

Standard and Advanced Graduation Requirements: A 50-State Look

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This report identifies Carnegie units (equating to a year of study) required for high school graduation in the 50 states and the District of Columbia.

At a glance:

Statewide graduation requirements: 47 states and the District of Columbia have minimum statewide high school graduation requirements. The three states that do not have statewide minimum Carnegie unit requirements are Colorado, Massachusetts, and Pennsylvania, though all three have statewide assessment or recommended graduation requirements.

Total units required: These vary broadly, from 13 units in a small number of states to 26 units in Texas (although students will be allowed to opt into a 22-unit pathway).

Advanced diploma options: At least 13 states currently offer an advanced diploma or endorsement on the standard diploma. These vary considerably across states, in terms of whether states offer an academically- or CTE-oriented diploma or endorsement (or both), the number of measures students must meet to earn an advanced diploma or endorsement, how far those measures deviate from those required for the standard diploma, and whether the advanced diploma or endorsement is awarded based on accumulation of additional and/or more rigorous Carnegie units, assessment scores, other achievements, or some combination thereof.

This figure does not include the 8 states – California, Illinois, Louisiana, Minnesota, New Mexico, New York, Texas and Washington – that make available a state seal of biliteracy to students who, in addition to completing high school graduation requirements, have completed certain coursework and/or demonstrated proficiency in a language other than English.

Less rigorous options: 18 states offer a less rigorous alternative to the standard high school diploma.

This analysis does not include:

- **Exit exam requirements.** Approximately half the states currently require students to achieve a minimum score on subject area assessment(s) in addition to completing course requirements.
- **Competency-based alternatives to Carnegie unit requirements.** Approximately 40 states allow students to substitute a locally or state-determined demonstration of competency in a subject for Carnegie unit requirements. These policies vary significantly, with those at one end limiting students to demonstrating competency in a foreign language, to those at the other end completely eliminating references to Carnegie unit in statute or regulation. Additional information on these policies is available on request.

Standard, Advanced and Lower-Level High School Graduation Requirements

* Denotes “personal curriculum” option from standard graduation requirements for general education students – consult November 2014 report “50-state math requirements for the standard high school diploma” for more details.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
Alabama	Standard (Alabama High School Diploma with Advanced Academic Endorsement) (no longer avail. eff. Class of 2017)	4, incl. English 9, 10, 11, 12	4, incl. 1 Algebra I, 1 geometry, 1 Algebra II with Trigonometry	4	4, incl. 1 biology and 1 physical science	1.5, incl. .5 health education and 1 p.e.	.5 arts education	2	3.5	.5 computer applications	-	24	Ala. Admin. Code 290-3-1-.02(8.1)
Alabama	Alternative Standard (Alabama High School Diploma) (no longer avail. eff. Class of 2017)	4, incl. English 9, 10, 11, 12	4, incl. 1 Algebra I, 1 geometry	4	4, incl. 1 biology and 1 physical science	1.5, incl. .5 health education and 1 p.e.	.5 arts education	-	5.5	.5 computer applications	-	24	Ala. Admin. Code 290-3-1-.02(8.1)
Alabama	Advanced (Alabama High School Diploma with Career/Technical Endorsement) (no longer avail. eff. Class of 2017)	4, incl. English 9, 10, 11, 12	4, incl. 1 Algebra I, 1 geometry (1 of 2 unspecified units may be embedded/substituted)	4	4, incl. 1 biology and 1 physical science (1 of 2 unspecified units may be embedded/substituted)	1.5, incl. .5 health education and 1 p.e.	.5 arts education	-	2.5	3.5, incl. 3 CTE and .5 computer applications	-	24	Ala. Admin. Code 290-3-1-.02(8.1)
Alabama	Advanced (Alabama High School Diploma with	4, incl. English 9, 10, 11, 12	4, incl. 1 Algebra I, 1 geometry, 1 Algebra II with Trigonometry (4 th unit may be embedded/subst	4	4, incl. 1 biology and 1 physical science (1 of 2 unspecified units may be embedded/subst	1.5, incl. .5 health education and 1 p.e.	.5 arts education	-	2.5	3.5, incl. 3 CTE and .5 computer applications	-	24	Ala. Admin. Code 290-3-1-.02(8.1)

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
	Advanced Career/Technical Endorsement) (no longer avail. eff. Class of 2017)		ituted)		ituted)								
Alabama	Standard (Eff. Class of 2017, only diploma option)	4 (English 9, 10, 11, 12)	4, incl. 1 Algebra I (or equivalent), 1 geometry (or equivalent), 1 Algebra II w/Trigonometry or Algebra II (or equivalent) and 1 Alabama Course of Study for Mathematics or equivalent/substitute courses from CTE/AP/IB/posts econdary courses/SDE approved courses. (2 total CTE courses may substitute – 1 in math, 1 in science)	4, incl. 1 world history, 1 U.S. history I, 1 U.S. history II, .5 U.S. govt., .5 economics	4, incl. 1 biology, 1 physical science (chemistry, physics, physical science) ¹ , (2 total CTE courses may substitute – 1 in math, 1 in science)	1.5, incl. 1 Lifelong Individualized Fitness Education (LIFE) or JROTC and .5 health education	See below 3 CTE and/or foreign language and/or arts education	See below 3 CTE and/or foreign language and/or arts education	2.5	See below 1 Career Preparedness. In addition, 3 CTE and/or foreign language and/or arts education		24	Ala. Admin. Code r. 290-3-1-.02(8)(a)
Alaska	Standard	4	2 Eff. Class of 2018: 3	3, incl. .5 unit Alaska history	2	1 health/p.e.	-	-	-	-	-	21 (12 specified in reg)	4 AAC 06.075
Arizona *	Standard	4	4 ²	3, incl. 1 American History incl., AZ history, 1 world history/geography, .5 Am. govt., incl. AZ govt., .5 economics	3	-	See below 1 fine arts or CTE	-	7	See below 1 fine arts or CTE	-	22	R7-2-302.02

¹ Equivalent/substitute options may include: CTE/AP/IB/postsecondary courses/SDE approved courses

² Incl. 2 units covering Number Sense and Operations; Data Analysis, Probability and Discrete Mathematics; Patterns, Algebra and Functions; Geometry and Measurement; and Structure and Logic; 1 unit covering Algebra II or course content equivalent to Algebra II (may include career and technical education and vocational education, economics, science, and arts courses as determined by the local board or charter school); 1 unit that includes significant math content as determined by the local board or charter school.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
Arkansas	Standard (Smart Core)	4	4 ³ , incl. Algebra I or Algebra A & B, Geometry or Investigating Geometry or Geometry A & B, Algebra II and 4 th course selected from list	3, incl. 1 world history, 1 U.S. history, .5 civics. .5 economics reqd. and may meet social studies or career focus reqts.	3 lab, chosen from Physical Science, Biology or Applied Biology/Chemistry, Chemistry, Physics or Principles of Technology I & II or PIC Physics	1 .5 p.e. and .5 health and safety	.5 fine arts	-	6 units "Career Focus" .5 economics reqd. and may meet social studies or career focus reqts.	.5 oral communications Eff. Class of 2018, all students must take one digital learning course.		22	Ark. Admin. Code 005.15.2-14.0; Ark. Admin. Code 005.08.6-8.05
	Waiver (Core)	4	4, incl. 1 algebra or equiv. and 1 geometry or equiv. ⁴	3 (same as above) .5 economics reqd. and may meet social studies or career focus reqts.	3, incl. 1 biology or equiv. and 1 physical science	1 .5 p.e. and .5 health and safety	.5 fine arts	-	6 units "Career Focus" .5 economics reqd. and may meet social studies or career focus reqts.	Same		22	
California	Standard	3	2 ⁵ , incl. Algebra I	3, incl. U.S. history and geography; world history, culture and geography; .5 American govt. and civics; .5 economics	2, incl. biological and physical sciences	2 p.e.	See below 1 visual or performing arts, foreign language, or CTE	See below 1 visual or performing arts, foreign language, or CTE	-	See below 1 visual or performing arts, foreign language, or CTE	-	13	West's Ann. Cal. Educ. Code § 51225.3, 51224.5
California	Advanced	California awards the Golden State Seal Merit Diploma to students who complete all graduation requirements and who demonstrate mastery of the curriculum in at least 6 subject areas, 4 of which must be English language arts, math, science and U.S. history, with the 2 remaining subject areas chosen by the student. Specifically:										West's Ann. Cal. Educ. Code § 51450 – 51455; 5 CCR § 876; CA Dept. of Ed. Memo , Dec. 2014	
		<ul style="list-style-type: none"> • ELA: Minimum scaled score of 370 on California Standards Tests (CSTs) taken in grades 9 or 10. • Math: Minimum scaled score of 370 on any of following CSTs taken in grades 8-10: Geometry, Algebra II, Summative High School Mathematics, or Integrated Mathematics 2 or 3 • Science: Minimum scaled score of 370 on any of following CSTs taken in grades 9-10: Biology, Chemistry, Physics, Earth Science, Integrated/Coordinated Science 1, 2, 3, or 4 • U.S. History: Completion of required U.S. history course with minimum 3.5 GPA (weighted or unweighted, determined by LEA) in the course. • Other two subject areas: Chosen from exams listed above (that are not already used to meet eligibility requirements), completion of other high school courses with minimum 3.5 GPA, or exams developed by LEAs or private providers and their qualifying scores. 											
Colorado	Standard	With the exception .5 unit U.S. and state government, all graduation requirements set by local districts. Eff. Class of 2021, all districts must adopt graduation requirements that at a minimum meet the requirements of state board-set graduation guidelines .										CO Const. Art. IX, § 15;	

³ All students in Smart Core curriculum must take a math course in grades 11 or 12 and complete Algebra II.

⁴ All Core curriculum math units must build on the base of algebra and geometry knowledge and skills.

⁵ If district requires more than 2 math courses for graduation, the local board may award up to 1 unit for a computer science course that fulfills A-G admissions requirements for the University of California and the California State University. (West's Ann.Cal.Educ.Code § 51225.35)

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
													C.R.S.A. § 22-1-104
Colorado	Endorsed Diploma	Districts may but are not required to offer a postsecondary and workforce-readiness (PWR) endorsed diploma. To earn a PWR endorsement, students must achieve four indicators: <ul style="list-style-type: none"> • Student is college ready in math and English language arts • Student completes ICAP • Student demonstrates 21st century skills • Student demonstrates mastery of academic content in 3 content areas. This August 2013 document indicates mechanisms by which students may achieve each indicator.											Colorado's Postsecondary and Workforce Readiness (PWR) High School Diploma Endorsement Criteria, revised August 2013
Delaware	Standard	4	4 ⁶ , incl. the equivalent of Algebra I, geometry, Algebra II Eff. Class of 2016: Incl. Algebra II or Integrated Math III	3 Eff. Class of 2016: Incl. 1 U.S. History	3 ⁷ Eff. Class of 2016: Incl. 1 biology	1.5, incl. 1 p.e. and .5 health education	-	2 units same foreign lang. or proficiency	3.5	3 in Career Pathway ⁸	⁹	24	14 Del. Admin. Code 505.3
District of Columbia	Standard	4	4, incl. Algebra I, ¹⁰ geometry, Algebra II	4, incl. World History 1 and 2, U.S. History; U.S. Govt., and D.C. History	4, incl. 3 lab, incl. 1 Biology	1.5 p.e./health	1, incl. .5 art and .5 music	2	3.5	At least 2 of the 24 units must include an LEA-approved College Level or Career Preparatory (CLCP) course	100 hours volunteer comm. service	24	D.C. Mun. Regs. Subt. 5-E, § 2203
Florida	Standard ¹¹	4	4, incl. Algebra I and geometry ¹²	3, incl. 1 World History, 1 U.S.	3, incl. 2 lab, incl. Biology ¹³	1 p.e.	See below	-	8	See below	Min. 2.0 GPA	24	West's F.S.A. §

⁶ A unit in mathematics must be earned during the senior year (both Class of 2015 and Class of 2016 and beyond)

⁷ Scientific investigations related to the State Science Standards must be included in all three science course requirements.

