

## Texas State Graduation Requirements For Students Entering Grade 9 in 1998-99 and Thereafter

Discipline	Minimum Graduation Plan (22 Credits)	Recommended High School Program (24 credits)	Distinguished Achievement Program (24 credits)
English Language Arts and Reading*	<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,</li> <li>• Journalism, or</li> <li>• Concurrent enrollment in a college English course.</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.</li> </ul>	<p><b>Three credits</b> must consist of:</p> <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry.</li> </ul>	<p><b>Three credits</b> must consist of :</p> <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry.</li> </ul>
Science*	<p><b>Two credits</b> to include one from either:</p> <ul style="list-style-type: none"> <li>• Biology,</li> <li>• Chemistry, or</li> <li>• Physics.</li> </ul>	<p><b>Three credits</b> selected from four specified areas as indicated below. (No more than one credit may be chosen from each of the four areas.)</p> <ul style="list-style-type: none"> <li>• Integrated Physics and Chemistry;</li> <li>• Biology, AP Biology, or IB Biology;</li> <li>• Chemistry, AP Chemistry, or IB Chemistry;</li> <li>• Physics, Principles of Technology I, AP Physics, or IB Physics.</li> </ul> <p>Students are encouraged to take Biology, Chemistry, and Physics.</p>	<p><b>Three credits</b> selected from four specified areas as indicated below. (No more than one credit may be chosen from each of the four areas.)</p> <ul style="list-style-type: none"> <li>• Integrated Physics and Chemistry;</li> <li>• Biology, AP Biology, or IB Biology;</li> <li>• Chemistry, AP Chemistry, or IB Chemistry;</li> <li>• Physics, Principles of Technology I, AP Physics, or IB Physics.</li> </ul> <p>Students are encouraged to take Biology, Chemistry, and Physics.</p>
Social Studies*	<p><b>Two and one-half credits</b> must consist of:</p> <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>	<p><b>Three and one-half credits</b> 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><b>Three and one-half credits</b> 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>

\* College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1998-99 and Thereafter, continued**

Discipline	Minimum Graduation Plan (22 credits)	Recommended High School Program (24 credits)	Distinguished Achievement Program (24 credits)
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>	<b>None.</b>	<b>None.</b>
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>
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).
Languages Other Than English*	<b>None.</b>	<b>Two credits</b> must consist of Level I and Level II in the same language.	<b>Three credits</b> must consist of Level I, Level II, and Level III in the same language.
Fine Arts*	<b>None.</b>	<b>One credit .</b>  (Speech may not substitute.)	<b>One credit .</b>  (Speech may not substitute.)
Speech	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>

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**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1998-99 and Thereafter, continued**

Discipline	Minimum Graduation Plan (22 credits)	Recommended High School Program (24 credits)	Distinguished Achievement Program (24 credits)
Technology Applications*	<p><b>One credit</b> selected from either:</p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications; or</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Telecommunications and Networking,</li> <li>• Business Image Management and Multimedia,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer laboratory-based),</li> <li>• Communication Graphics (computer laboratory-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>	<p><b>One credit</b> selected from either:</p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering;</li> <li>• Independent Study in Technology Applications; or</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Telecommunications and Networking,</li> <li>• Business Image Management and Multimedia,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer laboratory-based),</li> <li>• Communication Graphics (computer laboratory-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>	<p><b>One credit</b> selected from either:</p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering;</li> <li>• Independent Study in Technology Applications; or</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Telecommunications and Networking,</li> <li>• Business Image Management and Multimedia,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer laboratory-based),</li> <li>• Communication Graphics (computer laboratory-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>

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**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1998-99 and Thereafter, continued**

Discipline	Minimum Graduation Plan 22 credits	Recommended High School Program 24 credits	Distinguished Achievement Program 24 credits
Additional Components*	<p><b>Five and one-half credits</b> selected from either:</p> <ul style="list-style-type: none"> <li>• courses approved by SBOE for Grades 9-12 as specified under 19 TAC §74.1 (relating to Essential Knowledge and Skills);</li> <li>• Reserve Officer Training Corps (ROTC) (one to four credits); or</li> <li>• Driver Education (one-half credit).</li> </ul>	<p><b>Three and one-half credits</b></p> <p><b>1. Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit) must be Precalculus.</p> <p>B. Science (one credit) selected from either:</p> <ul style="list-style-type: none"> <li>• Integrated Physics and Chemistry;</li> <li>• Biology, AP Biology, or IB Biology;</li> <li>• Environmental Systems, IB Environmental Systems, or AP Environmental Science;</li> <li>• Chemistry, AP Chemistry, or IB Chemistry;</li> <li>• Aquatic Science;</li> <li>• Physics, AP Physics, or IB Physics;</li> <li>• Astronomy;</li> <li>• Geology, Meteorology, and Oceanography;</li> <li>• Scientific Research and Design;</li> <li>• Anatomy and Physiology of Human Systems;</li> <li>• Medical Microbiology;</li> <li>• Pathophysiology; or</li> <li>• Principles of Technology I or Principles of Technology II.</li> </ul> <p>C. Elective (one and one-half credits).</p> <p><b>2. Option II: <u>Career and Technology.</u></b> Three and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>3. Option III: <u>Academic.</u></b> Three and one-half credits in state-approved courses in:</p> <ul style="list-style-type: none"> <li>• language arts,</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>	<p><b>Two and one-half credits</b></p> <p><b>1. Option 1: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit) must be Precalculus.</p> <p>B. Science (one credit) selected from either:</p> <ul style="list-style-type: none"> <li>• Integrated Physics and Chemistry;</li> <li>• Biology, AP Biology, or IB Biology;</li> <li>• Environmental Systems, IB Environmental Systems, or AP Environmental Science;</li> <li>• Chemistry, AP Chemistry, or IB Chemistry;</li> <li>• Aquatic Science;</li> <li>• Physics, AP Physics, or IB Physics;</li> <li>• Astronomy;</li> <li>• Geology, Meteorology, and Oceanography;</li> <li>• Scientific Research and Design;</li> <li>• Anatomy and Physiology of Human Systems;</li> <li>• Medical Microbiology;</li> <li>• Pathophysiology; or</li> <li>• Principles of Technology I or Principles of Technology II.</li> </ul> <p>C. Elective (one-half credit).</p> <p><b>2. Option II: <u>Career and Technology.</u></b> Two and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>3. Option III: <u>Academic.</u></b> Two and one-half credits in state-approved courses in:</p> <ul style="list-style-type: none"> <li>• language arts,</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>

