



Staying on Course

University System of Georgia

High School Curriculum Requirements

www.usg.edu/student_affairs

The Office of Student Affairs

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The high school curriculum is the cornerstone of the University System of Georgia (USG) admissions policy. This document reflects the minimum USG unit requirements in each of the academic subject areas. Students should pursue a challenging and rigorous high school curriculum to be best prepared for a successful college experience and should consult with their high school counselor to determine appropriate coursework. The following high school requirements must be met by all freshmen applicants and transfer applicants with less than 30 transferable semester hours. Students should contact their college or university of interest to learn about any additional institution-specific admission requirements that may apply.

Carnegie Unit Requirements	
Carnegie Unit Requirement	In Specific Subject Areas
4 Carnegie units of college preparatory English	Literature (American, English, World) integrated with grammar, usage and advanced composition skills
4 Carnegie units of college preparatory mathematics	Mathematics I, II, III and a 4th unit of mathematics, or equivalent courses or Algebra I and II, geometry and a 4th unit of advanced math, or equivalent courses <i>See page 7 for the courses that may satisfy the 4 math units.</i>
4 Carnegie units of college preparatory science (3 Carnegie units required for students graduating high school prior to 2012)	The 4 science units should include two courses with a laboratory component. Georgia public high school students should have at least one unit of biology, one unit of physical science or physics, one unit of chemistry, earth systems, environmental science, or an advanced placement course, and a 4th science. <i>See page 6 for the courses that may satisfy the 4th science requirement.</i> <i>Students satisfying the 4th science requirement with a computer science course may not use that same computer science course towards satisfying the foreign language/American Sign Language/Computer Science requirement.</i>
3 Carnegie units of college preparatory social science	Must include one unit focusing on U.S. studies and one unit focusing on world studies
2 Carnegie units of the same foreign language or 2 units of American Sign Language or 2 units of computer science	The 2 units of the same foreign language must have an emphasis on speaking, listening, reading and writing. The 2 units of computer science must have a coding and programming emphasis. <i>Georgia public high school students satisfying the requirement through the computer science option must select from the approved courses provided on page 9.</i> <i>Students satisfying this requirement through the computer science option may not use the same courses to satisfy the 4th science unit.</i>

FREQUENTLY ASKED QUESTIONS

GENERAL

How many total academic units must I complete in order to be considered for regular admission to a University System of Georgia (USG) college or university?

Students who graduated high school prior to 2012 must have completed a total of 16 academic units consisting of 4 English, 4 mathematics, 3 science, 3 social science and 2 foreign language. Students graduating in 2012 or later must complete a total of 17 academic units, consisting of 4 English, 4 mathematics, 4 science, 3 social science and 2 foreign language.

Should I pursue a challenging and rigorous high school curriculum?

Yes, in order to be best prepared for college, students are encouraged to take a challenging and rigorous high school curriculum. Students should consult with their high school counselor and parents to select courses suitable to their ability level in each subject area.

What else do colleges look for in addition to the completion of the high school curriculum?

While the rigor of the high school curriculum is very important, it is not the only factor considered when determining an applicant's potential to succeed in college and eligibility for admission. The grade point average (GPA) in academic courses and standardized test results (SAT and ACT) are also considered. Information regarding these requirements can be found online at

https://secure.gacollege411.org/College_Planning/Prepare_for_College/Entrance_Requirements/USG_College_Entrance_Requirements/default.aspx. Some colleges also have additional requirements. Prospective students should check with the college admission office for additional information.

If I attend a private school or a public high school located outside of Georgia and my high school course titles do not match the titles utilized by the Georgia Department of Education, how do I know if my courses will satisfy the USG's Required High School Curriculum (RHSC)?

The course titles and numbers listed in this document reflect those utilized by the Georgia Department of Education; however, the USG colleges and universities will give consideration to similar courses taken by those attending a private school or a public high school outside of Georgia. Additional information, such as course descriptions, may be requested by the college so they can evaluate a course to determine if it may be used towards satisfying the RHSC.

I will graduate from a Georgia public high school but will have participated in the Georgia Alternative Assessment. Will I be eligible for admission to a University System of Georgia institution?

Students graduating from a Georgia Public High School having participated in the Georgia Alternative Assessment are not eligible for admission to a University System of Georgia institution.

SCIENCE

I will graduate high school in 2012 or later, how many science classes should I complete?

