

**HOUSTON ISD GRADUATION REQUIREMENTS SIDE-BY-SIDE 19 TAC §74.12** (Houston ISD, rev. 1/26/16) Per HISD Board Policy EIF (EXHIBIT) effective April 11, 2014

Course	Current Graduation Plans (for 9th graders entering in SY 2012-2013 & 2013-2014)			HB 5 Graduation Plans (for 9th graders entering Fall 2014 and later)	
	Minimum	Recommended	Distinguished	FOUNDATION 2014-15	+ ENDORSEMENT
ELA	English 1	English 1	English 1	English 1 or English SOL 1	
	English 2	English 2	English 2	English 2 or English SOL 2	
	English 3	English 3	English 3	English 3	
	English 4 or ELA Elective	English 4	English 4	Additional ELA (see list)	
Math	Algebra 1	Algebra 1	Algebra 1	Algebra 1	
	Geometry	Geometry	Geometry	Geometry	
		Algebra 2	Algebra 2	Algebra 2	
	Math Elective	Math Elective	Math Elective		Advanced Math Elective (see list)
Science	IPC (or Chem & Physics)	IPC or Science Elective	Science Elective	Biology	
	Biology	Biology	Biology	Chemistry or Adv Science (see list)	
		Chemistry	Chemistry	Physics or Adv Science (see list)	
		Physics	Physics		Physics or Adv Science Elec (see list)
Social Studies	World Geography <i>or</i> World History	World Geography	World Geography	World Geography	
	US History	US History	US History	US History	
	US Gov't / Economics	US Gov't / Economics	US Gov't / Economics	US Gov't / Economics	
PE	1 credit	1 credit	1 credit	1 credit	
Foreign Language		1st Year	1st Year	1st Year	
		2nd Year	2nd Year	2nd Year	
			3rd Year		
Fine Arts	1 credit	1 credit	1 credit	1 credit	
Speech	Comm. Apps - ½ credit	Comm. Apps - ½ credit	Comm. Apps - ½ credit		
Health	Health (local) - ½ credit	Health (local) - ½ credit	Health (local) - ½ credit	Health (local) - ½ credit	
Electives	1 credit	1 credit	1 credit	1 credit	
	1 credit	1 credit	1 credit	1 credit	
	1 credit	1 credit	1 credit	1 credit	
	1 credit	1 credit	1 credit	½ credit	
	1 credit	1 credit			Endorsement Elective
	1 credit				Endorsement Elective
	1 credit				
<b>Total Credits</b>	<b>22 credits</b>	<b>26 credits</b>	<b>26 credits</b>	<b>22 credits</b>	<b>26 credits</b>

### English Language Arts

- English 4
- Independent Study in English
- Literary Genres
- Creative Writing
- Research and Technical Writing
- Humanities
- Public Speaking 3
- Speech (½ credit + ½ cr. add'l ELA)
- Oral Interpretation 3
- Debate 3
- Independent Study in Speech
- Independent Study in Journalism
- Adv. Broadcast Journalism 3
- Adv. Journalism: Newspaper 3
- Adv. Journalism: Yearbook 3
- AP English Literature & Comp.
- IB Language Studies A1 HL
- a locally developed ELA course (w/ apprenticeship & certification)
- Business English
- a locally-developed college preparatory ELA course

### Mathematics

- \* Math Models w/ Applications
- Math Applications in Agriculture, Food, and Natural Resources
- Digital Electronics
- Robotics Programming & Design
- Algebra 2
- Precalculus
- Adv. Quantitative Reasoning
- Independent Study in Math
- Discrete Math for Problem Solving
- Algebraic Reasoning (TEA to create)
- Statistics (TEA to create)
- AP Statistics
- AP Calculus AB
- AP Calculus BC

- AP Computer Science
- IB Math Studies SL
- IB Math SL
- IB Math HL
- IB Further Math HL
- Engineering Math
- Statistics and Risk Management
- Discrete Math for Computer Science
- advanced dual credit course
- a locally developed math course (w/ apprenticeship & certification)
- a locally-developed college preparatory math course

\* Math Models w/ Apps. may not be used as a 4th-year math after the new Algebraic Reasoning and Statistics courses are ready.