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**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1998-99 and Thereafter, continued**

Discipline	Minimum Graduation Plan 22 credits	Recommended High School Program 24 credits	Distinguished Achievement Program 24 credits
Advanced Measures	<b>None.</b>	<b>None.</b>	<p><u>Standards for Approval of Requirements:</u></p> <ul style="list-style-type: none"> <li>• The measures must focus on demonstrated student performance at the college or professional level.</li> <li>• Student performance on advanced measures must be assessed through an external review process.</li> </ul> <p><u>Requirements:</u></p> <ul style="list-style-type: none"> <li>• A student must achieve any combination of four of the following:</li> </ul> <p><u>Original research/project:</u></p> <ul style="list-style-type: none"> <li>• judged by a panel of professionals in the field that is the focus of the project; or</li> <li>• conducted under the direction of mentor(s) and reported to an appropriate audience; and</li> <li>• related to the required curriculum set forth in 19 TAC §74.1 (relating to Essential Knowledge and Skills).</li> <li>• may not be used for more than two of the four advanced measures.</li> </ul> <p><u>Test data:</u></p> <ul style="list-style-type: none"> <li>• a score of three or above on The College Board Advanced Placement examination;</li> <li>• a score of four or above on an International Baccalaureate examination;</li> <li>• 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.</li> </ul> <p><u>College courses:</u></p> <ul style="list-style-type: none"> <li>• a grade of 3.0 or higher on courses that count for college credit, including tech prep programs.</li> </ul>
Total Credits	<b>22</b>	<b>24</b>	<b>24</b>

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## Texas State Graduation Requirements For Students Entering Grade 9 in 1997-98

Discipline	Minimum Graduation Plan (22 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
English Language Arts and Reading*	<b>Four credits:</b> <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</li> <li>• The fourth credit of English may be satisfied by either:               <ul style="list-style-type: none"> <li>• English IV,</li> <li>• English IV (Academic),</li> <li>• Research/Technical Writing,</li> <li>• Creative/Imaginative Writing,</li> <li>• Practical Writing Skills,</li> <li>• Literary Genres,</li> <li>• Business Communication,</li> <li>• Journalism, or</li> <li>• Concurrent enrollment in a college English course.</li> </ul> </li> </ul>	<b>Four credits</b> must consist of: <ul style="list-style-type: none"> <li>• English I, II, III, IV.</li> </ul>	<b>Four credits</b> must consist of : <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</li> </ul>
Mathematics*	<b>Three credits</b> to include Algebra I.	<b>Three credits</b> must consist of: <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry.</li> </ul>	<b>Three credits</b> must consist of: <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry.</li> </ul>
Science*	<b>Two credits</b> to include one from either: <ul style="list-style-type: none"> <li>• Biology I,</li> <li>• Chemistry I, or</li> <li>• Physics I.</li> </ul>	<b>Three credits</b> selected from: <ul style="list-style-type: none"> <li>• Physical Science,</li> <li>• Biology I and II,</li> <li>• Chemistry I and II,</li> <li>• Physics I and II, or</li> <li>• Science III and IV.</li> </ul> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>	<b>Three credits</b> selected from : <ul style="list-style-type: none"> <li>• Physical Science,</li> <li>• Biology I and II,</li> <li>• Chemistry I and II,</li> <li>• Physics I and II, or</li> <li>• Science III and IV.</li> </ul> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>
Social Studies*	<b>Two and one-half credits</b> must consist of : <ul style="list-style-type: none"> <li>• World History Studies or World Geography Studies (one credit),</li> <li>• U.S. History (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 (one credit),</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 (one credit),</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>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1997-98, continued**

Discipline	Minimum Graduation Plan (22 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
Science/Social Studies 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>	<b>Not Applicable.</b>	<b>Not Applicable.</b>
Physical Education	<b>One and one-half credits</b> to include Foundations of Personal Fitness (one-half credit). (Limit of 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 of 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 program, 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 of 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>
Health Education	<b>One-half credit.</b>	<b>One-half credit.</b>	<b>One-half credit.</b>
Languages Other Than English*	<b>None.</b>	<b>Two credits</b> in the same language.	<b>Three credits</b> in the same language.
Fine Arts*	<b>None.</b>	<b>One credit.</b>  (Speech may not substitute.)	<b>One credit.</b>  (Speech may not substitute.)
Speech	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Introduction to Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Introduction to Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Introduction to Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>

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**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1997-98, continued**

Discipline	Minimum Graduation Plan (22 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
Technology Applications*	<p><b>One credit</b> selected from either: <u>Essential Elements Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul> <p><u>Or TEKS Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems,</li> <li>• Communications Graphics, or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>	<p><b>One credit</b> selected from either: <u>Essential Elements Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul> <p><u>Or TEKS Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer lab-based),</li> <li>• Communications Graphics (computer lab-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>	<p><b>One credit</b> selected from either: <u>Essential Elements Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul> <p><u>Or TEKS Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer lab-based),</li> <li>• Communications Graphics (computer lab-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1997-98, continued**