Students graduating high school in 2012 or later must complete a total of 4 units of science and 2 of the units should have a laboratory component. Students graduating from a Georgia public high school should have at least one unit in biology, one unit of physical science or physics, one unit of chemistry, earth systems, environmental science, or an advanced placement course, and a fourth science from the list of approved science courses found in this document. Students who graduated prior to 2012 are only required to have 3 science units and those units should include at least one lab course from life sciences and one lab course from the physical sciences.

My school or school system only offers physical science in the 8th grade, will I be considered deficient if I don't take it in high school?

Students enrolled in Georgia private high schools and high schools in other states often complete physical science while in the eighth grade and then take three or more additional science units in high school. Consequently, students from private high schools and public high schools in other states can count physical

science courses taken in the eighth grade as one of the 4 required science units. Georgia public high school students who take high school physical science while in middle school can also count that course provided their high school includes the credit for that high school course on their high school transcript.

If I graduate from a private high school or from an out-of-state public high school, am I required to complete 4 science units?

Yes, students graduating from a private high school or an out-of-state public high school are required to complete four science units, including two courses with a laboratory component. At least one course should be from the life sciences and one course should be from the physical sciences.

My high school offers several science course options, each counting as a partial unit, which can count towards satisfying the fourth science unit required for high school graduation. Can courses counting as a partial unit be used to satisfy the fourth science unit of the Required High School Curriculum (RHSC)?

Yes, students may take a combination of science courses to satisfy the fourth science unit provided the total credit earned equals a full unit.

The science courses offered at my high school include life science and physical science content in each course. Can these courses count towards the four required college preparatory science units?

Yes, provided the total content is equivalent to taking four units of science. The content must be the equivalent of two units with a laboratory component and should include the equivalent of at least one unit from the life sciences and one unit from the physical sciences.

I attend a Georgia public high school so why does my science course not appear on the approved course list found in this document? Does this mean it cannot be used to satisfy the Required High School Curriculum (RHSC)?

Only those courses approved by the USG faculty review committee are included in this document and can be used to satisfy the RHSC. The list of courses that have not been approved can be found online at www.usg.edu/student_affairs/documents/USG_RHSC_Course_Review.pdf.

If I take two approved computer science courses to satisfy the Foreign Language/American Sign Language/Computer Science requirement, can I also use one of those computer science courses to satisfy the 4th science requirement?

No, an approved computer science course may only be used towards the science requirement or the Foreign Language/American Sign Language/Computer Science requirement. One course may not be used to satisfy two RHSC requirements.

FOREIGN LANGUAGE/AMERICAN SIGN LANGUAGE/COMPUTER SCIENCE

Should I take a foreign language in high school?

While the Georgia Department of Education no longer requires students to complete two units of a foreign language for high school graduation, the University System of Georgia does require the completion of two years of the same foreign language, two units of American Sign Language, or two units of approved Computer Science courses.

If I have taken a unit of foreign language in middle school, can it count towards satisfying the USG's RHSC?

Yes, foreign language units taken in middle school may count towards satisfying the USG's RHSC. Students who have taken foreign language in middle school should be sure to submit their transcript showing the credit earned.

Which computer science courses can count towards satisfying the foreign language/American Sign Language/Computer Science requirement?

Only those computer science courses with an emphasis on coding and programming may satisfy this area of the RHSC. The list of approved courses is provided on page 9 of this document.

If I take one unit of a foreign language and one unit of computer science, will I have satisfied the requirement?

No, students must successfully complete two units of the same foreign language, or two units of American Sign Language, or two units of approved computer science courses.

If I take two approved computer science courses to satisfy the Foreign Language/American Sign Language/Computer Science requirement, can I also use one of those computer science courses to satisfy the 4th science requirement?

No, an approved computer science course may only be used towards the science requirement or the Foreign Language/American Sign Language/Computer Science requirement. One course may not be used to satisfy two RHSC requirements.

MATHEMATICS

Which math classes should I take in high school?

Students on a discrete math curriculum should complete 4 units of math which should include Algebra I and II, geometry and a fourth year which should consist of advanced algebra and trigonometry, algebra III, pre-calculus, discrete mathematics, calculus, statistics, IB mathematics or analysis, or equivalent courses.