⁸ Defined as 3 units of pre-planned and sequential courses required for graduation, designed to develop knowledge and skills in a particular career or academic area. The Career Pathway must be included in the Student Success Plan.

⁹ During the senior year, a student must maintain a credit load each semester that earns the student at least a majority of credits that could be taken that semester. Eff. Class of 2016, student participating in a dual enrollment course or dual credit course is considered as meeting the majority of credits, as long as a credit in Mathematics is earned during the senior year.

¹⁰ All students must enroll in Algebra no later than 9th grade

¹¹ In lieu of 24 unit requirement or ACCEL option, students may earn standard diploma by completing an International Baccalaureate (IB) curriculum or Advanced International Certificate of Education (AICE) curriculum.

¹² A student who earns an industry certification for which there is a state board-approved statewide college credit articulation agreement may substitute the certification for one math credit. Substitution may occur for up to two math credits, except for Algebra I and Geometry.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		Eff. Class of 2017: ELA I, II, III, IV		History, .5 U.S Govt., .5 economics Eff. Class of 2017: .5 economics must include financial literacy	Eff. Class of 2017: In addition, 2 units in courses equally rigorous to Biology	Eff. Class of 2017: P.E. includes integration of health	1 fine or performing arts, speech and debate, or practical arts			1 fine or performing arts, speech and debate, or practical arts. All students must take one online course.			1003.4282
	Endorsed	<p>The following designations may be included on the standard high school diploma, by completing the standard diploma requirements and designation requirements.</p> <p>Scholar Designation:</p> <ul style="list-style-type: none"> English: Eff. Class of 2018, pass the statewide, standardized grade 11 ELA assessment. Math: Earn one credit in Algebra II and one credit in statistics or an equally rigorous course. Beginning with students entering grade 9 in the 2014-2015 school year, pass the Algebra II and Geometry statewide, standardized assessments. Science: Pass the statewide, standardized Biology I EOC assessment and earn one credit in chemistry or physics and one credit in a course equally rigorous to chemistry or physics. However, a student enrolled in an AP, IB, or Advanced International Certificate of Education (AICE) Biology course who takes and earns college credit through the respective AP, IB, or AICE Biology assessment meets this requirement without taking the statewide, standardized Biology I EOC assessment. Social studies: Pass the statewide, standardized United States History EOC assessment. However, a student enrolled in an AP, IB, or AICE course that includes United States History topics who takes and earns college credit through the respective AP, IB, or AICE assessment meets this requirement without taking the statewide, standardized United States History EOC assessment. Foreign language: Earn 2 units in same foreign language. Earn at least one credit in an AP, IB, AICE, or dual enrollment course. <p>Merit Designation:</p> <ul style="list-style-type: none"> Earn one or more industry certifications from a state-established list. 											West's F.S.A. § 1003.4285
Georgia	Standard	4, incl. 1 American Lit./Comp. and 1 Ninth-Grade Lit. and Comp.	4, incl. Math I or GPS Algebra or equiv., Math II or GPS Geometry or equiv., and Math III or GPS Algebra II or equiv. Additional courses must be selected from state list.	3, incl. 1 U.S. History, 1 World History, .5 American Govt./Civics, .5 Economics	4, incl. 1 Biology, 1 either Physical Science or Physics, 1 either Chemistry, Earth Systems, Environmental Science or an AP/IB course.	1 health/p.e.	See below 3 units Career, Technical and Ag. Ed. (CTAE) Pathways and/or Mod. Lang./Latin and/or Fine Arts	See below 3 units Career, Technical and Ag. Ed. (CTAE) Pathways and/or Mod. Lang./Latin and/or Fine Arts	4	See below 3 units Career, Technical and Ag. Ed. (CTAE) Pathways and/or Mod. Lang./Latin and/or Fine Arts		23	Ga Comp. R. & Regs. 160-4-2-.48
Hawaii	Standard	4, incl. English Lang. Arts 1 and English Lang. Arts 2	3 Eff. Class of 2016: Incl. 1 Algebra I, 1 Geometry, or 2-year integrated	4, incl. .5 Modern History of Hawaii, .5 Participation in a Democracy	3 Eff. Class of 2016: Incl. 1 Biology and 2 Laboratory Science	1.5, incl. 1 p.e., incl. .5 P.E. Lifetime Fitness and .5 p.e.	See below 2 units World Language in same lang., Fine	See below 2 units World Language in same	6	.5 Personal Transition Plan In addition, 2 units World Language in same lang.,	-	24	Board of Education Policy 4540

¹³ A student who earns an industry certification for which there is a state board-approved statewide college credit articulation agreement may substitute the certification for one science credit, except for Biology I.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		Eff. Class of 2016: Same, plus incl. .5 Expository Writing	Common Core Course		Electives	elective, and .5 health	Arts, or CTE	lang., Fine Arts, or CTE	credit	Fine Arts, or CTE			
	Advanced (Board of Education Diploma) (through Class of 2015)	4 (same)	4, incl. Algebra I, Geometry, Algebra II or equiv.	4 (same)	3, incl. 2 units Biology, Chemistry and/or Physics	1.5 (same)	Same	Same	5	1.5, incl., .5 Personal Transition Plan and 1 Senior Project In addition, 2 units World Language in same lang., Fine Arts, or CTE	Min. 3.0 GPA	25	Board of Education Policy 4540
	Advanced (Eff. Class of 2016)	<p>In addition to meeting the requirements for a standard diploma, the following must be met with a minimum 3.0 GPA:</p> <p>Academic Honors:</p> <ul style="list-style-type: none"> Math: 4 units, with 4th unit beyond Algebra II met by any combination of the following half-credit courses or IB equivalent: Algebra III, Trigonometry, Analytic Geometry, Precalculus. Science: 4 units, including 1 Biology I (or AP/IB equivalent), and 3 units lab sciences. 2 units completed in AP/IB/Running Start courses (equivalent to 2 credits for 2 college courses) <p>CTE Honors:</p> <ul style="list-style-type: none"> Completes program of study (2-3 courses in sequence plus state-identified specific academic course requirement), earning a B or higher in each required program of study, and meeting or exceeding proficiency on performance-based assessments for corresponding program of study Completes one of the following written assessments for program of study: <ul style="list-style-type: none"> Earn at least 70% on each end-of-course assessment Earn a nationally-recognized certificate Earn a passing score on a Dual Credit Articulated Program of Study assessment <p>STEM Honors:</p> <ul style="list-style-type: none"> Math: 4 units, with 4th unit beyond Algebra II met by any combination of the following half-credit courses or IB equivalent: Algebra III, Trigonometry, Analytic Geometry, Precalculus. Science: 4 units, including 1 Biology I (or AP/IB equivalent), and 3 units lab sciences. STEM Capstone/STEM Senior Project 											Board of Education Policy 4540
Idaho	Standard	4.5, incl. .5 communications	3, incl. 1 Algebra I, 1 Geometry ¹⁴ AP Computer Science, Dual Credit Computer	2.5, incl. 1 govt., 1 U.S. history, .5 economics In addition, 1 humanities, incl.	3, incl. 2 lab. Up to 1 unit AP Computer Science, Dual Credit Computer Science, and	.5 Health/Wellness. Eff. students entering	See below 1 humanities, incl. visual arts, music,	See below 1 humanities, incl.	-	See below 1 humanities, incl. visual arts, music, theatre, dance, or world	Senior project, including a written report and oral presentation	23 (14.5 specified in reg.)	IDAPA 08.02.03.1 05.01

¹⁴ 1 unit math must be taken in the student's last year of high school. Students who have taken 3 units of math before their last year of high school including at least 2 semesters of AP or dual credit calculus or a higher level course, are exempt from taking math their last year of high school.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
			Science, and Dual Credit Engineering courses may be counted as a math credit if the student has completed Algebra II standards.	visual arts, music, theatre, dance, or world language. Other courses such as literature, history, philosophy, architecture, or comparative world religions may satisfy the humanities standards if the course is aligned to the Idaho Interdisciplinary Humanities Content Standards.	Dual Credit Engineering may be used as science credit	grade 9 in 2015 (Class of 2019), instruction on CPR	theatre, dance, or world language. Other courses such as literature, history, philosophy, architecture, or comparative world religions may satisfy the humanities standards if the course is aligned to the Idaho Interdisciplinary Humanities Content Standards.	visual arts, music, theatre, dance, or world language. Other courses such as literature, history, philosophy, architecture, or comparative world religions may satisfy the humanities standards if the course is aligned to the Idaho Interdisciplinary Humanities Content Standards.		language. Other courses such as literature, history, philosophy, architecture, or comparative world religions may satisfy the humanities standards if the course is aligned to the Idaho Interdisciplinary Humanities Content Standards.			
Illinois	Standard	4, incl. 2 years of writing intensive courses. One must be English and one may be English or any other subject.	3, incl. 1 Algebra I, 1 including geometry content. 1 may be AP computer science if pupil successfully completes Algebra II or integrated math course with Algebra II content.	2, incl. 1 U.S. history or combination of U.S. history and American government.	2		See below 1 unit chosen from music, art, foreign language (incl, ASL) or vocational education	See below 1 unit chosen from music, art, foreign language (incl, ASL) or vocational education		See below 1 unit chosen from music, art, foreign language (incl, ASL) or vocational education One of the two years of writing intensive courses may be in a subject other than English and when		14	105 ILCS 5/27-22

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
										applicable, may be counted toward the fulfillment of other graduation requirements.			
Indiana	Standard (Core 40)	4	3, ¹⁵ incl. Algebra I, geometry, Algebra II OR Integrated Math I, II, III. Eff. Class of 2016, student must be enrolled in a math or quantitative reasoning course each year of high school	3, incl. 1 U.S. history, .5 U.S. economics, 1 world history and civilization OR 1 geography and history of the world	3, incl. 1 biology, 1 chemistry OR physics OR integrated chemistry-physics, 1 add'l unit in Core 40 sciences.	1.5, incl. .5 Health and Wellness and 1 Physical Education I and II	See below 2.5 "directed elective credits", chosen from world languages, fine arts and CTE	See below 2.5 "directed elective credits", chosen from world languages, fine arts and CTE	5.5, incl. 2.5 "directed elective credits" (chosen from world languages, fine arts and CTE), and 3 units from subjects identified in graduation requirements and other approved areas of study	See below 2.5 "directed elective credits", chosen from world languages, fine arts and CTE Students are encouraged to complete a college and career pathway.		20	511 IAC 6-7.1-5
Indiana	Waiver (Minimum)	4 ¹⁶	2 ¹⁷ , incl. 1 algebra I or Integrated Math I. Eff. Class of 2016, 1 unit math or quantitative reasoning during student's junior or senior year.	2, incl. 1 U.S. history, .5 U.S. gov., .5 in another social studies course, global economics, or consumer economics	2, ¹⁸ incl. 1 biology. Units must incl. content from more than 1 of life science, physical science, earth and space science.	1.5, incl. .5 Health and Wellness and 1 Physical Education I and II			8.5, incl. 3 units in a college and career pathway, 2.5 flex credit units ¹⁹ and 3 units from subjects identified in graduation requirements and other approved			20	511 IAC 6-7.1-4

¹⁵ Prior to Class of 2016, student must earn either 1 unit math or physics during last two years of high school, and is recommended to earn a unit of math during final year in high school.