Discipline	Minimum Graduation Plan (22 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
Electives/Additional Components*	<p><b>Five and one-half elective credits</b> Selected from the list of State Board of Education approved courses, Grades 9-12. See Subchapter D of 19 TAC Chapter 75 (relating to Essential Elements-Grades 9-12).</p>	<p><b>Three and one-half credits:</b></p> <p>1. <b>Option I: <u>Mathematics, Science, Elective.</u></b>            A. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit) selected from either:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one and one-half credits).</p> <p>2. <b>Option II: <u>Career and Technology.</u></b> Three and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p>3. <b>Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to three and one-half credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>	<p><b>Two and one-half credits:</b></p> <p>1. <b>Option I: <u>Mathematics, Science, Elective</u></b>            A. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit) selected from either:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one and one-half credits).</p> <p>2. <b>Option II: <u>Career and Technology.</u></b> Two and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p>3. <b>Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to two and one-half credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>
Total Credits	22	24	24

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

## Texas State Graduation Requirements For Students Entering Grade 9 in 1997-1998, continued

Discipline	Minimum Graduation Plan 22 credits	Recommended High School Program 24 credits	Distinguished Achievement Program 24 credits*
Advanced Measures	<b>None.</b>	<b>None.</b>	<p><u>Standards for Approval of Requirements:</u></p> <ul style="list-style-type: none"> <li>• The measures must focus on demonstrated student performance at the college or professional level.</li> <li>• Student performance on advanced measures must be assessed through an external review process.</li> </ul> <p><u>Requirements:</u></p> <ul style="list-style-type: none"> <li>• A student must achieve any combination of four of the following:</li> </ul> <p><u>Original research/project:</u></p> <ul style="list-style-type: none"> <li>• judged by a panel of professionals in the field that is the focus of the project; or</li> <li>• conducted under the direction of mentor(s) and reported to an appropriate audience; and</li> <li>• related to the required curriculum set forth in 19 TAC §74.1 (relating to Essential Knowledge and Skills).</li> </ul> <p><u>Test data:</u></p> <ul style="list-style-type: none"> <li>• a score of three or above on The College Board Advanced Placement examination;</li> <li>• a score of four or above on an International Baccalaureate examination;</li> <li>• 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.</li> </ul> <p><u>College courses:</u></p> <ul style="list-style-type: none"> <li>• a grade of 3.0 or higher on courses that count for college credit, including tech prep programs.</li> </ul> <p><u>License:</u></p> <ul style="list-style-type: none"> <li>• a license awarded by a professional board or association. (This item may count for only one advanced measure, regardless of the number of licenses received.)</li> </ul>
Total Credits	<b>22</b>	<b>24</b>	<b>24</b>

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\* College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

## Texas State Graduation Requirements For Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97

Discipline	Minimum Graduation Plan (21 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
English Language Arts and Reading*	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</li> <li>• The fourth credit of English may be satisfied by either:               <ul style="list-style-type: none"> <li>• English IV,</li> <li>• English IV (Academic),</li> <li>• Introduction to Speech Communication,</li> <li>• Research/Technical Writing,</li> <li>• Creative/Imaginative Writing,</li> <li>• Practical Writing Skills,</li> <li>• Literary Genres,</li> <li>• Business Communication,</li> <li>• Debate,</li> <li>• Journalism, or</li> <li>• Concurrent enrollment in a college English course.</li> </ul> </li> </ul>	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, IV;</li> <li>• or a passing score on an appropriate end-of-course assessment.</li> </ul>	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, IV</li> <li>• or a passing score on an appropriate end-of-course assessment.</li> </ul>
Mathematics*	<p><b>Three credits.</b></p>	<p><b>Three credits</b> must consist of:</p> <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry;</li> <li>• or a passing score on an appropriate end-of-course assessment.</li> </ul>	<p><b>Three credits</b> must consist of:</p> <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry;</li> <li>• or a passing score on an appropriate end-of-course assessment.</li> </ul>
Science*	<p><b>Two credits</b> selected from the State Board of Education approved science courses, Grades 9-12, Subchapter D of 19 TAC Chapter 75 (relating to Essential Elements-Grades 9-12).</p>	<p><b>Three credits</b> selected from:</p> <ul style="list-style-type: none"> <li>• Physical Science,</li> <li>• Biology I and II,</li> <li>• Chemistry I and II,</li> <li>• Physics I and II,</li> <li>• Science III and IV, or</li> <li>• a passing score on an appropriate end-of-course assessment.</li> </ul> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>	<p><b>Three credits</b> selected from :</p> <ul style="list-style-type: none"> <li>• Physical Science,</li> <li>• Biology I and II,</li> <li>• Chemistry I and II,</li> <li>• Physics I and II,</li> <li>• Science III and IV, or</li> <li>• a passing score on an appropriate end-of-course assessment.</li> </ul> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements**  
**For Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97, continued**