### Science

One credit from:

- IPC
- Chemistry
- AP Chemistry
- IB Chemistry
- Physics
- Principles of Technology
- AP Physics 1 (Algebra-based)
- IB Physics

And an additional credit or two combined half credits (also good for Endorsement requirements) from:

- Chemistry
- Physics
- Aquatic Science
- Astronomy
- Earth and Space Science
- Environmental Systems
- AP Biology
- AP Chemistry
- AP Physics 1 (Algebra-based)
- AP Physics 2 (Algebra-based)

- AP Physics C
- AP Environmental Science
- IB Biology
- IB Chemistry
- IB Physics
- IB Environmental Systems
- Advanced Animal Science
- Advanced Plant and Soil Science
- Anatomy and Physiology
- Medical Microbiology
- Pathophysiology
- Food Science
- Forensic Science
- Advanced Biotechnology
- Principals of Technology
- Scientific Research and Design
- Engineering Design and Problem Solving
- Principals of Engineering
- advanced dual credit course
- a locally developed science course (w/ apprenticeship & certification)

Notes: 1) Credit may not be earned for both Physics and Principles of Technology to satisfy the science requirements. 2) Arts & Humanities endorsement may substitute ELA, Social Studies, LOTE, or Fine Arts course for the Science course w/ parent OK.

### Social Studies

Any course(s) in TEKS:

- Chapter 113 (Social Studies)
- Chapter 118 (Economics)

### Foreign Language (LOTE)

- Two credits in the same language
- Two credits in computer programming languages from Computer Science 1, 2, or 3
- One credit in a foreign language and one credit in: Special Topics in Language & Culture, World

History or World Geog. (if both courses are not required by district), LOTE, or computer programming languages, if student is unlikely to be successful in 2nd year language

Note: SpEd and 504 students can substitute TEKS courses in ELA, Math, Science, Social Studies, CTE, or Tech. Apps. for LOTE requirements if designated per ARD/504.

### Physical Education

One credit total from:

- Foundations of Personal Fitness
- Adventure/Outdoor Education
- Aerobic Activities
- Team or Individual Sports
- other TEKS course w/ 100 minutes per week of physical activity
- Athletics
- JROTC
- other Commissioner- and district-approved physical activity programs
- Drill Team
- Marching Band
- Cheerleading
- other core elective if student unable to participate per ARD/504

### Fine Arts

- Art (Levels 1-4, subj. to prereqs.)
- Dance (Levels 1-4, subj. to prereqs.)
- Music (Levels 1-4, subj. to prereqs.)
- Theater (Levels 1-4, subj. to prereqs.)
- Principles of Floral Design
- Digital Art and Animation
- 3-D Modeling and Animation
- Board- and TEA-approved community-based program

Performance acknowledgements for outstanding performance in –

**A. Dual credit** courses by earning:

1. Twelve college hours through dual credit or locally articulated credit with a 3.0 unweighted graded average; or
2. An associate degree while in high school.

**B. Bilingualism and Biliteracy** by:

1. Demonstrating proficiency in two or more languages by ...
  - a. Completing all ELA requirements with an ELA average of 80+; plus one of following:
    - i. Completing three credits in the same language other than English (LOTE) with an average of 80+; or
    - ii. Completing level IV or higher of a LOTE with an average of 80+; or
    - iii. Completion of at least three LOTE credits with an average of 80+; or
    - iv. Demonstrating proficiency in LOTE with
      - an AP exam score of 3+, or
      - an IB exam score of 4+, or
      - a national assessment of language proficiency score of “intermediate high” or better.
  2. Under this section, English language learners must have exited a bilingual or ESL program and have scored “advanced high” on TELPAS.

**C. Advanced Placement (AP) and/or International Baccalaureate (IB) exams** by earning an:

1. AP score of 3+; or
2. IB score of 4+.

**D. PSAT, SAT, ACT, and/or ACT-PLAN exams** by earning on the:

1. PSAT: Commended Scholar, National Merit Semifinalist, National Merit Finalist, National Hispanic Recognition, or National Achievement Scholar status; or
2. SAT: a combined critical reading and mathematics score of 1250+; or
3. ACT: a composite score of 28 (excluding the writing subscore); or
4. ACT-PLAN: a college readiness benchmark score on at least two of the four subject tests.

**E. Business/Industry Certifications or Licenses**, as indicated by obtaining a:

1. Nationally or internationally recognized business or industry certification; or
2. Government-required credential to practice a profession.

Endorsement	Related CTE Career Cluster(s)	Path	Math Elective(s)	Science Elective(s)	Other Elective(s)	Notes
<b>STEM</b>	⊕ Science, Technology, Engineering and Mathematics	<b>A</b>	<ul style="list-style-type: none"> <li>▪ Algebra 2</li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Chemistry</li> <li>▪ Physics</li> </ul>		Coherent sequence of CTE courses for 4+ credits with at least 2 courses in the same career cluster including at least 1 advanced CTE course
		<b>B</b>	<ul style="list-style-type: none"> <li>▪ Algebra 2</li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Chemistry</li> <li>▪ Physics</li> </ul>		Coherent sequence of 4 credits in Computer Science
		<b>C</b>	<ul style="list-style-type: none"> <li>▪ Algebra 2</li> <li>▪ Advanced Math</li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Chemistry</li> <li>▪ Physics</li> </ul>		
		<b>D</b>	<ul style="list-style-type: none"> <li>▪ Algebra 2</li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Chemistry</li> <li>▪ Physics</li> <li>▪ Advanced Science</li> <li>▪ Advanced Science</li> </ul>		
		<b>E</b>	<ul style="list-style-type: none"> <li>▪ Algebra 2</li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Chemistry</li> <li>▪ Physics</li> </ul>		Coherent sequence of 3 additional credits from no more than 2 categories/disciplines in STEM endorsement paths A-D