¹⁶ 3 units must be from the English language arts area of study. 1 unit may be from business technology, family and consumer sciences, technology education or career-technical courses having predominately language arts content. A student who completes a Level III world language course may be waived 1 unit of the language arts requirement.

¹⁷ 2 units must be earned after the student enters high school. 1 unit may be from business technology, family and consumer sciences, technology education or career-technical courses having predominately math content.

¹⁸ 1 unit may be from family and consumer sciences or career-technical courses having predominately science content.

¹⁹ "Flex credits" are chosen from any combination of (1) Additional courses to extend the college and career pathway; (2) Courses involving workplace learning, which may include specified courses; (3) Advanced CTE courses for college credit; or (4) Additional courses in language arts, social studies, math, science, world languages or fine arts. The college and career pathway is recommended but not required if after completing grade 11 a student transfers to a school accredited by the board from a school not accredited by the board, including a school outside Indiana, or initially begins coursework under the Core 40 diploma and changes to the minimum requirements.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
									areas of study.				
Indiana	Advanced (Core 40 with Academic Honors) ²⁰	4	4, ²¹ incl. Algebra I, geometry, Algebra II and 1 add'l Core 40 math unit OR Integrated Math I, II, III and 1 add'l Core 40 math unit. . Eff. Class of 2016, student must be enrolled in a math or quantitative reasoning course each year of high school, and must earn at least 3 of 4 math units after entering high school.	3, incl. 1 U.S. history, .5 U.S. economics, 1 world history and civilization OR 1 geography and history of the world	3, incl. 1 biology, 1 chemistry OR physics OR integrated chemistry- physics, 1 add'l unit in Core 40 sciences	1.5, incl. .5 Health and Wellness and 1 Physical Education I and II	1 fine arts	3 or 4 – either 3 units single language, or 2 units in each of 2 languages	Depends on world language option chosen – 4 units if student completes 3 units world languages, or 3 units if student completes 4 units world languages	²²	Students must complete non-elective courses and either AP, IB or dual credit courses with “C” or higher. Students must have cumulative “B” GPA in all courses.	23.5	511 IAC 6-7.1-6
Indiana	Advanced (Core 40 with technical honors)	4	3, ²³ incl. Algebra I, geometry, Algebra II OR Integrated Math I, II, III. Eff.	3, incl. 1 U.S. history, .5 U.S. economics, 1 world history and	3, incl. 1 biology, 1 chemistry OR physics OR integrated chemistry-	1.5, incl. .5 Health and Wellness and 1			Class of 2015: Depends on whether 4 or 5 credits	Class of 2015: 4 or 5 CTE units Class of 2016:	Class of 2015: Students must complete non-	23.5	511 IAC 6-7.1-7

²⁰ A student who has earned an international baccalaureate diploma is eligible to receive a Core 40 diploma with academic honors.

²¹ Prior to Class of 2016, student must earn either 1 unit math or physics during student's last two years of high school, and is recommended to earn a unit of math during final year in high school.

²² Prior to Class of 2016, students must complete one of following:

- 2 units in 2 AP courses and related AP exams
- Dual credit courses from priority course list resulting in 3 transferable college credits
- 1 unit AP course/exam and 1 dual credit course from priority course list resulting in 3 transferable college credits
- SAT with min. 1200 composite score
- ACT with min. 26 composite score
- IB diploma

Eff. Class of 2016, students must complete one of the following:

- 2 units in 2 AP courses and related AP exams
- Dual credit courses from priority course list resulting in 3 transferable college credits
- Two of the following:
 - Min. 3 verifiable transcribed college credits from priority course list
 - 1 unit AP course/exam
 - 1 unit in an IB standard level course and corresponding exams
- SAT with min. 1750 composite score and min. 530 on each section
- ACT with min. 26 composite score and completion of the written section
- 2 units IB courses and related IB exams

²³ Prior to Class of 2016, student must earn either 1 unit math or physics during student's last two years of high school, and is recommended to earn a unit of math during final year in high school.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
			Class of 2016, student must be enrolled in a math or quantitative reasoning course each year of high school, and must earn 3 math units after entering high school.	civilization OR 1 geography and history of the world	physics, 1 add'l unit in Core 40 sciences	Physical Education I and II			completed in CTE program. If 4, then 5 elective units; if 5, then 4 elective units. Class of 2016: 6 elective units	3 units college and career pathway	elective courses with "C" or higher. Students must have cumulative "B" GPA in all courses. Student must earn state-recognized certification in CTE program. Class of 2016: No min. "C" requirement. Students must have cumulative "B" GPA in all courses. ²⁴		
Iowa	Standard	4	3	3	3	1 p.e.						14	Iowa Admin. Code 281-12.5(5)
Kansas	Standard	4 ²⁵	3, incl. algebraic and geometric concepts	3, incl. world history; U.S. history, U.S. govt. (incl. U.S. constitution); concepts of economics and geography; and except as otherwise provided in 91-31-32 , a course	3, incl. physical, biological, and earth and space science concepts. Must incl. 1 lab	1 p.e., which must include health	1 fine arts (may include art, music, dance, theatre, forensics, and other similar studies)		6			21	K.A.R. 91-31-35(a), (b)

²⁴ In addition, student must:

-Earn min. 3 units in college and career preparation courses in a state-approved college & career pathway and earn either

- Pathway designated industry-based certification or credential, or
- Pathway designated dual credit courses from priority course list resulting in 6 verifiable transcribed college credits.

-Complete 1 of the following:

- One of the options from [511 IAC 6-7.1-6\(q\)](#) for the Core 40 with academic honors diploma
- Earn min. on WorkKeys: Level 6 on Reading for information and Applied Mathematics and Level 5 on Locating information
- Earn min. on Accuplacer: Writing, 80; Reading, 90; Math, 75
- Earn min. on Compass: Algebra, 66; Writing, 70; Reading, 80.

²⁵ 1 unit may be waived if building administrator determines a pupil may profit more by taking another subject.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
				in Kansas history and govt.									
Kentucky	Standard	4, incl. English I, II, III, IV. Language arts must be taken each year of high school.	3, incl. Algebra I, geometry, Algebra II. ²⁶ Student must be enrolled in a math course each year of high school.	3	3 lab	1, incl. .5 health and .5 p.e.	1 History and appreciation of visual and performing arts (or another arts course that incorporates this content)		7 units academic and career interest standards-based learning experiences, incl. 4 standards-based learning experiences in an academic or career interest based on the student's individual learning plan.		Demonstrated performance-based competency in technology.	22	704 Ky. Admin. Regs. 3:305, Section 2
Louisiana	Standard (LA Core 4) – (through Class of 2017)	4, incl. English I, II, III, IV	4, incl. Algebra I OR Applied Algebra I OR Algebra I-Pt. 2; geometry or applied geometry; Algebra II; and 1 chosen from other specified courses. ²⁷	4, incl. 1 civics with a section on free enterprise, U.S. history, 1 unit chosen from world history, world geography, western civilization or AP European History, and 1 unit chosen from specified courses. ²⁸	4, incl. 1 biology, 1 chemistry, and 2 chosen from specified courses. ²⁹	2, incl. .5 Health Education and 1.5 p.e.	1 Arts ³⁰	2 units same foreign language or 2 speech courses	3 ³¹			24	La. Admin Code. tit. 28, pt. CXV, § 2318(C)(2)

²⁶ An integrated, applied, interdisciplinary, occupational, or technical course that prepares a student for a career path based on the student's individual learning plan may be substituted for a traditional Algebra I, geometry, or Algebra II course on an individual student basis if the course meets the content standards in the Kentucky core academic standards. Any math course other than Algebra I, Geometry, or Algebra II must be counted as an elective

²⁷ 4th unit selected from Financial Mathematics, Math Essentials, Advanced Math—Pre-Calculus, Advanced Math—Functions and Statistics, Pre-Calculus, Calculus, Probability and Statistics, Discrete Mathematics, AP Calculus BC, or a locally initiated elective approved by BESE as a math substitute.

²⁸ 4th unit may be chosen from World History, World Geography, Western Civilization, AP European History, Law Studies, Psychology, Sociology, Civics (second semester—1/2 credit), African American Studies, Economics, AP Economics: Micro, AP Government and Politics: Comparative, AP Government and Politics: U.S., or AP Human Geography. Students may take two half credit courses for the 4th required social studies unit. A student completing a career area of concentration may substitute one of specified approved IBC courses from among the primary courses in the student's area of concentration for the 4th required social studies unit.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
Louisiana	Waiver (Basic Core) (through Class of 2017)	4, incl. English I, II, III, IV or Senior Applications in English	4, incl. 1 Algebra I OR Applied Algebra I OR Algebra I-Pt. 1 and Algebra I-Pt. 2 (2 units); geometry or applied geometry; and remaining units selected from specified courses. ³²	3, incl. U.S. History, 1 civics with a section on free enterprise, and 1 chosen from world history, world geography, western civilization or AP European History.	3, incl. 1 biology, 1 chosen from physical science cluster, and 1 chosen from other specified courses. ³³	2, incl. .5 Health Education and 1.5 p.e.	-	-	8 ³⁴	Completion of a career area of concentration or a Jump Start program.	-	24	La. Admin Code. tit. 28, pt. CXV, § 2318(C)(1)
Louisiana	CTE Alternative Standard (Jump Start TOPS Tech or Career Diploma)	Through Class of 2017: 4, incl. English I, II and 2 units selected from specified courses. ³⁵ Eff. 2018,	Through Class of 2017: 4, incl. Algebra I OR Applied Algebra OR Algebra I-Pt. 1 and Algebra I-Pt. 2 (2 units), and 3 units selected from specified courses. ³⁶ Eff. 2018,	Through Class of 2017: 3, incl. U.S. history, 1 civics with a section on free enterprise, and 1 chosen from other specified courses. ³⁷ Eff. Class of 2018: 2, incl. 1 U.S. history, and 1 civics or .5	Through Class of 2017: 3, incl. 1 biology, 1 chosen from physical science cluster, and 1 chosen from other specified (including CTE) courses. ³⁸ Eff. Class of 2018: 2, incl. 1	2, incl. .5 Health Education and 1.5 p.e.	-	-	3 ³⁹	Through Class of 2017: Sequence of 7 CTE units, incl. 6 units req'd for career area of concentration and 1 Education for Careers, Journey to Careers, or JAG	-	23	La. Admin Code. tit. 28, pt. CXV, § 2319

²⁹ 3rd and 4th units selected from Physical Science, Integrated Science, Physics I, Physics of Technology I, Aerospace Science, Biology II, Chemistry II, Earth Science, Environmental Science, Physics II, Physics of Technology II, Agriscience II, Anatomy and Physiology, AP Physics C: Electricity and Magnetism, AP Physics C: Mechanics, or a locally initiated elective approved by BESE as a science substitute. Students may not take both Integrated Science and Physical Science. A student completing a career area of concentration may substitute one of specified approved IBC courses from among the primary courses in the student's area of concentration for the 4th required science unit.