Discipline	Minimum Graduation Plan (21 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
Social Studies*	<b>Two and one-half credits</b> must consist of : <ul style="list-style-type: none"> <li>• World History Studies or World Geography Studies (one credit),</li> <li>• U.S. History (one credit), and</li> <li>• U.S. Government (one-half credit).</li> </ul>	<b>Four credits</b> must consist of: <ul style="list-style-type: none"> <li>• U.S. History (one credit),</li> <li>• World History Studies (one credit),</li> <li>• World Geography Studies (one credit),</li> <li>• U.S. Government (one-half credit),</li> <li>• Economics (one-half credit).</li> </ul>	<b>Four credits</b> must consist of: <ul style="list-style-type: none"> <li>• U.S. History (one credit),</li> <li>• World History Studies (one credit),</li> <li>• World Geography Studies (one credit),</li> <li>• U.S. Government (one-half credit),</li> <li>• Economics (one-half credit).</li> </ul>
Economics with emphasis on the free enterprise system and its benefits*	<b>One-half credit.</b>	Combined with Social Studies requirement.	Combined with Social Studies requirement.
Physical Education	<b>One and one-half credits</b> (Limit of 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> (Limit of 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 credit:s</b> (Limit of 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>
Health Education	<b>One-half credit.</b>	<b>One-half credit</b> or a passing score on an appropriate end-of-course exam.	<b>One-half credit</b> or a passing score on an appropriate end-of-course exam.
Languages Other Than English*	<b>None.</b>	<b>Three credits</b> in the same language or a passing score on a second-language proficiency assessment.	<b>Three credits</b> in the same language or a passing score on a second-language proficiency assessment.
Fine Arts*	<b>None.</b>	<b>One credit</b> or a passing score on an appropriate end-of-course assessment.  (Speech may not substitute.)	<b>One credit</b> or a passing score on an appropriate end-of-course assessment.  (Speech may not substitute.)
Speech	<b>None.</b>	<b>None.</b>	<b>None.</b>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97, continued**

Discipline	Minimum Graduation Plan (21 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
Technology Applications*	None.	<b>One credit</b> selected from either: <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul>	<b>One credit</b> selected from either: <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97, continued**

Discipline	Minimum Graduation Plan (21 Credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
Electives/Additional Components*	<p><b>Seven elective credits</b> selected from the list of State Board of Education approved courses, Grades 9-12. See Subchapter D of 19 TAC Chapter 75 (relating to Essential Elements-Grades 9-12).</p>	<p><b>Three credits:</b></p> <p>1. <b>Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and</li> <li>• Either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit). The credit must be selected from either:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one credit).</p> <p>2. <b>Option II: <u>Career and Technology.</u></b> The student must demonstrate proficiency equivalent to three credits in a coherent sequence of courses for career and technology preparation.</p> <p>3. <b>Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to three credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>	<p><b>Three credits:</b></p> <p>1. <b>Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and</li> <li>• either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit). Selected from:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one credit).</p> <p>2. <b>Option II: <u>Career and Technology.</u></b> Three credits in a coherent sequence of courses for career and technology preparation.</p> <p>3. <b>Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to three credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>
Total Credits	<b>21</b>	<b>24</b>	<b>24</b>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements  
For Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97, continued**

Discipline	Minimum Graduation Plan (21 credits)*	Recommended High School Program (24 credits)*	Distinguished Achievement Program (24 credits)*
Advanced Measures	<b>None.</b>	<b>None.</b>	<p><u>Standards for Approval of Requirements:</u></p> <ul style="list-style-type: none"> <li>• The measures must focus on demonstrated student performance at the college or professional level.</li> <li>• Student performance on advanced measures must be assessed through an external review process.</li> </ul> <p><u>Requirements:</u></p> <ul style="list-style-type: none"> <li>• A student must achieve any combination of four of the following:</li> </ul> <p><u>Original research/project:</u></p> <ul style="list-style-type: none"> <li>• judged by a panel of professionals in the field that is the focus of the project; or</li> <li>• conducted under the direction of mentor(s) and reported to an appropriate audience; and</li> <li>• related to the required curriculum set forth in 19 TAC §74.1 (relating to Essential Knowledge and Skills).</li> </ul> <p><u>Test data:</u></p> <ul style="list-style-type: none"> <li>• a score of three or above on The College Board Advanced Placement examination;</li> <li>• a score of four or above on an International Baccalaureate examination;</li> <li>• 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.</li> </ul> <p><u>College courses:</u></p> <ul style="list-style-type: none"> <li>• a grade of 3.0 or higher on courses that count for college credit, including tech prep programs.</li> </ul> <p><u>License:</u></p> <ul style="list-style-type: none"> <li>• a license awarded by a professional board or association. (This item may count for only one advanced measure, regardless of the number of licenses received.)</li> </ul>
Total Credits	<b>21</b>	<b>24</b>	<b>24</b>

\* College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

## Texas State Graduation Requirements

### A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter Minimum High School Programs

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Minimum Graduation Plan (21 Credits)*	Freshmen of 1997-98 Minimum Graduation Plan (22 Credits)*	Freshmen of 1998-99 and Thereafter Minimum Graduation Plan (22 Credits)
English Language Arts and Reading*	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</li> <li>• The fourth credit of English may be satisfied by either:                             <ul style="list-style-type: none"> <li>• English IV,</li> <li>• English IV (Academic),</li> <li>• Introduction to Speech Communication,</li> <li>• Research/Technical Writing,</li> <li>• Creative/Imaginative Writing,</li> <li>• Practical Writing Skills,</li> <li>• Literary Genres,</li> <li>• Business Communication,</li> <li>• Debate,</li> <li>• Journalism, or</li> <li>• Concurrent enrollment in a college English course.</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>• The fourth credit of English may be satisfied by either:                             <ul style="list-style-type: none"> <li>• English IV,</li> <li>• English IV (Academic),</li> <li>• Research/Technical Writing,</li> <li>• Creative/Imaginative Writing,</li> <li>• Practical Writing Skills,</li> <li>• Literary Genres,</li> <li>• Business Communication,</li> <li>• Journalism, or</li> <li>• Concurrent enrollment in a college English course.</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> <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,</li> <li>• Journalism, or</li> <li>• Concurrent enrollment in a college English course.</li> </ul> </li> </ul>
Mathematics*	<b>Three credits.</b>	<b>Three credits</b> to include Algebra I.	<b>Three credits</b> to include Algebra I.
Science*	<b>Two credits</b> selected from the State Board of Education approved science courses, Grades 9-12, Subchapter D of 19 TAC Chapter 75 (relating to Essential Elements-Grades 9-12).	<b>Two credits</b> to include one from either: <ul style="list-style-type: none"> <li>• Biology I,</li> <li>• Chemistry I, or</li> <li>• Physics I.</li> </ul>	<b>Two credits</b> to include one from either: <ul style="list-style-type: none"> <li>• Biology,</li> <li>• Chemistry, or</li> <li>• Physics.</li> </ul>
Social Studies*	<b>Two and one-half credits</b> must consist of : <ul style="list-style-type: none"> <li>• World History Studies or World Geography Studies (one credit),</li> <li>• U.S. History (one credit), and</li> <li>• U.S. Government (one-half credit).</li> </ul>	<b>Two and one-half credits</b> must consist of : <ul style="list-style-type: none"> <li>• World History Studies or World Geography Studies (one credit),</li> <li>• U.S. History (one credit), and</li> <li>• U.S. Government (one-half credit).</li> </ul>	<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>
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>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