Endorsement	Related CTE Career Cluster(s)	Path	Math Elective(s)	Science Elective(s)	Other Elective(s)	Notes
<b>Business and Industry</b>	⊕ Agriculture, Food, and Natural Resources	<b>A</b>	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Coherent sequence of CTE courses for 4+ credits with at least 2 courses in the same career cluster including at least 1 advanced CTE course that is third or higher in a sequence	
	⊕ Architecture and Construction					
	⊕ Arts, Audio/Visual Technology, and Communications	<b>B</b>	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four English elective credits to include 3 levels in <u>one</u> of the following areas: <ul style="list-style-type: none"> <li>▪ Adv. Broadcast Journalism</li> <li>▪ Adv. Journalism: Newspaper</li> <li>▪ Public Speaking</li> <li>▪ Debate</li> <li>▪ Adv. Journalism: Yearbook</li> </ul>	
	⊕ Business Management and Administration					
	⊕ Finance	<b>C</b>	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four Technology Apps. credits from: <ul style="list-style-type: none"> <li>▪ Digital Design &amp; Media Prod.</li> <li>▪ Digital Art &amp; Animation</li> <li>▪ 3-D Modeling &amp; Animation</li> <li>▪ Digital Comms. in the 21st Cent.</li> <li>▪ Digital Video &amp; Audio Design</li> <li>▪ Web Communications</li> <li>▪ Web Design</li> <li>▪ Web Game Development</li> <li>▪ Ind.Study - Evolving/Emerging Tech.</li> </ul>	
	⊕ Hospitality and Tourism					
	⊕ Information Technology					
	⊕ Manufacturing					
⊕ Marketing	<b>D</b>	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Locally defined set of 4 credits from Business & Industry endorsement paths A-C in a coherent sequence (must correspond to a student's academic or career goals)		
⊕ Transportation, Distribution, and Logistics						

Endorsement	Related CTE Career Cluster(s)	Path	Math Elective(s)	Science Elective(s)	Other Elective(s)	Notes
Public Services	<ul style="list-style-type: none"> <li>⊕ Education and Training</li> <li>⊕ Government and Public Administration</li> <li>⊕ Health Science</li> <li>⊕ Human Services</li> <li>⊕ Law, Public Safety, Corrections, and Security</li> </ul>	A	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Coherent sequence of CTE courses for 4+ credits with at least 2 courses in the same career cluster including at least 1 advanced CTE course	
		B	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four courses in JROTC	
Arts & Humanities		A	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Two additional Social Studies or Economics courses (for total of 5)	
		B	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four levels in same foreign language (2 beyond Foundation)	
		C	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Two levels in two different foreign languages	
		D	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four levels of American Sign Language (2 beyond Foundation)	
		E	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Coherent sequence of 4 Fine Arts courses from one or two categories/disciplines (3 beyond Foundation)	
		F	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four English credits from: <ul style="list-style-type: none"> <li>▪ English 4</li> <li>▪ Independent Study in English</li> <li>▪ Literary Genres</li> <li>▪ Creative Writing</li> <li>▪ Research and Technical Writing</li> <li>▪ Humanities</li> <li>▪ AP English Literature &amp; Comp.</li> <li>▪ IB Language Studies A1 HL</li> <li>▪ Communication Applications</li> </ul>	

Endorsement	Related CTE Career Cluster(s)	Path	Math Elective(s)	Science Elective(s)	Other Elective(s)	Notes
<b>Multi-disciplinary</b>	⊕ Various	<b>A</b>	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four advanced courses from any one Endorsement area or from among multiple Endorsement areas	
		<b>B</b>	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Chemistry <u>and/or</u></li> <li>▪ Physics</li> </ul>	English 4, Chemistry and/or Physics, <u>and</u> one credit each in Math and Social Studies	
		<b>C</b>	<ul style="list-style-type: none"> <li>▪ Additional Math - <i>*Algebra 2</i></li> <li>▪ Advanced Math</li> </ul>	<ul style="list-style-type: none"> <li>▪ Advanced Science</li> </ul>	Four credits in AP, IB, or dual credit courses selected from English, Math, Science, Social Studies, Economics, LOTE, or Fine Arts	