³⁰ A student completing a career area of concentration may substitute one of specified approved IBC course from among the primary courses in the student's area of concentration for the 4th required applied art unit

³¹ Students may apply a maximum of two Carnegie units of elective credit toward high school graduation by successfully completing specially designed courses for remediation.

³² Remaining units chosen from Algebra II, Financial Mathematics, Math Essentials, Advanced Math – Pre-Calculus, Advanced Math – Functions and Statistics, Pre-Calculus, Calculus, Probability and Statistics, Discrete Mathematics, or a locally initiated elective approved by BESE as a math substitute.

³³ Physical science cluster courses include Physical Science, Integrated Science, Chemistry I, Physics I, Physics of Technology I. Courses that may fulfill 3rd unit science requirement include Aerospace Science, Biology II, Chemistry II, Earth Science, Environmental Science, Physics II, Physics of Technology II, Agriscience II, Anatomy and Physiology, ChemCom, an additional course from the physical science cluster, or a locally initiated elective approved by BESE as a science substitute. Students may not take both Integrated Science and Physical Science.

³⁴ Electives must include the minimum courses required to complete a career area of concentration. The area of concentration must include one unit of education for careers, journey to careers, or JAG. Students may apply a maximum of two Carnegie units of elective credit toward high school graduation by successfully completing specially designed courses for remediation.

³⁵ 2 units chosen from Technical Reading and Writing, Business English, Business Communications, Using Research in Careers (.5 unit), American Literature (.5 unit), Film in America (.5 unit), English III, English IV, Senior Applications in English, or a course developed by the LEA and approved by BESE.

³⁶ 3 units chosen from Geometry or Applied Geometry, Technical Math, Medical Math, Applications in Statistics and Probability, Financial Math, Math Essentials, Algebra II, Advanced Math—Pre-Calculus, Discrete Mathematics, or course(s) developed by the LEA and approved by BESE.

³⁷ 1 unit chosen from Child Psychology and Parenthood Education, Law Studies, Psychology, Sociology, World History, World Geography, Western Civilization, Economics, American Government, African American Studies, or a course developed by the LEA and approved by BESE.

³⁸ Students may not take both Integrated Science and Physical Science

³⁹ Students may apply a maximum of two Carnegie units of elective credit toward high school graduation by successfully completing specially designed courses for remediation.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		options for 3 rd and 4 th units do not include certain courses	options for 3 remaining units do not include certain courses	govt. and .5 economics	biology, 1 either chemistry 1, physical science, earth science, agriscience II, environmental science, or any AP/IB science course.					Eff. Class of 2018: Participation in approved training programs leading to an approved industry-based credential, incl. at least 9 credits in Jump Start course sequence, workplace experiences and credentials			
Louisiana	Standard (TOPS University Diploma) (Eff. Class of 2018)	4, incl. English I, II, and 2 units selected from specified courses. ⁴⁰	4, incl. Algebra I, geometry, Algebra II (or Integrated Math I, II, III) and 1 chosen from other specified courses. ⁴¹	4 units, incl. 1 U.S. History, 1 civics or government, and 2 chosen from sets of specified courses. ⁴²	4, incl. Biology I, Chemistry I, and 2 chosen from other specified courses. ⁴³	2, incl. .5 Health Education and 1.5 p.e.	1 unit chosen from specified courses	2 units same foreign language	3	-	-	24	La. Admin Code. tit. 28, pt. CXV, § 2318(C)(3)
Louisiana	Endorsed	<p>Students completing the LA Core 4 or Basic Core diploma may earn:</p> <p>Academic Endorsement: Through the Class of 2017, students must:</p> <ul style="list-style-type: none"> • Complete curriculum requirements specified in La. Admin Code. tit. 28, pt. CXV, § 2318(C)(5) or the TOPS core curriculum. • Achieve a score of “good” or “excellent” on each of the following EOC tests: <ul style="list-style-type: none"> ○ English II and English III ○ Algebra I and geometry ○ Biology and U.S. history. • Complete one of the following requirements: <ul style="list-style-type: none"> ○ Senior project ○ 1 unit in an AP course and attempt the AP exam ○ 1 unit in an IB course and attempt the IB exam ○ 3 college hours of non-remedial credit in English language arts, math, science, social studies or foreign language 											La. Admin Code. tit. 28, pt. CXV, § 2318 (C)(5), (6)

⁴⁰ 3rd unit to be selected from English III, AP English language arts and composition, IB literature, IB language and literature, or IB literature and performance. 4th unit to be selected from English IV, AP English literature and composition, IB literature, IB language and literature, or IB literature and performance.

⁴¹ 4th unit to be selected from Algebra III, advanced math—functions and statistics, advanced math—pre-calculus, pre-calculus, IB math studies (math methods), calculus, AP calculus AB, IB mathematics SL, AP calculus BC, AP statistics, IB further mathematics HL, or IB mathematics HL.

⁴² 3rd and 4th units to be chosen from either European history/AP European history/western civilization, either world geography/AP human geography/IB geography, either world history/AP world history/IB history of the Americas II, IB economics, economics, AP macroeconomics, or AP microeconomics.

⁴³ 3rd and 4th unit to be chosen from Earth science, environmental science, physical science, Agriscience II, 1 either Chemistry II/AP Chemistry/IB Chemistry I/IB Chemistry II, 1 either AP environmental science/IB environmental systems, either Physics I/IB Physics, either AP physics C: electricity and magnetism/AP physics C: mechanics/IB physics II; AP physics I and AP physics II, and either Biology II/AP Biology/IB Biology I/IB Biology II.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		<ul style="list-style-type: none"> Meet the current minimum GPA requirement for the TOPS Opportunity Award Earn minimum 23 composite score on ACT, or SAT equivalent. <p>Career/Technical Endorsement: Through the Class of 2017, students must:</p> <ul style="list-style-type: none"> Meet course requirements for the Louisiana Core 4 Curriculum Complete the career area of concentration Achieve a score of "good" or "excellent" on each of the following EOC tests: <ul style="list-style-type: none"> English II and English III Algebra I and geometry Biology and U.S. history. Complete a minimum 90 work hours of work-based learning experience related to the student's area of concentration or senior project related to student's area of concentration with 20 hours of related work-based learning and mentoring and complete either: <ul style="list-style-type: none"> An industry-based certification in student's area of concentration from the list of industry-based certifications approved by BESE; or Three college hours in a CTE area that articulate to a postsecondary institution, either by actually obtaining the credits and/or being waived from having to take such hours in student's area of concentration. Achieve minimum 2.5 GPA Achieve minimum ACT composite score (or SAT equivalent) of 20 or the state ACT average (whichever is greater), or the silver level on the WorkKeys assessment. <p>Community Service Diploma Endorsement: Eff. Class of 2017, districts may offer the opportunity to earn a community service diploma endorsement to students completing documented community service according to the following schedule:</p> <ul style="list-style-type: none"> 9th grade: 10 hours 10th grade: 20 hours 11th grade: 25 hours 12th grade: 25 hours <p>Students transferring into a participating LEA after the ninth grade or students graduating early may receive an endorsement provided that the minimum requirement for each year they attend a participating LEA is met and a total of 80 community service hours are completed prior to graduation.</p>											La. Admin Code. tit. 28, pt. CXV, § 2317(I)
Maine	Standard (Through Class of 2016)	4	2	2, incl. American history, government, civics and personal finance	2, incl. 1 lab	Through Class of 2016?, 5 Health Education ?	1						20-A M.R.S.A. § 4722(2)
Maine	Standard (Eff. Class of 2017)	<p>Effective with the Class of 2017, awarding of a diploma must be based on student demonstration of proficiency. The commissioner of education may permit a school administrative unit to award diplomas under proficiency-based diploma standards prior to January 1, 2017 if the commissioner finds that the unit's plan for awarding diplomas meets the criteria for proficiency-based graduation established in statute. Under the proficiency-based diploma standards, a student must, in addition to any locally-established diploma criteria:</p> <ul style="list-style-type: none"> Demonstrate that the student engaged in educational experiences relating to English language arts, math and science and technology in each year of the student's secondary schooling. Demonstrate proficiency in meeting state standards in all content areas of the system of learning results established under section 6209. Demonstrate proficiency in each of the guiding principles set forth in department rules governing implementation of the system of learning results established pursuant to section 6209. <p>Students must be allowed to gain proficiency through multiple pathways, and must be allowed to demonstrate proficiency via multiple types of evidence, including but not limited to teacher-designed or student-designed assessments, portfolios, performance, exhibitions, projects and community service.</p>											20-A M.R.S.A. § 4722-A
Maryland	Standard	4	3, incl. 1 with instruction in algebra aligned with the Maryland High School	3, incl.. 1 U.S. history, 1 world history, 1 local, State, and national government	3, incl. 1 biology and 2 labs chosen from earth, life, environmental science, or	1, incl. .5 p.e. and .5 health education	1 fine arts	See below Either 2 world language	-	1 that includes the application of knowledge, tools, and skills to solve practical	75 hours student service	21 (18 specified in regs)	COMAR 13A.03.02.03, 13A.03.02.05

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
			Assessment for algebra or one or more credits in subsequent math courses for which Algebra I is a prerequisite, and 1 with instruction in geometry aligned with the content standards for geometry. Eff. Class of 2018: Student must be enrolled in a math course each year of high school.	aligned with the Maryland High School Assessment for government	physical sciences			or ASL, 2 advanced technology education , or completion of state-approved career and technology program		problems and extend human capabilities All students must complete a locally designed high school program of environmental literacy approved by the state superintendent.			
Massachusetts	Standard	Graduation requirements are generally established by local boards. "Physical education shall be taught as a required subject in all grades for all students."										Mass. Gen. Laws Ann. ch. 69, § 1D, 71, §3	
Massachusetts	Recommended (MassCore)	4	4, incl. Algebra II or Integrated Math equivalent. ⁴⁴	3, incl. U.S. history and world history	3 lab; may incl. technology/engineering courses	See above	1	2 units same language	5 Business Education, Career and Technical Education (CTE), Health, Technology or any of the subjects required under MassCore	Students encouraged to complete as many as possible: AP, capstone or senior project, dual enrollment, online courses, service learning, and work-based learning.		22	Adopted by state board 2007
Michigan *	Standard	4	4, incl. Algebra I, geometry, Algebra II (or integrated equivalent, or alternatives) ⁴⁵ . 4 th unit from	3, incl. 1 U.S. history and geography, 1 world history and geography, .5 economics, .5 civics	3, incl. biology, and either chemistry, physics, anatomy, or agricultural science, or course	1 health/p.e	1 visual, performing or applied arts	Eff. 2016: 2 units in any grades K-12 of foreign language	-	All students must take one online course or learning experience.	-	16 Eff. 2016: 18	M.C.L.A. 380.1278a, 380.1166,

⁴⁴ All students recommended to take math their senior year.