## Texas State Graduation Requirements

**A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter  
Minimum High School Programs, continued**

<b>Discipline</b>	<b>Freshmen of 1994-95, 1995-96, and 1996-97 Minimum Graduation Plan (21 Credits)*</b>	<b>Freshmen of 1997-98 Minimum Graduation Plan (22 Credits)*</b>	<b>Freshmen of 1998-99 and Thereafter Minimum Graduation Plan (22 Credits)</b>
Science/Social Studies Elective (1997-98)* Or Academic Elective* (1998-99+)	<b>None.</b>	<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>	<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>
Physical Education	<b>One and one-half credits</b> (Limit of 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 of 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 of 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>
Health Education	<b>One-half credit.</b>	<b>One-half credit.</b>	<b>One-half credit</b> or Health Science Technology (one credit).
Languages Other Than English*	<b>None.</b>	<b>None.</b>	<b>None.</b>
Fine Arts*	<b>None.</b>	<b>None.</b>	<b>None.</b>
Speech	<b>None.</b>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Introduction to Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>

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**Texas State Graduation Requirements  
A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter**

## Minimum High School Programs, continued

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Minimum Graduation Plan (21 Credits)*	Freshmen of 1997-98 Minimum Graduation Plan (22 Credits)*	Freshmen of 1998-99 and Thereafter Minimum Graduation Plan (22 Credits)
Technology Applications*	None.	<p><b>One credit</b> selected from either:</p> <p><u>Essential Elements Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul> <p><u>Or TEKS Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management. and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems,</li> <li>• Communications Graphics, or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>	<p><b>One credit</b> selected from either:</p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management. And Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer lab-based),</li> <li>• Communication Graphics (computer lab-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>
Electives/Additional Components*	<b>Seven elective credits</b> selected from the list of State Board of Education approved courses, Grades 9-12. See Subchapter D of 19 TAC Chapter 75 (relating to Essential Elements-Grades 9-12).	<b>Five and one-half elective credits</b> Selected from the list of State Board of Education approved courses, Grades 9-12. See Subchapter D of 19 TAC Chapter 75 (relating to Essential Elements-Grades 9-12).	<b>Five and one-half elective credits</b> selected from either: <ul style="list-style-type: none"> <li>• courses approved by SBOE for Grades 9-12 as specified under 19 TAC §74.1 (relating to Essential Knowledge and Skills);</li> <li>• Reserve Officer Training Corps (ROTC) (one to four credits); or</li> <li>• Driver Education (one-half credit).</li> </ul>
Total Credits	<b>21</b>	<b>22</b>	<b>22</b>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements**  
**A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter**  
**Recommended High School Programs**

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Recommended High School Program (24 Credits)*	Freshmen of 1997-98 Recommended High School Program (24 Credits)*	Freshmen of 98-99 and Thereafter Recommended High School Program (24 Credits)
English Language Arts and Reading*	<b>Four credits</b> must consist of: <ul style="list-style-type: none"> <li>English I, II, III, IV;</li> <li>or a passing score on an appropriate end-of-course assessment.</li> </ul>	<b>Four credits</b> must consist of: <ul style="list-style-type: none"> <li>English I, II, III, IV.</li> </ul>	<b>Four credits</b> must consist of: <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*	<b>Three credits</b> must consist of: <ul style="list-style-type: none"> <li>Algebra I,</li> <li>Algebra II, and</li> <li>Geometry;</li> <li>or a passing score on an appropriate end-of-course assessment.</li> </ul>	<b>Three credits</b> must consist of: <ul style="list-style-type: none"> <li>Algebra I,</li> <li>Algebra II, and</li> <li>Geometry.</li> </ul>	<b>Three credits</b> must consist of: <ul style="list-style-type: none"> <li>Algebra I,</li> <li>Algebra II, and</li> <li>Geometry.</li> </ul>
Science*	<b>Three credits</b> selected from: <ul style="list-style-type: none"> <li>Physical Science,</li> <li>Biology I and II,</li> <li>Chemistry I and II,</li> <li>Physics I and II,</li> <li>Science III and IV, or</li> </ul> <p>A passing score on an appropriate end-of-course assessment.</p> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>	<b>Three credits</b> selected from: <ul style="list-style-type: none"> <li>Physical Science,</li> <li>Biology I and II,</li> <li>Chemistry I and II,</li> <li>Physics I and II, or</li> <li>Science III and IV.</li> </ul> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>	<b>Three credits</b> selected from four specified areas as indicated below. (No more than one credit may be chosen from each of the four areas.) <ul style="list-style-type: none"> <li>Integrated Physics and Chemistry;</li> <li>Biology, AP Biology, or IB Biology;</li> <li>Chemistry, AP Chemistry, or IB Chemistry;</li> <li>Physics, Principles of Technology I, AP Physics, or IB Physics.</li> </ul> <p>Students are encouraged to take Biology, Chemistry, and Physics.</p>
Social Studies*	<b>Four credits</b> must consist of: <ul style="list-style-type: none"> <li>U.S. History (one credit),</li> <li>World History Studies (one credit),</li> <li>World Geography Studies (one credit),</li> <li>U.S. Government (one-half credit),</li> <li>Economics (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 (one credit),</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*	Combined with Social Studies requirement.	<b>One-half credit.</b>	<b>One-half credit.</b>