Students on an integrated math curriculum should complete 4 units of math, which should include Mathematics I, II, III and a fourth unit of math from the approved list found in this document, or equivalent courses. A list of sample math sequences can be found online at

www.usg.edu/student_affairs/documents/USG_RHSC_and_HS_Math_Sequencing.pdf. Students should keep in mind that not all sequences prepare students for admission to all USG institutions, particularly those with selective admissions, and may not be appropriate for students planning to enter into a STEM major in college. Students should contact their college or university for more information.

If I complete Mathematics I and II, Mathematics Support III and Mathematics III, but will not take a math course beyond Math III, will I be considered as having satisfied the USG's RHSC in math?

In support of the Georgia Department of Education's efforts to successfully implement new mathematics curriculum options across the state, the University System has agreed to consider students graduating in 2012, 2013 or 2014, and completing the following sequence of courses, to have satisfied the RHSC:

Mathematics I (or GPS Algebra)

Mathematics II (or GPS Geometry)

Mathematics Support III (or GPS Advanced Algebra Support)

Mathematics III (or GPS Advanced Algebra)

Students should keep in mind that the completion of the above sequence of courses may not prepare them for admission to all University System of Georgia colleges and universities, particularly those with selective admissions. In addition, the above sequence may not be appropriate for STEM majors.

Can Accelerated Mathematics courses count towards satisfying the USG's Required High School Curriculum (RHSC) in the area of Mathematics?

Yes, Accelerated Mathematics courses can count towards satisfying the RHSC. Students must complete through Mathematics III or Algebra II (or an equivalent course or higher) and take one additional unit of advanced mathematics from the approved list found in this document.

If I complete an accelerated integrated mathematics course (i.e. Accelerated Mathematics I) one year and an on-level integrated mathematics course (i.e. Mathematics II) the following year, will this count towards satisfying the University System of Georgia's Required High School Curriculum (RHSC) in the area of mathematics?

Yes, students who complete an Accelerated Mathematics course one year, and who take an on-level mathematics course the following year, may remain on-track for completing the USG's RHSC provided they complete four total units of mathematics which includes through Mathematics III or Algebra II (or an equivalent course or higher) and one additional unit from the approved list found in this document. For

example, a student completing Accelerated Mathematics I, Mathematics II, Mathematics III and Mathematics IV would be considered as having completed the USG's Required High School Curriculum.

I've taken a math course but it does not appear on the list. Does that mean it cannot be used to satisfy the USG's Required High School Curriculum (RHSC)?

The University System and the Georgia Department of Education work collaboratively to identify courses that may be used to satisfying the USG's RHSC. Only those courses recommended by the USG faculty review committee are included on the Staying on Course document. The list of courses that have been reviewed but not approved is maintained by the Office of Student Affairs and can be found online at www.usg.edu/student_affairs/documents/USG_RHSC_Course_Review.pdf.

COURSES THAT MAY BE USED TO SATISFY THE SCIENCE REQUIREMENT

ACADEMIC COURSES		CTAE COURSES	
26.01200	Biology I (Grades 9-12)	01.46100	General Horticulture and Plant Science
26.01300	Biology II (Grades 9-12)	02.42100	Animal Science Technology/Biotechnology
26.01400	AP Biology	02.42200	Equine Science
26.01500	Genetics	02.44100	Plant Science and Biotechnology
26.01800	IB Biology SL	03.41100	Natural Resources Management
26.01900	IB Biology HL	03.45100	Forest Science
26.03100	Botany	20.41400	Food for Life
26.05100	Microbiology	20.41810	Food Science
26.06100	Ecology	20.41710	Food & Nutrition Through the Lifespan
26.06110	Environmental Science	21.45100	Energy and Power Technology
26.06200	AP Environmental Science	21.45300	Advanced AC and DC Circuits
26.06300	IB Environmental Systems	21.45700	Appropriate and Alternative Energy Techno.
26.06400	Advanced Genetics/DNA Research	25.44000	Essentials of Healthcare
26.06500	Epidemiology	25.44600	Sports Medicine
26.07100	Zoology	25.57000	Essentials of Biotechnology
26.07200	Entomology	25.56800	Introduction to Biotechnology
26.07300	Human Anatomy/Physiology	25.56900	Applications of Biotechnology
40.01100	Physical Science	Other Acceptable Courses	
40.02100	Astronomy		
40.04100	Meteorology	11.01600	AP Computer Science A*
40.05100	Chemistry I	11.01700	IB Computer Science, Year One*
40.05200	Chemistry II	11.01710	IB Computer Science, Year Two*
40.05300	AP Chemistry	11.47100	Computer Science Principles*
40.05500	IB Chemistry SL	11.47200	Programming, Games, Apps and Society*
40.05600	IB Chemistry HL	<i>*Students satisfying the 4th science requirement with one of the above approved computer science course may not use that same computer science course towards satisfying the Foreign Language/American Sign Language/Computer Science requirement.</i>	
40.05700	Organic Chemistry		
40.05800	Biochemistry		
40.05900	Materials Chemistry		
40.06300	Geology		
40.06400	Earth Systems		
40.07100	Oceanography		
40.08100	Physics I		
40.08200	Physics II		
40.08300	AP Physics B		
40.08310	AP Physics I		
40.08320	AP Physics II		
40.08410	AP Physics C: Mechanics		
40.08420	AP Physics C: Electricity and Magnetism		
40.08500	IB Physics SL		
40.08600	IB Physics HL		
40.08700	Environmental Physics		
40.08800	Special Topics in Modern Physics		
40.08900	AP Principles/Robotics		
40.09100	Advanced Scientific Internship		
40.09200	Advanced Scientific Research		
40.09230	Scientific Research III		
40.09240	Scientific Research IV		
40.09300	Forensic Science		
40.09400	Chemical & Material Science Engineering		
40.09500	IB Design Technology SL		
40.09600	IB Design Technology HL		
40.09700	IB Marine Science, Year One		
40.09710	IB Marine Science, Year Two		