⁴⁵ Algebra II may be taken over 2 years with 2 units awarded, or over 1.5 years with 1.5 units awarded. Algebra II may be partially or fully fulfilled completing a department-approved formal career and technical education program or curriculum, such as a program or curriculum in electronics, machining, construction, welding, engineering, computer science, or renewable energy, and in that program or curriculum successfully completing the same content as the algebra II benchmarks assessed on the department-prescribed state high school assessment, as determined by the department.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
			specified options ⁴⁶ . Students must complete 1 math course during final year of high school.		providing same content as chemistry or physics benchmarks ⁴⁷			or ASL. Partial exception permitted for Classes 2016-2021 ⁴⁸					
Minnesota	Standard	4	3, incl. Algebra I by end of 8 th grade and Algebra II or equivalent ⁴⁹	3.5, incl. U.S. history, geography, government and citizenship, world history and economics ⁵⁰	3, incl. 1 biology, 1 chemistry or physics ⁵¹	-	1 arts ⁵²	-	7	-	-	21.5	M.S.A. § 120B.024
Mississippi	Standard	4, incl. English I, II	4, incl. Algebra I or Integrated Math I	4, incl. 1 world history, 1 U.S. history, .5 geography, .5 U.S. govt., .5 economics, .5 Mississippi Studies	4, incl. Biology I and 1 lab physical science	1., incl. .5 contemporary health and .5 p.e.	1 arts	-	5	1 ⁵³	-	24	Miss. Public School Acctby. Stds. 2014, Appendix A-2
Mississippi	Waiver (District Option; not required to be offered)	4, incl. English I, II	4, incl. Algebra I or Integrated Math I	3, incl. 1 world history, 1 U.S. history, .5 U.S. govt., .5 Mississippi Studies	3, incl. Biology I	.5 contemporary health	1 arts	-	4.5	1 (same options as std. diploma)	-	21	Miss. Public School Acctby. Stds. 2014, 14.1.2 and Appendix A-1
Mississippi	Career Pathway Diploma	4, incl. English I, II	3, incl. Algebra I or Integrated Math I	3, incl. 1 U.S. history, .5 U.S. govt., .5 Mississippi Studies	3, incl. Biology I	.5 contemporary health OR p.e.	-	-	2.5 courses selected from student program of study	5, incl. 4 CTE dual enrollment-dual credit programs and 1 (same options as std. diploma)	-	21	Miss. Code Ann. § 37-16-17, 2014 Acctby. Stds. 2014, Appendix A-3

⁴⁶ 4th unit may be trigonometry, statistics, precalculus, calculus, applied math, accounting, business math, a retake of algebra II, or a course in financial literacy.

⁴⁷ 3rd science unit may be fulfilled by department-approved computer science program/curriculum or CTE program/curriculum. Legislature strongly encourages students to complete

⁴⁸ For Classes of 2016-2021, a student may partially or fully complete 1 unit of this requirement by completing a department-approved CTE program or curriculum, or by completing visual or performing arts instruction that is in addition to 1 unit requirement in visual, performing or applied arts

⁴⁹ A CTE credit may fulfill a math or arts credit requirement

⁵⁰ .5 economics taught in a school's agriculture education or business department and that satisfies all of the academic standards in economics may fulfill .5 unit in social studies.

⁵¹ An agriculture science or career and technical education credit may fulfill the credit in chemistry or physics or the elective science credit, if the credit meets the state chemistry or physics, or district biology academic standards or a combination of these academic standards as approved by the district. A student must satisfy either all of the chemistry academic standards or all of the physics academic standards prior to graduation. An agriculture science or career and technical education credit may not fulfill the required biology credit

⁵² A CTE credit may fulfill a math or arts credit requirement

⁵³ Unit chosen from 1 information and computer technology, 1 Science, Technology, Engineering and Mathematics, or 1 Technology Foundations or .5 keyboarding and .5 computer applications.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
Mississippi	Early Exit Diploma	2, incl. English II or equivalent	3, incl. Algebra I or equivalent	2.5, incl. 1 world history, 1 U.S. history or equivalent, .5 Mississippi Studies	2, incl. biology or equivalent	1 any combo p.e. and health	1	-	5, focused on college admission or national certification reqts.	1 Technology Foundations; Information and Communication Technology (ICT) II; or Science, Technology, Engineering, and Mathematics	Students must meet college and career qualification scores in all core content areas on a series of end-of-course exams and/or ACT college readiness benchmarks (18 in English Composition; 22 in Math; 22 in Reading; 23 in Science) or Institutions of Higher Learning (IHL) approved college entrance exam.	17.5	Miss. Public School Acctby Stds. 2014, Appendix A-4
Missouri *	Standard	4 "Communication Arts"	3	3 ⁵⁴	3	1.5, incl. .5 Health Education and 1 p.e.	1 fine art	-	7 ⁵⁵	1 practical arts ⁵⁶		24	5 Mo. Code of State Regulations 20-100.190
Montana	Standard	4	2	2	2	1 unit of health enhancement, with 1/2 unit each year for two years	1 arts			1 career and technical education		20 (13 specified in reg.)	Mont. Admin. R. 10.55.905
Nebraska	Standard	4, with course content that includes	3, with course content that includes algebraic, geometric, data	3, with course content that includes civics/government, geography,	3, with course content that includes biological, earth/space, and	-	-	-	-	-	-	20 (13 specified in reg.)	Neb. Admin. R. & Regs. Tit. 92, Ch. 10,

⁵⁴ 5 unit of credit of Personal Finance may be earned in social studies, practical arts or as an elective. If earned in social studies or practical arts, the required units of credit in that area are reduced by .5 (i.e. social studies from 3.0 to 2.5) and the elective total is increased to 7.5.

⁵⁵ See above

⁵⁶ See above

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		composition, verbal communication, literature, research skills, and technical reading and writing	analysis, and probability concepts	United States and world history, and economic concepts	physical science concepts with corresponding science inquiry skills and lab experience								§003.05
Nevada	Standard	4	3	2, incl. 1 American govt. and 1 American history	2	2.5, incl 1 Health Education and. 2 p.e.	See below 1 arts and humanities or CTE		7.5	1 Use of computers See below 1 arts and humanities or CTE		22.5	NAC 389.664
Nevada	Advanced	4	4	3, incl. 1 American govt., 1 American history, 1 social studies	3	2.5, incl 1 Health Education and. 2 p.e.	See below 1 arts and humanities or CTE	-	6	.5 Use of computers See below 1 arts and humanities or CTE	Min. 3.25 GPA on weighted or unweighted scale	24	NAC 389.663
New Hampshire	Standard	4 ⁵⁷	3, ⁵⁸ incl. algebra that may be earned through sequential, integrated or applied program Eff. Class of 2019: Units must encompass algebra, mathematical modeling, statistics and probability, complex applications of measurement, applied geometry,	2.5, incl. 1 U.S. and NH history, .5 US and NH govt./civics, .5 economics, incl. personal finance, .5 world history OR global studies OR geography	2, incl. 1 physical sciences and 1 biological sciences	1.5, incl. .5 health education and 1 p.e.	.5 arts education	-	6	.5 information and communication technologies	-	20	N.H. Code Admin. R. Ed 306.27

⁵⁷ Students are to engage with and apply English and math graduation competencies during every year of high school even if they have demonstrated graduation competencies for English and math. Such engagement may occur through integration of these graduation competencies in courses focused on content areas other than English or math.

⁵⁸ Students are to engage with and apply English and math graduation competencies during every year of high school even if they have demonstrated graduation competencies for English and math. Such engagement may occur through integration of these graduation competencies in courses focused on content areas other than English or math.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
			graphical presentation and interpretation, statistics and data analysis										
New Jersey	Standard	4	3, incl. Algebra I and geometry. Eff. Class of 2016: 3 rd unit builds on the concepts and skills of algebra and geometry and that prepares students for college and 21st century careers	3.5, incl. 1 world history, and civics, economics, geography and global content integrated in all such course offerings, and .5 financial, economic, business, and entrepreneurial literacy	3, incl. lab biology/life science and lab chemistry, physics or environmental science Eff. Class of 2016: 3 rd unit lab science	3 (.75 unit health, safety, and p.e. during each year of enrollment)	1 visual and performing arts	1 world language or demonstration of competency	-	1 21st century life and careers, or CTE	Technological literacy, consistent with the CCCS, integrated throughout the curriculum	24 (19.5 specified in reg.)	N.J.A.C. 6A:8-5.1
New Mexico *	Standard	4	4 math, incl. 1 unit equivalent to or higher than Algebra II. 1 financial literacy course may fulfill a math unit.	3.5, incl. U.S. history and geography, world history and geography, government and economics, .5 New Mexico history	3, incl. 2 lab	1 p.e. Eff. Class of 2016: Course in health education, which may be req'd in middle or high school	-	See below 1 career cluster course, workplace readiness or a language other than English	7.5. Student service must be offered as an elective	See below 1 career cluster course, workplace readiness or a language other than English 1 unit must be completed as dual credit, AP or honors, or online course	-	24	N. M. S. A. 1978, § 22-13-1.1
New York	Standard (Regents Diploma)	4	3 ⁵⁹ , incl. either Integrated Algebra, Geometry, and Algebra 2/Trigonometry or Mathematics A and Mathematics B	4, incl. 1 American history, .5 Participation in Govt., .5 economics	3, ⁶⁰ incl. 1 life science, 1 physical science, and 3 rd either life sciences or physical science	2.5, incl. .5 health education and 2 p.e.	1 visual arts and/or music, dance, or theatre	1	See below 3.5 sequence courses or electives	See below 3.5 sequence courses or electives	-	22	8 NYCRR 100.5
New York	Advanced (Regents Diploma with Honors,	A local school district may award a student a Regents diploma with honors or a Regents diploma with advanced designation with honors to a student who achieves an average of 90% in all Regents examinations required for the diploma. Each Regents examination score carries a weight of one and such score may not be multiplied by the number of units of study being examined. Averages below 90% must not be rounded up to 90%.										8 NYCRR 100.5	

⁵⁹ A commencement-level course in technology education may be used as the third science or math unit but not both.