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**Texas State Graduation Requirements**

**A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter  
Recommended High School Programs, continued**

<b>Discipline</b>	<b>Freshmen of 1994-95, 1995-96, and 1996-97 Recommended High School Program (24 Credits)*</b>	<b>Freshmen of 1997-98 Recommended High School Program (24 Credits)*</b>	<b>Freshmen of 1998-99 and Thereafter Recommended High School Program (24 Credits)</b>
Science/Social Studies Elective* Academic Elective*	<b>Not Applicable.</b>	<b>Not Applicable.</b>	<b>Not Applicable.</b>
Physical Education	<b>None.</b>	<b>None.</b>	<b>None.</b>
Physical Education	<b>One and one-half credits</b> (Limit of 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 program, 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 of 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 program, 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 of 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 program, or</li> <li>• certain career and technology education courses.</li> </ul>
Health Education	<b>One-half credit</b> or a passing score on an appropriate end-of-course assessment.	<b>One-half credit.</b>	<b>One-half credit</b> or Health Science Technology (one credit).
Languages Other Than English*	<b>Three credits</b> in the same language or a passing score on a second-language proficiency assessment.	<b>Two credits</b> in the same language.	<b>Two credits</b> must consist of Level I and Level II in the same language.
Fine Arts*	<b>One credit</b> or a passing score on an appropriate end-of-course assessment.  (Speech may not substitute.)	<b>One credit.</b>  (Speech may not substitute.)	<b>One credit.</b>  (Speech may not substitute.)
Speech	<b>None.</b>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Introduction to Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>

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**Texas State Graduation Requirements  
A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter**

## Recommended High School Programs, continued

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Recommended High School Program (24 credits)*	Freshmen of 1995-96 Recommended High School Program (24 credits)*	Freshmen of 1998-99 and Thereafter Recommended High School Program (24 credits)
Technology Applications*	<p><b>One credit</b> selected from either:</p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul>	<p><b>One credit</b> selected from either:</p> <p><u>Essential Elements Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul> <p><u>Or TEKS Courses</u></p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer lab-based),</li> <li>• Communications Graphics (computer lab-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>	<p><b>One credit</b> selected from either:</p> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer lab-based),</li> <li>• Communication Graphics (computer lab-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

Texas State Graduation Requirements

A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter

Recommended High School Programs, continued

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Recommended High School Program (24 credits)*	Freshmen of 1997-98 Recommended High School Program (24 credits)*	Freshmen of 1998-99 and Thereafter Recommended High School Program (24 credits)
Additional Components*	<p><b>Three credits:</b></p> <p><b>2. Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit). The credit must be selected from either:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one credit).</p> <p><b>2. Option II: <u>Career and Technology.</u></b> The student must demonstrate proficiency equivalent to three credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>3. Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to three credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>	<p><b>Three and one-half credits:</b></p> <p><b>2. Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit). The credit must be selected from either:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one and one-half credits).</p> <p><b>2. Option II: <u>Career and Technology.</u></b> The student must demonstrate proficiency equivalent to three and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>3. Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to three and one-half credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>	<p><b>Three and one-half credits:</b></p> <p><b>1. Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit) must be Precalculus.</p> <p>B. Science (one credit) selected from either:</p> <ul style="list-style-type: none"> <li>• Integrated Physics and Chemistry;</li> <li>• Biology, AP Biology, or IB Biology;</li> <li>• Environmental Systems, IB Environmental Systems; or AP Environmental Science;</li> <li>• Chemistry, AP Chemistry, or IB Chemistry;</li> <li>• Aquatic Science;</li> <li>• Physics, AP Physics, or IB Physics;</li> <li>• Astronomy;</li> <li>• Geology, Meteorology, and Oceanography;</li> <li>• Scientific Research and Design;</li> <li>• Anatomy and Physiology of Human Systems;</li> <li>• Medical Microbiology;</li> <li>• Pathophysiology; or</li> <li>• Principles of Technology I and Principles of Technology II.</li> </ul> <p>C. Elective (one and one-half credits).</p> <p><b>2. Option II: <u>Career and Technology.</u></b> Three and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>3. Option III: <u>Academic.</u></b> Three and one-half credits in state-approved courses in:</p> <ul style="list-style-type: none"> <li>• language arts,</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>
Total Credits	<b>24</b>	<b>24</b>	<b>24</b>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

