</li> </ul>	<b>One and one-half credits</b> to include Foundations of Personal Fitness (one-half credit). (Limit two credits.) Can substitute: <ul style="list-style-type: none"> <li>drill team,</li> <li>marching band,</li> <li>cheerleading,</li> <li>ROTC,</li> <li>athletics,</li> <li>Dance I-IV,</li> <li>approved private programs, or</li> <li>certain career and technology education courses.</li> </ul>	<b>One and one-half credits</b> to include Foundations of Personal Fitness (one-half credit). (Limit two credits.) Can substitute: <ul style="list-style-type: none"> <li>drill team,</li> <li>marching band,</li> <li>cheerleading,</li> <li>ROTC,</li> <li>athletics,</li> <li>Dance I-IV,</li> <li>approved private programs, or</li> <li>certain career and technology education courses.</li> </ul>
Languages Other Than English *	None	<b>Two credits</b> must consist of any two levels in the same language.	<b>Three credits</b> must consist of any three levels in the same language.
Health Education	<b>One-half credit</b> or Health Science Technology (one credit).	<b>One-half credit</b> or Health Science Technology (one credit).	<b>One-half credit</b> or Health Science Technology (one credit).

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Discipline	Minimum Graduation Plan	Recommended High School Program	Distinguished Achievement Program*
Technology Applications *	<p>One credit, 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, Telecommunications and Networking, 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>One credit, 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>One credit, 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>

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Fine Arts *	None	One credit which may be satisfied by any one course found in 19 TAC Chapter 117.	One credit which may be satisfied by any course found in 19 TAC Chapter 117.
Speech	<b>One-half credit:</b> • Communication Applications	<b>One-half credit:</b> • Communication Applications	<b>One-half credit:</b> • Communication Applications
Program Credits Excluding Electives	16 ½	22 ½	23 ½
Additional Components * (Elective Courses)	<b>Five and one-half credits</b> from: • 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), or • Driver Education (one-half credit).	<b>Three and one-half credits</b> from: • 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), or • Driver Education (one-half credit).	<b>Two and one-half credits</b> from: • 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), or • Driver Education (one-half credit).
Total Program and Elective Credits	22	26	26

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**Distinguished Achievement Program - Advanced Measures**

**Advanced Measures**

- The measures must focus on demonstrated student performance at the college or professional level.
- Student performance on advanced measures must be assessed through an external review process.
- A student must achieve any combination of four of the following:

Original research/project:

- judged by a panel of professionals in the field that is the focus of the project; or
  - conducted under the direction of mentor(s) and reported to an appropriate audience; and
  - related to the required curriculum set forth in 19 TAC §74.1 (relating to Essential Knowledge and Skills).
- Original research/projects may not be used for more than two of the four advanced measures.

Test data:

- a score of three or above on The College Board Advanced Placement examination;
- a score of four or above on an International Baccalaureate examination;
- a score on the Preliminary Scholastic Assessment Test (PSAT) that qualifies a student for recognition as a Commended Scholar or higher by the National Merit Scholarship Corporation; as part of the National Hispanic Scholar Program of The College Board; or as part of the National Achievement Scholarship Program for Outstanding Negro 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.

College courses:

- a grade of 3.0 or higher on courses that count for college credit, including tech prep program

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