⁶⁰ A commencement-level course in technology education may be used as the third science or math unit but not both.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
	or Regents Diploma with Advanced Designation with Honors)	A district may award a Regents diploma with honors or a Regents diploma with advanced designation with honors to a student who has substituted no more than 2 approved alternative assessments for a Regents examination required for the diploma. In such instance, the student's score on any substituted alternative assessments may not be considered in the calculation to determine whether such student has achieved an average of 90%.											
New York	(Regents Diploma with Advanced Designation)	<p>To earn a Regents diploma with an advanced designation a student must complete, in addition to the requirements for a Regents diploma:</p> <ul style="list-style-type: none"> • Two or three commencement level Regents examinations in mathematics through one of the following combinations: <ul style="list-style-type: none"> ○ Two examination combination. A student must pass: <ul style="list-style-type: none"> ○ Mathematics A and Mathematics B; or ○ Mathematics A and Algebra 2/Trigonometry; or ○ Mathematics B and Integrated Algebra; or ○ Three examination combination. A student must pass: <ul style="list-style-type: none"> ○ Mathematics A, Geometry and Algebra 1/Trigonometry; or ○ Integrated Algebra, Geometry and Mathematics B; or ○ Integrated Algebra, Geometry and Algebra 2/Trigonometry • One additional Regents examination in science, for a total of two Regents examinations, with at least one in life science and at least one in physical science • Two additional units in a language other than English for a total of three units and the Regents comprehensive assessment in that language when available. In those languages for which no Regents comprehensive assessment is available, a locally developed test, which is aligned to the Checkpoint B learning standards for languages other than English, may be administered. Students completing a five-unit sequence in career and technical education or the arts (visual arts, music, dance, and theatre) are not required to complete the additional two units of the language other than English requirement for the Regents diploma with advanced designation but must still meet the requirements for the total number of units of credit. 											8 NYCRR 10 0.5
North Carolina *	Standard (Future-Ready Core)	4, incl. English I, II, III, IV	4, incl. 1 Algebra I, 1 geometry, 1 Algebra II and 4 th math unit aligned with student's post high school plans or Integrated Math I, II, III, and 4 th math unit aligned to student's post-high school plans	3, incl. 1 civics and economics, 1 U.S. history, 1 world history Eff. Class of 2016, 1 U.S. history is replaced by American History I and II OR AP U.S. history and 1 add'l social studies course	3, incl. 1 physical science, 1 biology, 1 earth/ environmental science	1 health and p.e.	See below 2 credits must be chosen from CTE, arts education, or world language 4-course concentration recommended) from one of the following: CTE, ROTC, arts education,	See below 2 credits must be chosen from CTE, arts education, or world language		See below 2 credits must be chosen from CTE, arts education, or world language	All students must demonstrate computer proficiency	21 Eff. Class of 2016: 22	16 NCAC 6D.0503

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
							any other subject area or cross-disciplinary courses						
North Dakota	Standard	4 from a sequence that includes literature, composition, and speech	3	3, incl. 1 U.S. history, either .5 U.S. govt. and .5 economics OR 1 Problems of Democracy	3, incl. 1 physical science, 1 biology	1 p.e. or .5 health and .5 p.e.	See below 3 chosen from foreign languages, Native American languages, fine arts or CTE	See below 3 chosen from foreign languages, Native American languages, fine arts or CTE	5	See below 3 chosen from foreign languages, Native American languages, fine arts or CTE	-	22	NDCC, 15.1-21-02.2
North Dakota	Waiver (Optional High School Curriculum)	4 from a sequence that includes literature, composition, and speech	2	3	2	1 p.e. or .5 health and .5 p.e.	See below 2 chosen from foreign languages, Native American languages, fine arts or CTE	See below 2 chosen from foreign languages, Native American languages, fine arts or CTE	7	See below 2 chosen from foreign languages, Native American languages, fine arts or CTE	-	21	NDCC, 15.1-21-02.3
Ohio *	Standard	4	4, incl. 1 Algebra II or equivalent Eff. Class of 2018, 1 of 4 units must be probability and statistics, computer programming, applied math or quantitative reasoning, or any other course approved by the department of education	3, incl. 2 social studies, .5 American history, .5 American govt. Economics and financial literacy must be integrated into 1 or more one or more required social studies units Eff. Class of 2021: 2 units social studies	3 lab, incl. 1 physical sciences, 1 life sciences, and 1 advanced study chosen from specified courses ⁶¹	1, incl. .5 health and .5 p.e.	1 fine arts (may be completed in any grades 7-12. Course completed in grades 7-8 may be counted toward elective.) Students in CTE pathway exempt from fine	-	5	-	-	20	R.C. § 3313.603 (C), (D)(5)(B)

⁶¹ 1 unit chosen from (a) chemistry, physics or other physical science, (b) advanced biology or other life science, (c) astronomy, physical geology, or other earth or space science

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
				must include .5 unit world history and civilizations			arts reqt.						
Ohio	Honors	<p>State offers diploma with honors for students completing a more rigorous academic curriculum, or an intensive CTE curriculum, or International Baccalaureate diploma program.</p> <p>More rigorous academic curriculum: Student must meet at least 7 of the following 8 criteria:</p> <ul style="list-style-type: none"> English: 4 units Math: At least 4 units, incl. Algebra I, geometry, Algebra II and another higher-level course or 4-year equivalent sequence Science: At least 4 units, including 1 unit physics and 1 unit chemistry Social studies: 4 units Foreign language: 3 units in one language or 2 units in 2 foreign languages Fine arts: 1 unit GPA: Maintain minimum 3.5 overall high school GPA on a 4-point scale up to the last grading period of the senior year ACT/SAT: Earn minimum composite score on 27 on ACT (excluding optional writing test) or minimum 1210 on combined verbal and math sections of SAT (excluding required writing section) <p>Intensive career-technical education curriculum: Student must meet at least 7 of the following 8 criteria:</p> <ul style="list-style-type: none"> English: 4 units Math: At least 4 units, incl. Algebra I, geometry, Algebra II and another higher-level course or 4-year equivalent sequence Science: At least 4 units, including 2 units advanced science⁶² Social studies: 4 units CTE coursework: Earn 4 units in a CTE program that leads to an industry recognized credential, results in an apprenticeship, or is part of an articulated career pathway which can lead to post secondary credit. If the student's program design does not provide for any of these outcomes, then the student must achieve the proficiency benchmark established for the applicable Ohio career-technical competency assessment or the equivalent. CTE assessment: Achieve the proficiency benchmark established for the Ohio career-technical competency assessment available at webxam.org (additional content available at education.ohio.gov) or an equivalent assessment aligned with state-approved and industry validated technical standards GPA: Maintain minimum 3.5 overall high school GPA on a 4-point scale up to the last grading period of the senior year ACT/SAT: Earn minimum composite score on 27 on ACT (excluding optional writing test) or minimum 1210 on combined verbal and math sections of SAT (excluding required writing section) <p>International Baccalaureate diploma program: Student must meet all but one of the following criteria:</p> <ul style="list-style-type: none"> English: 4 units, and complete both an internationally-scored 4,000 word essay and a 1,500 word essay for the theory of knowledge seminar Math: At least 4 units, incl. Algebra I, geometry, Algebra II and another higher-level course or 4-year equivalent sequence Science: 4 units, including biology, chemistry, and at least 1 unit advanced science Social studies: 4 units Foreign languages: 4 units, with at least 2 units for each foreign language studied Fine arts: 1 unit GPA: Maintain minimum 3.5 overall high school GPA on a 4-point scale up to the last grading period of the senior year ACT/SAT: Earn minimum composite score on 27 on ACT (excluding optional writing test) or minimum 1210 on combined verbal and math sections of SAT (excluding required writing section) <p>In addition, the student must</p> <ul style="list-style-type: none"> Participate fully in the required classroom instruction for 6 IB courses (with at least 3 at the higher level) Complete and submit for moderation all of the IB's internal assessments in each of the required diploma subjects (with a minimum of 3 high level subjects and a maximum of 											OAC 3301-16-02(H)(1) through (3)

⁶² Advanced sciences refer to courses in the Ohio core curriculum (education.ohio.gov) that are inquiry-based with laboratory experiences and align with the 11th/12th grade standards (or above), or with an AP science course, or with the new high school syllabi, or with an entry-level college course that prepares students for a college freshman level science class (e.g. anatomy, botany, or astronomy), or contain material above the current Ohio Graduation Test level.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		3 standard level subjects) <ul style="list-style-type: none"> Complete the required assessments for the theory of knowledge seminar (ibo.org) Complete and submit to the attending high school and to the International Baccalaureate Organization a completed extended essay that has been assessed by the school as having met IB criteria Complete the international baccalaureate's CAS (creativity, action, and service) requirements to the satisfaction of the school's CAS coordinator Complete all external assessments in each of the required 6 subjects as set and administered by the International Baccalaureate Organization. 											
Oklahoma ⁶³	Standard	4, incl. Grammar, Composition, Literature, or any English course approved for college admission reqts	3 units, all Algebra I or higher ⁶⁴	3, incl. 1 American history, .5 Oklahoma history, .5 U.S. govt., and 1 chosen from other specified courses ⁶⁵	3 lab ⁶⁶		1 fine arts or speech	See below 2 units same foreign language or two computer technology ⁶⁷ approved for college admission reqts	1 ⁶⁸		Students must complete the reqts for a personal financial literacy passport as set forth in the Passport to Financial Literacy Act	17	70 Okl.St. Ann. § 11-103.6(B)
Oklahoma	Waiver	4, incl. 1 grammar and composition	3, incl. Algebra I which may be taught in contextual methodology	3, incl. 1 U.S. history, .5 to 1 U.S. govt., .5 Oklahoma history	3, incl. biology, which may be taught in contextual methodology		2				Students must complete the reqts for a personal financial literacy passport as set forth in the Passport to Financial Literacy Act		70 Okl.St. Ann. § 11-103.6(C)
Oregon *	Standard	4, incl. equivalent 1 unit Written	3, incl. 1 Algebra I and 2 units above Algebra I	3, incl. history, civics, geography and economics	3	2, incl. 1 health education and 1 p.e.	See below 3 CTE, arts or world	See below 3 CTE,		See below 3 CTE, arts or world	-	24 (18 specified in reg)	OAR 581-022-1130(6)

⁶³ All unit requirements are framed as “units or sets of competencies”

⁶⁴ Limited to Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Calculus, Advanced Placement Statistics, or any math course with content and/or rigor above Algebra I and approved for college admission requirements. The state board must approve an AP computer science course to fulfill a math unit requirement if the course is taken in a student's senior year and the student is concurrently enrolled in or has successfully completed Algebra II.