## Texas State Graduation Requirements

### A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter Distinguished Achievement Programs

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Distinguished Achievement Program (24 Credits)*	Freshmen of 1997-98 Distinguished Achievement Program (24 Credits)*	Freshmen of 1998-99 and Thereafter Distinguished Achievement Program (24 Credits)
English Language Arts and Reading*	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, IV</li> <li>• or a passing score on an appropriate end-of-course assessment.</li> </ul>	<p><b>Four credits:</b></p> <ul style="list-style-type: none"> <li>• English I, II, III, and IV.</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> must consist of:</p> <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry;</li> <li>• or a passing score on an appropriate end-of-course assessment.</li> </ul>	<p><b>Three credits</b> must consist of:</p> <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry.</li> </ul>	<p><b>Three credits</b> must consist of:</p> <ul style="list-style-type: none"> <li>• Algebra I,</li> <li>• Algebra II, and</li> <li>• Geometry.</li> </ul>
Science*	<p><b>Three credits</b> selected from:</p> <ul style="list-style-type: none"> <li>• Physical Science,</li> <li>• Biology I and II,</li> <li>• Chemistry I and II,</li> <li>• Physics I and II,</li> <li>• Science III and IV, or</li> <li>• a passing score on an appropriate end-of-course assessment.</li> </ul> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>	<p><b>Three credits</b> selected from:</p> <ul style="list-style-type: none"> <li>• Physical Science,</li> <li>• Biology I and II,</li> <li>• Chemistry I and II,</li> <li>• Physics I and II,</li> <li>• Science III and IV.</li> </ul> <p>No more than two credits may be taken from any combination of Physical Science, Science III and IV, and Biology I.</p>	<p><b>Three credits</b> selected from four specified areas as indicated below. (No more than one credit can be chosen from each of the four areas.)</p> <ul style="list-style-type: none"> <li>• Integrated Physics and Chemistry;</li> <li>• Biology, AP Biology, or IB Biology;</li> <li>• Chemistry, AP Chemistry, or IB Chemistry;</li> <li>• Physics, Principles of Technology I, AP Physics, or IB Physics.</li> </ul> <p>Students are encouraged to take Biology, Chemistry, and Physics.</p>
Social Studies*	<p><b>Four credits</b> must consist of:</p> <ul style="list-style-type: none"> <li>• U.S. History (1 credit),</li> <li>• World History Studies (1 credit),</li> <li>• World Geography Studies (1 credit),</li> <li>• U.S. Government (1/2 credit),</li> <li>• Economics (1/2 credit).</li> </ul>	<p><b>Three and one-half credits</b> 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 (one credit),</li> <li>• U.S. Government (one-half credit).</li> </ul>	<p><b>Three and one-half credits</b> 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>

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## Texas State Graduation Requirements

### A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter Distinguished Achievement Programs, continued

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Distinguished Achievement Program (24 Credits)*	Freshmen of 1997-98 Distinguished Achievement Program (24 Credits)*	Freshmen of 1998-99 and Thereafter Distinguished Achievement Program (24 Credits)
Economics with emphasis on the free enterprise system and its benefits*	Combined with Social Studies requirement.	<b>One-half credit.</b>	<b>One-half credit.</b>
Physical Education	<b>One and one-half credits:</b> (Limit of 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 of 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 of 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>
Health Education	<b>One-half credit</b> or a passing score on an appropriate end-of-course exam.	<b>One-half credit.</b>	<b>One-half credit</b> or Health Science Technology (one credit).
Languages Other Than English*	<b>Three credits</b> in the same language or a passing score on a second language proficiency assessment.	<b>Three credits</b> in the same language.	<b>Three credits</b> must consist of Level I, Level II, and Level III in the same language.
Fine Arts*	<b>One credit</b> in fine arts or a passing score on an appropriate end-of-course assessment.  (Speech may not substitute.)	<b>One credit.</b>  (Speech may not substitute.)	<b>One credit.</b>  (Speech may not substitute.)

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## Texas State Graduation Requirements

**A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter  
Distinguished Achievement Programs, continued**

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Distinguished Achievement Program (24 Credits)*	Freshmen of 1997-98 Distinguished Achievement Program (24 Credits)*	Freshmen of 1998-99 and Thereafter Distinguished Achievement Program (24 Credits)
Speech	None.	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Introduction to Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>	<b>One-half credit</b> selected from either: <ul style="list-style-type: none"> <li>• Communication Applications,</li> <li>• Speech Communication,</li> <li>• Public Speaking,</li> <li>• Debate, or</li> <li>• Oral Interpretation.</li> </ul>
Technology Applications*	<b>One credit</b> selected from either: <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul>	<b>One credit</b> selected from either: <u>Essential Elements Courses</u> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Business Computer Applications I or II,</li> <li>• Business Computer Programming I or II,</li> <li>• Computer Applications,</li> <li>• Microcomputer Applications,</li> <li>• Business Information Processing,</li> <li>• Computer Mathematics, or</li> <li>• Industrial Technology Computer Applications.</li> </ul> Or <u>TEKS Courses</u> <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer lab-based),</li> <li>• Communications Graphics (computer lab-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>	<b>One credit</b> selected from either: <ul style="list-style-type: none"> <li>• Computer Science I or II,</li> <li>• Desktop Publishing,</li> <li>• Digital Graphics/Animation,</li> <li>• Multimedia,</li> <li>• Video Technology,</li> <li>• Web Mastering,</li> <li>• Independent Study in Technology Applications,</li> <li>• Business Image Management. and Multimedia,</li> <li>• Telecommunications and Networking,</li> <li>• Business Computer Information Systems I or II,</li> <li>• Business Computer Programming,</li> <li>• Computer Applications,</li> <li>• Technology Systems (computer lab-based),</li> <li>• Communications Graphics (computer lab-based), or</li> <li>• Computer Multimedia and Animation Technology.</li> </ul>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

**Texas State Graduation Requirements  
A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter  
Distinguished Achievement Programs, continued**