COURSES THAT MAY BE USED TO SATISFY THE MATHEMATICS REQUIREMENT

27.04300	GPS Advanced Algebra Support (2012, 2013 and 2014 graduates only)**
27.04600	Mathematics Support III (2012, 2013 and 2014 graduates only)**
27.05100	Statistics
27.05220	International Baccalaureate (IB) Mathematics Mathematical Methods
27.05240	International Baccalaureate (IB) Mathematical Studies SL
27.06100	Algebra I
27.06200	Informal Geometry
27.06210	GPS Algebra
27.06220	GPS Geometry
27.06230	GPS Advanced Algebra
27.06240	GPS Pre-Calculus
27.06300	Euclidean Geometry
27.06400	Algebra II
27.06500	Advanced Algebra and Trigonometry
27.06610	Algebra III
27.06700	Analysis (Pre-Calculus)
27.06900	Discrete Mathematics
27.07100	Calculus (course number retired-current number is 27.078)
27.07200	Advanced Placement (AP) Calculus AB
27.07300	Advanced Placement (AP) Calculus BC
27.07400	Advanced Placement (AP) Statistics
27.07700	Multivariable Calculus
27.07800	Calculus
27.07910	College Statistics A
27.07920	College Statistics B
27.08000	Engineering Calculus
27.08010	College Calculus A
27.08020	College Calculus B
27.08100	Mathematics I – Algebra/Geometry/Statistics
27.08200	Mathematics II – Geometry/Algebra II/Statistics
27.08300	Mathematics III – Advanced Algebra/Statistics
27.08400	Mathematics IV – Pre-Calculus-Trigonometry/Statistics
27.08500	Advanced Mathematical Decision Making
27.08600	Mathematics of Industry and Government
27.08800	Statistical Reasoning
27.09100	Accelerated Mathematics I – Geometry/Algebra II/Statistics
27.09200	Accelerated Mathematics II – Advanced Algebra/Geometry/Statistics
27.09300	Accelerated Mathematics III – Pre-Calculus-Trigonometry/Statistics
27.09400	Accelerated GPS Algebra/Geometry
27.09500	Accelerated GPS Geometry/Advanced Algebra
27.09600	Accelerated GPS Pre-Calculus
27.09710	CCGPS Coordinate Algebra
27.09720	CCGPS Analytic Geometry
27.09730	CCGPS Advanced Algebra
27.09740	CCGPS Pre-Calculus
27.09750	Accelerated CCGPS Coordinate Algebra/Analytic Geometry A
27.09760	Accelerated CCGPS Analytic Geometry B/Advanced Algebra
27.09770	Accelerated CCGPS Pre-Calculus

***Courses may not prepare students for admission to all University System of Georgia colleges and universities, particularly those with selective admissions, and may not be appropriate for students planning to enter into a STEM major in college.*

COURSES THAT MAY BE USED TO SATISFY THE SOCIAL SCIENCE REQUIREMENT

COURSES FOCUSING ON WORLD STUDIES

45.08110	Advanced Placement World History
45.08300	World History
45.07110	World Geography
45.07700	Advanced Placement Human Geography