⁶⁵ History, Government, Geography, Economics, Civics, or Non-Western culture and approved for college admission requirements

⁶⁶ Limited to biology, chemistry, physics, or any lab science course with content and/or rigor equal to or above biology and approved for college admission requirements

⁶⁷ Computer technology may be taught at a high school or a technology center school, and may include computer programming, hardware, and business computer applications, such as word processing, databases, spreadsheets, and graphics, excluding keyboarding or typing courses

⁶⁸ Chosen from English, math, lab science, history/citizenship, foreign language, computer technology or career and technology education

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		Composition		(including personal finance)			languages	arts or world languages		languages			
Pennsylvania*	Standard	Unit requirements set by local districts Through Class of 2016, must include: <ul style="list-style-type: none"> • Course completion and grades • Completion of a culminating project • Results of local assessments aligned with the academic standards and a demonstration of proficiency in English Language Arts and Math on either the state assessments administered in grade 11 or 12 or local assessments aligned with academic standards and state assessments at the proficient level or better Effective Class of 2017: <ul style="list-style-type: none"> • Course completion and grades • Demonstration of proficiency as determined by the school district, charter school or cyber charter school, or AVTS, in each of the state academic standards not assessed by a State assessment • Demonstration of proficiency or above in state academic standards in English Language Arts and Mathematics; Science and Technology and Environment and Ecology, as determined through any one or a combination of: <ul style="list-style-type: none"> ○ Completion of secondary level coursework in English Language Arts (Literature) (eff. Class of 2019 also includes a determination of proficiency in English Language Arts (Composition)), Algebra I and Biology in which a student demonstrates proficiency on the associated Keystone Exam or related project-based assessment ○ Locally approved and administered assessments ○ Completion of an AP exam or IB exam that includes academic content comparable to the appropriate Keystone Exam at a score established by the Secretary to be comparable to the proficient level on the appropriate Keystone Exam. 										22 Pa. Code § 4.24	
Rhode Island	Standard	4	4 (3 math courses and 1 math-related course)	3	3	-	-	-	6	-	Students must complete at least 2 performance-based diploma assessments, incl. graduation portfolios, exhibitions, comprehensive course assessments, or Certificate of Initial Mastery.	20	L-6-3.1
South Carolina	Standard	4	4	3, incl. 1 U.S. history and constitution, .5 economics, .5 U.S. gov't., 1 other social studies	3	1 p.e. or JROTC	-	See below 1 Foreign language or career and technology	7	1 computer science (including keyboarding) See below 1 Foreign language or	-	24	S.C. Code of Regulations R. 43-234(I)(A)

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation	
								education		career and technology education				
South Dakota *	Standard	4, incl. 1.5 writing, 1.5 literature (incl. .5 American lit.), .5 speech or debate, .5 language arts elective	3, incl. 1 Algebra I, 1 geometry, 1 Algebra II	3.5, incl. 1 U.S. history, .5 U.S. govt., .5 geography, .5 world history, .5 personal finance or economics	3 lab science, incl. 1 biology, 1 physical science, 1 chemistry or physics	.5 p.e. Eff. Class of 2017, 1, incl. .5 health or health integration and .5 p.e.	1 fine arts	See below Eff. Class of 2017, 1 unit in any combination CTE, capstone experience or service learning, or world language	-	-	-	22 (15 specified in reg; eff. Class of 2017, 16.5 specified in reg.)	ARSD 24:43:11:01, :02	
Tennessee	Standard	4	4, incl. Algebra I, geometry, Algebra II, 1 math course above Algebra I. All students must be enrolled in a math course each year.	3.5, incl. U.S. history, world geography, economics, govt., and .5 personal finance	3, incl. Biology I, chemistry or physics, and 1 add'l lab	1.5, incl. 1 Wellness and .5 p.e	1 fine arts	2	3	-	Satisfactory records of attendance and conduct. Local boards encouraged to require completion of capstone experience	22	Tenn. Comp. R. & Regs. 0520-01-03-.06(1)	
Tennessee	Endorsed (State Distinction)	A student is recognized as graduating with "state distinction" by earning a minimum "B" average and completing one of the following:											Tenn. Comp. R. & Regs. 0520-01-03-.06(c)(3)	
		<ul style="list-style-type: none"> Earn a nationally recognized industry certification Participate in at least 1 of the Governor's Schools Participate in 1 of the state's All State musical organizations Be selected as a National Merit Finalist or Semi-Finalist Earn min. 31 composite score on the ACT Earn min. 3 on at least two AP exams Complete the International Baccalaureate Diploma Program Earn min. 12 semester hours of transcribed postsecondary credit 												
Texas	Standard (Recommended) (no longer avail. eff. Class of 2018) ⁶⁹	4, incl. English I, II, III, IV	4, incl. 1 Algebra I, 1 geometry, 1 Algebra II. 4th unit may be Mathematical Models with Applications; must be	4, incl. 1 World History Studies, 1 World Geography Studies, 1 U.S. History Studies since 1877, .5 U.S. govt., .5	4, incl. 1 biology, 1 chemistry, 1 physics. 4th unit to be selected from specified courses	1 p.e.	1 fine arts	2 units same language	5.5	.5 speech	-	26	19 TAC § 74.73	

⁶⁹ A student who entered grade 9 before the 2012-13 school year (Class of 2015) or during 2012-13 or 2013-14 school years (Classes of 2016 and 2017) may complete requirements for foundation high school program, or minimum, recommended, or advanced/distinguished high school program. Student may complete requirements for minimum, recommended or advanced/distinguished program only

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
			completed before Algebra II. 4th unit may be selected from specified courses	Economics with Emphasis on the Free Enterprise System and Its Benefits									
Texas	Waiver (Min.) (no longer avail. eff. Class of 2018) ⁷⁰	4, incl. English I, II, III	3, incl. 1 Algebra I and 1 geometry. 3rd unit chosen from specified courses.	3, incl. 1 U.S. History Studies since e1877, .5 U.S. govt., .5 Economics with Emphasis on the Free Enterprise System and Its Benefits. 3rd unit chosen from World History Studies and World Geography Studies	2, incl. 1 biology and 1 Integrated Physics and Chemistry. Chemistry or physics unit may be substituted.	1 p.e.	1 fine arts	-	7.5, incl. 6.5 general electives and 1 academic elective chosen from World History Studies, World Geography Studies or specified science units	.5 speech	-	22	19 TAC § 74.72
Texas	Advanced (Distinguished) (no longer avail. eff. Class of 2018) ⁷¹	4, incl. English I, II, III, IV	4, incl. Algebra I, geometry, Algebra II. 4th unit chosen from specified courses after completion of Algebra I, geometry, Algebra II.	4, incl. 1 World History Studies, 1 World Geography Studies, 1 U.S. History Studies since 1877, .5 U.S. govt., .5 Economics with Emphasis on the Free Enterprise System and Its Benefits	4, incl. biology, chemistry, physics. 4th unit selected from specified lab courses	1 p.e.	1 fine arts	3 units same language	4.5	.5 speech Students encouraged to study each of the four foundation curriculum areas (English, math, science, and social studies) each year in high school.	Students must achieve four of any combination of advanced measures, incl. original research/project, min. score of 3 on AP exam, min. 4 on IB exam, min. specified score on PSAT, or college-level course with	26	19 TAC § 74.74

if the student was participating in that program before the 2014-2015 school year. Student in these graduating classes may complete requirements for foundation high school program if the student chooses during the 2014-2015 school year to take courses under this program. (19 TAC § 74.1021)

⁷⁰ A student who entered grade 9 before the 2012-13 school year (Class of 2015) or during 2012-13 or 2013-14 school years (Classes of 2016 and 2017) may complete requirements for foundation high school program, or minimum, recommended, or advanced/distinguished high school program. Student may complete requirements for minimum, recommended or advanced/distinguished program only if the student was participating in that program before the 2014-2015 school year. Student in these graduating classes may complete requirements for foundation high school program if the student chooses during the 2014-2015 school year to take courses under this program. (19 TAC § 74.1021)

⁷¹ A student who entered grade 9 before the 2012-13 school year (Class of 2015) or during 2012-13 or 2013-14 school years (Classes of 2016 and 2017) may complete requirements for foundation high school program, or minimum, recommended, or advanced/distinguished high school program. Student may complete requirements for minimum, recommended or advanced/distinguished program only if the student was participating in that program before the 2014-2015 school year. Student in these graduating classes may complete requirements for foundation high school program if the student chooses during the 2014-2015 school year to take courses under this program. (19 TAC § 74.1021)

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
											min. 3.0 grade.		
Texas	Standard (Foundation) (for all students eff. Class of 2018)	4, incl. English I, II, III and an advanced English course selected from specified courses	3, incl. 1 Algebra I, 1 geometry, 1 advanced math selected from specified courses	3, incl. 1 U.S. History Studies since 1877, .5 U.S. govt., .5 Economics with Emphasis on the Free Enterprise System and Its Benefits, 1 world history or world geography	3, incl. 1 biology, 1 chemistry or physics or Principles of Technology, and 1 lab science selected from specified courses	1 p.e.	1 fine arts	2 same language other than English ⁷²	5	-	See footnote ⁷³	22	V.T.C.A., Ed. Code § 28.025(b-1); 19 TAC § 74.11, 74.12
Texas	Advanced (Distinguished) (eff. Class of 2018)	Same as std.	4, incl. 1 Algebra I, 1 geometry, 1 Algebra II	Same as std.	4 science, incl. 1 biology, 1 advanced science and 1 integrated physics and chemistry or other advanced science course	Same as std.	Same as std.	Same as std.	Same as std.	Student must fulfill requirements for at least one endorsement (see below)		26 (22 + 4 add'l units required for an endorsement)	V.T.C.A., Ed. Code § 28.025(b-15); 19 TAC § 74.11(e)
Texas	Endorsement (eff. Class of 2018)	<p>Students are expected to earn 1 or more endorsements in addition to the credit requirements for the Foundation High School Program, unless the student's parent or person in loco parentis, after being advised by the school's counselor of the benefits of graduating from high school with one or more endorsements, files written permission on a Texas Education Agency-adopted form, allowing the student to graduate without earning an endorsement.</p> <p>To earn any endorsement, students must:</p> <ul style="list-style-type: none"> • Complete 26 units • Complete a 4th unit math chosen from specified courses • Complete an additional unit science chosen from specified courses (alternatives available for student pursuing an arts and humanities endorsement) • Two additional elective credits from courses listed in § 74.11(g), (h), or (i). <p>A student may earn one or more of the following five endorsements:</p> <p>Science, technology, engineering and mathematics (STEM): In addition to completing biology, chemistry and physics, a student must complete one of the following:</p> <ul style="list-style-type: none"> • A coherent sequence of courses for four or more units in CTE, including at least 2 units in same career cluster, and at least one advanced CTE course, which includes any course that is the third or higher course in a sequence • A coherent sequence of 4 computer science units • 3 math units, including Algebra II and 2 courses for which Algebra II is a prerequisite, chosen from selected courses • 4 science units, by completing completing chemistry, physics, and two additional science units chosen from selected courses • In addition to Algebra II, chemistry, and physics, a coherent sequence of three additional credits from no more than two of the four disciplines listed above. 										V.T.C.A., Ed. Code § 28.025(c-1), 19 TAC § 74.13	

⁷² Credits earned in Computer Science I, II, III before September 2016 may substitute for 2 units in same foreign language. Before or after September 2016, if a student, in completing the first unit of a language other than English, demonstrates that the student is unlikely to be able to complete the second unit, the student may substitute Special Topics in Language and Culture, World History Studies or World Geography Studies for a student who is not required to complete both by the local district, another credit selected from [Chapter 114](#) of education regulations (relating to Texas Essential Knowledge and Skills for Languages Other Than English), or computer programming languages.