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Distinguished Achievement Program (24 Credits)*	Freshmen of 1997-98 Distinguished Achievement Program (24 Credits)*	Freshmen of 1998-99 and Thereafter Distinguished Achievement Program (24 Credits)
Additional Components*	<p><b>Three credits:</b></p> <p><b>2. Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>B. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit). Selected from:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one credit).</p> <p><b>2. Option II: <u>Career and Technology.</u></b></p> <p>Three credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>3. Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to three credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>	<p><b>Two and one-half credits:</b></p> <p><b>2. Option I: <u>Mathematics, Science, Elective</u></b></p> <p>A. Mathematics (one credit). The credit must consist of:</p> <ul style="list-style-type: none"> <li>• Precalculus (one credit); or</li> <li>• Trigonometry (one-half credit); and either Elementary Analysis (one-half credit) or Analytic Geometry (one-half credit).</li> </ul> <p>B. Science (one credit). Selected from:</p> <ul style="list-style-type: none"> <li>• Biology I or II,</li> <li>• Chemistry I or II,</li> <li>• Physics I or II, or</li> <li>• Science III or IV.</li> </ul> <p>A student may not take more than two credits from any combination of Physical Science, Science III and IV, and Biology I.</p> <p>C. Elective (one and one-half credits).</p> <p><b>2. Option II: <u>Career and Technology.</u></b></p> <p>Two and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>3. Option III: <u>Specialization.</u></b> The student must demonstrate proficiency equivalent to two and one-half credits in a specialization consisting of state-approved, college-preparatory courses from:</p> <ul style="list-style-type: none"> <li>• language arts (including speech and journalism),</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>	<p><b>Two and one-half credits:</b></p> <p><b>1. Option I: <u>Mathematics, Science, Elective.</u></b></p> <p>A. Mathematics (one credit) must be Precalculus.</p> <p>B. Science (one credit) must be selected from either:</p> <ul style="list-style-type: none"> <li>• Integrated Physics and Chemistry;</li> <li>• Biology, AP Biology, or IB Biology;</li> <li>• Environmental Systems, IB Environmental Systems, or AP Environmental Science;</li> <li>• Chemistry, AP Chemistry, or IB Chemistry;</li> <li>• Aquatic Science;</li> <li>• Physics, AP Physics, or IB physics;</li> <li>• Astronomy;</li> <li>• Geology, Meteorology, and Oceanography;</li> <li>• Scientific Research and Design;</li> <li>• Anatomy and Physiology of Human Systems;</li> <li>• Medical Microbiology;</li> <li>• Pathophysiology; or</li> <li>• Principles of Technology I and Principles of Technology II.</li> </ul> <p>C. Elective (one-half credit).</p> <p><b>3. Option II: <u>Career and Technology.</u></b></p> <p>Two and one-half credits in a coherent sequence of courses for career and technology preparation.</p> <p><b>4. Option III: <u>Academic.</u></b></p> <p>Two and one-half credits in state-approved courses in</p> <ul style="list-style-type: none"> <li>• language arts,</li> <li>• science,</li> <li>• social studies,</li> <li>• mathematics,</li> <li>• languages other than English,</li> <li>• fine arts, or</li> <li>• technology applications.</li> </ul>

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## Texas State Graduation Requirements

### A Comparison of Graduation Plans for Students Entering Grade 9 in 1994-95, 1995-96, and 1996-97; 1997-98; and 1998-99 and Thereafter Distinguished Achievement Programs, continued

Discipline	Freshmen of 1994-95, 1995-96, and 1996-97 Distinguished Achievement Program (24 Credits)*	Freshmen of 1997-98 Distinguished Achievement Program (24 Credits)*	Freshmen of 1998-99 and Thereafter Distinguished Achievement Program (24 Credits)
Advanced Measures	<p><u>Standards for Approval of Requirements:</u></p> <ul style="list-style-type: none"> <li>The measures must focus on demonstrated student performance at the college or professional level.</li> <li>Student performance on advanced measures must be assessed through an external review process.</li> </ul> <p><u>Requirements:</u></p> <ul style="list-style-type: none"> <li>A student must achieve any combination of four of the following:</li> </ul> <p><u>Original research/project:</u></p> <ul style="list-style-type: none"> <li>judged by a panel of professionals in the field that is the focus of the project; or</li> <li>conducted under the direction of mentor(s) and reported to an appropriate audience; and</li> <li>related to the required curriculum set forth in 19 TAC §74.1 (relating to Essential Knowledge and Skills).</li> </ul> <p><u>Test data:</u></p> <ul style="list-style-type: none"> <li>a score of three or above on The College Board Advanced Placement examination;</li> <li>a score of four or above on an International Baccalaureate examination;</li> <li>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.</li> </ul> <p><u>College courses:</u></p> <ul style="list-style-type: none"> <li>a grade of 3.0 or higher on courses that count for college credit, including tech prep programs.</li> </ul> <p><u>License:</u></p> <ul style="list-style-type: none"> <li>a license awarded by a professional board or association. (This item may count for only one advanced measure, regardless of the number of licenses received.)</li> </ul>		<p><u>Standards for Approval of Requirements:</u></p> <ul style="list-style-type: none"> <li>The measures must focus on demonstrated student performance at the college or professional level.</li> <li>Student performance on advanced measures must be assessed through an external review process.</li> </ul> <p><u>Requirements:</u></p> <ul style="list-style-type: none"> <li>A student must achieve any combination of four of the following:</li> </ul> <p><u>Original research/project:</u></p> <ul style="list-style-type: none"> <li>judged by a panel of professionals in the field that is the focus of the project; or</li> <li>conducted under the direction of mentor(s) and reported to an appropriate audience; or</li> <li>related to the required curriculum set forth in 19 TAC §74.1 (relating to Essential Knowledge and Skills);</li> <li>may not be used for more than two of the four advanced measures.</li> </ul> <p><u>Test data:</u></p> <ul style="list-style-type: none"> <li>a score of three or above on The College Board Advanced Placement examination;</li> <li>a score of four or above on an International Baccalaureate examination;</li> <li>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.</li> </ul> <p><u>College courses:</u></p> <ul style="list-style-type: none"> <li>a grade of 3.0 or higher on courses that count for college credit, including tech prep programs.</li> </ul>
Total Credits	<b>24</b>	<b>24</b>	<b>24</b>

Students who entered grade 9 in prior years may complete graduation programs approved in subsequent years and may earn the appropriate seals on their transcripts. \*19 TAC Chapter 75 (relating to Essential Elements, Grades 9-12) has been repealed. Students must select courses available in 19 TAC Chapters 110-128. \*College Board advanced placement and International Baccalaureate courses may be substituted for requirements in appropriate areas.