COURSES FOCUSING ON U.S. STUDIES

45.08100	United States History
45.08200	Advanced Placement United States History
45.08700	International Baccalaureate History of the Americas SL (US History)

COURSES THAT MAY BE USED TO SATISFY THE THIRD UNIT OF SOCIAL SCIENCE

In addition to any of the above, any of the following:

45.01100	Comparative Religions
45.01200	Current Issues
45.01300	Technology and Society
45.01310	International Baccalaureate Information Technology in a Global Society SL
45.01320	International Baccalaureate Information Technology in a Global Society HL
45.01400	The Humanities/Social Studies
45.01500	Psychology
45.01600	Advanced Placement Psychology
45.01700	International Baccalaureate Psychology
45.02100	Anthropology
45.03100	Sociology
45.03200	Ethnic Studies
45.05200	Advanced Placement Government/Politics: United States
45.05300	Advanced Placement Government/Politics: Comparative
45.05500	Constitutional Theory
45.05600	The Individual and Law
45.05700	American Government/Civics
45.05800	Ethics and the Law
45.06100	Economics/Business/Free Enterprise
45.06200	Advanced Placement Microeconomics
45.06300	Advanced Placement Macroeconomics
45.06400	Comparative Political/Economic Systems
45.06500	International Baccalaureate Economics SL
45.07200	Asian Studies
45.07300	Latin American Studies
45.07400	Middle Eastern Studies
45.07500	Sub-Saharan Studies
45.07600	Local Area Studies/Geography
45.07700	Advanced Placement Human Geography
45.07800	International Baccalaureate Geography SL
45.08120	U.S. History in Film
45.08400	Advanced Placement European History
45.08500	Georgia History
45.08600	Local Area Studies/History
45.08900	Modern U.S. Military History, 1918-present
45.08910	Early U.S. Military History
45.08920	Recent U.S. Presidents
45.8930	International Baccalaureate History of the Americas HL
45.09100	United States and World Affairs
45.09200	World Area Studies

COURSES THAT MAY BE USED TO SATISFY THE ENGLISH REQUIREMENT

23.03400	Advanced Composition
23.04300	Advanced Placement Language/Composition
23.05100	American Literature/Composition
23.05200	British Literature/Composition (previously English Literature/Composition)
23.05300	Advanced Placement English Language and Composition/American Literature
23.06100	Ninth Grade Literature and Composition
23.06120	International Baccalaureate English B SL
23.06130	International Baccalaureate English B HL
23.06200	Tenth Grade Literature and Composition
23.06300	World Literature/Composition
23.06400	Literary Types/Composition
23.06500	Advanced Placement English Literature and Composition
23.06600	Contemporary Literature/Composition
23.06700	Multicultural Literature/Composition
23.06800	International Baccalaureate English SL (American Literature)
23.06900	International Baccalaureate English HL (World Literature)

COMPUTER SCIENCE COURSES THAT MAY BE USED TO SATISFY THE FOREIGN LANGUAGE/AMERICAN SCIENCE LANGUAGE/COMPUTER SCIENCE REQUIREMENT

11.01600	AP Computer Science A
11.01700	IB Computer Science, Year One
11.01710	IB Computer Science, Year Two
11.47100	Computer Science Principles
11.47200	Programming, Games, Apps and Society

Students satisfying the Foreign Language/American Sign Language/Computer Science requirement through the computer science option may not use the same courses to satisfy the 4th science requirement.

NOTES

Course titles and numbers listed in this document reflect those utilized by the Georgia Department of Education. Consideration should be given to similar courses for students attending private and out-of-state high schools.

All other AP and IB courses may be considered in the appropriate subject area.

Courses designed for students in the Georgia Alternative Assessment are not considered (courses beginning with “Access”).

Students who graduate from a Georgia public high school having participated in the Georgia Alternative Assessment will not be eligible for admission to a USG institution.

Students should contact their college or university of interest to learn about any additional institution-specific admission requirements that may apply.

Please visit the “College Planning” tab of the GAcolllege411.org website and click on “Explore Schools” to learn more about institution admission requirements and to view institution contact information. Questions regarding admission to a specific University System of Georgia institution should be directed to the institution. General questions regarding this document may be directed to the University System of Georgia’s Office of Student Affairs by emailing student-affairs@usg.edu or calling 404-962-3110.