⁷³ Student must demonstrated proficiency, as determined by local district, in delivering clear verbal messages; choosing effective nonverbal behaviors; listening for desired results; applying valid critical-thinking and problem-solving processes; and identifying, analyzing, developing, and evaluating communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		<p>Business and industry (including courses directly related to database management, information technology, communications, accounting, finance, marketing, graphic design, architecture, construction, welding, logistics, automotive technology, agricultural science, and heating, ventilation, and air conditioning):</p> <ul style="list-style-type: none"> • A coherent sequence of courses for four or more units in CTE, including at least two courses in the same career cluster, and at least one advanced CTE course, which includes any course that is the third or higher course in a sequence • 4 English elective credits, including three levels from any one of public speaking, debate, advanced broadcast journalism, advanced journalism: yearbook, or advanced journalism: newspaper. • 4 technology applications units selected from specified courses • A coherent sequence of 4 units from any of the 3 aforementioned areas. <p>Public services (including courses directly related to health sciences and occupations, education and training, law enforcement, and culinary arts and hospitality):</p> <ul style="list-style-type: none"> • A coherent sequence of courses for four or more units in CTE, including at least 2 units in same career cluster, and at least one advanced CTE course, which includes any course that is the third or higher course in a sequence • 4 units JROTC <p>Arts and humanities:</p> <ul style="list-style-type: none"> • 5 social studies units selected from specified courses • 4 levels of the same language other than English • 2 levels of the same language in a language other than English and 2 levels of a different language in a language other than English • 4 levels of American sign language • A coherent sequence of 4 units selected from 1-2 categories or disciplines of fine arts • 4 English elective credits selected from specified courses <p>Multidisciplinary studies:</p> <ul style="list-style-type: none"> • 4 advanced courses that prepare a student to enter the workforce successfully or postsecondary education without remediation from within 1 endorsement area or among endorsement areas that are not in a coherent sequence • 4 units in each of the four foundation subject areas to include English IV and chemistry and/or physics • 4 units in AP, IB, dual credit selected from English, mathematics, science, social studies, economics, languages other than English, or fine arts. 											
Utah *	Standard	4	3 ⁴ , incl. Algebra 1, Geometry, Algebra 2, or Secondary Mathematics I, II, III. After the 2014-15 school year, Secondary Mathematics I, II, III only	3, incl. .5 Geography for Life, .5 world civilizations, 1 U.S. history, .5 U.S. govt. and citizenship, .5 financial literacy	3, incl. 2 courses chosen from earth systems science, biological science, chemistry, physics or computer science, and 1 unit or from locally adopted/state approved list of applied or advanced science courses that meet specified criteria	2, incl. .5 health, .5 Participation Skills, .5 Fitness for Life, .5 Individualized Lifetime Activities	1.5 arts	-	6	1.5, incl. 1 CTE and .5 Computer Technology	Library Media Skills must be integrated into the subject areas	24	U.A.C. R277-700-6
Vermont	Standard	Vermont's Education Quality Standards (State Board of Education Rules, EQS) require that schools "enable students to engage annually in rigorous, relevant and comprehensive											Vermont's

⁷⁴ A student who successfully completes a Calculus course has completed mathematics graduation requirements, regardless of the number of mathematics credits earned.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		learning opportunities that allows them to demonstrate proficiency in ... mathematical content and practices (including numbers, operations, and the concepts of algebra and geometry by the end of grade 10)....” Graduation requirements are established at the local level in reference to the requirements above. EQS also requires that the graduation of the current 7 th graders will be based on the demonstration of proficiency against the standards related to the requirements above. Some schools may apply this proficiency-based approach to students graduating prior to 2020, but are not required to do so. It is likely that graduation decisions prior to 2020 will continue to be based on the accumulation of Carnegie units.											Education Equality Standards 2120.7
Current statewide Carnegie unit graduation requirements unclear.													
Virginia	Standard	4	3, incl. min. 2 courses chosen from Algebra I, Geometry, Algebra, Functions and Data Analysis, Algebra II, or other math courses above the level of Algebra II	4, incl. U.S. and Virginia History, U.S. and Virginia govt., and one course in either world history or geography or both, and 1 personal finance	3 lab, incl. courses from at least 2 science disciplines (earth sciences, biology, chemistry, physics) or completion of IB diploma science sequence	2 “health and physical education ”	See below 2 foreign language, fine arts or CTE (must include 1 either fine or performing arts or CTE)	See below 2 foreign language, fine arts or CTE (must include 1 either fine or performing arts or CTE)	4, incl. at least two sequential electives	See below 2 foreign language, fine arts or CTE (must include 1 either fine or performing arts or CTE)	- Eff. Class of 2017, all students must earn CTE credential. All students must complete 1 virtual course, which may be noncredit-bearing course or a required or elective credit-bearing course	22	Standard reqts. on VA DOE website (for pre-Class of 2017); 8 VAC 20-131-50(B)
Virginia	Advanced Studies (Recommended)	4	4, , incl. min. 3 courses chosen from Algebra I, Geometry, Algebra II, or other math courses above the level of Algebra II	5, incl. U.S. and Virginia History, U.S. and Virginia govt., and two courses in either world history or geography or both, and 1 economics and personal finance	4 lab, incl. courses from at least 3 science disciplines (earth sciences, biology, chemistry, physics) or completion of IB diploma science sequence	2 “health and physical education ”	See below 1 fine arts or CTE	3 units 1 language or 2 units in 2 languages (may include ASL)	3	See below 1 fine arts or CTE	- Eff. Class of 2017, all students must complete one virtual course, which may be a noncredit-bearing course, or a required or elective credit-bearing course	26	Advanced reqts. on VA DOE website (for pre-Class of 2017); 8 VAC 20-131-50(C)
Virginia	Awards for exemplary performance	<p>Governor’s Seal: Students completing Advanced Studies Diploma must also:</p> <ul style="list-style-type: none"> • Complete with average “B” or better • Complete college coursework (i.e., AP, IB, Cambridge or dual enrollment) resulting in min. 9 transferable college credits <p>Board of Education Seal: Students completing Advanced Studies or Standard Diploma must also:</p> <ul style="list-style-type: none"> • Complete with average “A” <p>Board of Education’s Career and Technical Seal: Students completing Advanced Studies or Standard Diploma must also:</p>											8 VAC 20-131-50(H)

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
		<ul style="list-style-type: none"> Complete course sequence in CTE concentration or specialization Maintain min. "B" average <p>OR</p> <ul style="list-style-type: none"> Pass an examination or an occupational competency assessment in a CTE concentration or specialization that confers certification or occupational competency credential from a recognized industry, trade or professional association <p>OR</p> <ul style="list-style-type: none"> Acquire a professional license in that CTE field from the Commonwealth of Virginia. <p>Seal of Advanced Mathematics and Technology Students completing Advanced Studies or Standard Diploma must also:</p> <ul style="list-style-type: none"> Satisfy all math requirements for Advanced Studies diploma with a min. "B" average and one of the three: <ul style="list-style-type: none"> Pass a CTE exam that confers certification from a recognized industry, or trade or professional association Acquire a professional license in a CTE from the Commonwealth of Virginia Pass an exam approved by the board that confers college-level credit in a technology or computer science area <p>Board of Education's Seal for Excellence in Civics Education Students completing Advanced Studies or Standard Diploma must also:</p> <ul style="list-style-type: none"> Complete Virginia and U.S. History and Virginia and U.S. Government courses with a min. "B" Have good attendance and no disciplinary infractions as determined by local school board policies Complete 50 hours of voluntary participation in community service or extracurricular activities. Any student who enlists in the U.S. military prior to graduation will be deemed to have met this community service requirement. 											
Washington * (alternative eff. through Class of 2018)⁷⁵	Standard	4	3, incl. Algebra I, geometry, Algebra II or Integrated Math I, II, III (CTE equivalents may substitute for any of these) Eff. Class of 2018: Algebra I and geometry or Integrated Math I and II, and 3 rd unit ⁷⁶	3, incl. 1 U.S. history, 1 "contemporary world history, geography, and problems" ⁷⁷ , .5 civics, .5 social studies elective plus successful completion of Washington state history and govt. ("noncredit requirement in regulation)	2, incl. 1 lab Eff. Class of 2018: 3, incl. 2 lab and 3 rd unit ⁷⁸	2, incl. .5 health, 1.5 fitness	1 visual or performing arts Eff. Class of 2018: 2 visual or performing arts. 1 may be replaced with a personalized pathway reqt.	- Eff. Class of 2018: 2 world language or personalized pathway ⁷⁹	4	1 occupational education ⁸⁰ Eff. Class of 2018: 1 CTE See below Eff. Class of 2018: 2 world language or personalized pathway	-	20 Eff. Class of 2018: 24	WAC 180-51-067 and -068; RCW 28A.230.097
West	Standard	4, incl.	4, incl. Math I	4, incl. 1 World	3, incl. 1	2, incl. 1	1 arts	-	6, incl. 4	-	-	24	W. Va.

⁷⁵ Districts may apply for a waiver such that updated graduation requirements go into effect with Class of 2019 or Class of 2020.

⁷⁶ 3rd unit to align with the student's interests and high school and beyond plan, and prepare the student to meet state standards for graduation under the state graduation assessment and approved by student's parent/guardian, or if unavailable or has no preference, by school counselor or principal

⁷⁷ Courses in economics, sociology, civics, political science, international relations, or related courses with emphasis on contemporary world problems may be accepted as equivalencies.

⁷⁸ 3rd unit to align with the student's interests and high school and beyond plan, and prepare the student to meet state standards for graduation under the state graduation assessment and approved by student's parent/guardian, or if unavailable or has no preference, by school counselor or principal

⁷⁹ A "personalized pathway" is up to 3 units chosen by a student and identified in a student's high school and beyond plan, to prepare the student to meet specific post-secondary career or educational goals.

⁸⁰ Credits resulting from a series of learning experiences designed to assist the student to acquire and demonstrate competency of skills, and which skills are required for success in current and emerging occupations. At a minimum, these competencies shall align with the definition of an exploratory course as contained in the CTE program standards of the office of the superintendent of public instruction.

State	Diploma Type	English	Math	Social Studies	Science	P.E./ Health	Arts	Foreign Lang.	Electives	Other course reqts.	Non-course reqts.	Total # units	Citation
Virginia		English 9, 10, 11 and 12 (or English 12 CR or Transition English Language Arts for Seniors)	and II, Math III or Math III LA or Math III TR, Math IV or Math IV TR or Transition Math for Seniors or other option	Studies (grade 9), 1 U.S. studies (grade 10), 1 Contemporary Studies, 1 Civics for the Next Generation	physical science (grade 9), 1 biology (grade 10), 1 add'l lab	health and 1 p.e.			units in Professional Pathway or Skilled Pathway and 2 general electives Eff. Class of 2018: 6, incl. 4 Personalized Education Plan and 2 general electives ⁸¹				Code St. R. § 126-42-5
Wisconsin	Standard	4, incl. writing composition	3; may include approved computer science or CTE course	3, incl. state and local govt.	3; may include approved agriculture or CTE course	2, incl. .5 health (taken in any grades 7-12) and 1.5 p.e.	-	-	-	-	-	17 ⁸²	W.S.A. 118.33(1)(a), (am)
Wisconsin	CTE Diploma	A local board may award a technical education high school diploma to any student who, in addition to completing standard state and local high school graduation requirements, successfully completes a technical education program, established by the school board, in 1 or more subjects. In establishing a technical education program for these purposes, the school board may incorporate standards for industry-recognized certifications. The board must indicate on a pupil's technical education high school diploma the certifications attained.										W.S.A. 118.33(1)(g)	
Wyoming	Standard	4	3	3	3	-	-	-	-	-	-	13	W.S. § 21-2-304 (a)(ii); WY Rules and Regulations EDU GEN Ch. 31 s 8

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⁸¹ Each student's Personalized Education Plan (PEP) will identify the 4 units that will lead directly into placement in entry-level credit-bearing academic college courses, an industry-recognized certificate or license, or workforce training programs. Best practices encourage students to take at least one AP or AC course with corresponding exam, a 4th science unit and 2 units in one world language, and/or 4 units cumulating in acquisition of a recognized CTE credential.

⁸² The state superintendent must encourage school boards to require an additional 8.5 credits selected from any combination of vocational education, foreign languages, fine arts and other courses.

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