

ALL COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

LANGUAGE ARTS COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

About This Section: Following are descriptions for English courses offered at Grayson High School. Each Grayson High School student must take 9th and 11th grade Language Arts, which includes the End of Course Test in the respective course.

COURSE DESCRIPTIONS LANGUAGE ARTS

9th Grade Literature and Composition - Required - 2 Semesters, Requires state End of Course assessment. This course includes a balance of composition, applied grammar, and both literary and informational texts, with a focus on world literature and documents from American history. Students will analyze and respond to complex texts appropriate for 9th graders. Developing vocabulary, speaking, listening, researching, and test-taking skills are integral parts of the course curriculum.

10th Grade Literature and Composition - This course includes a balance of composition, applied grammar, and both literary and informational texts, with a focus on world literature and documents from world and American history. Students will analyze and respond to increasingly complex texts appropriate for 10th graders. Developing vocabulary, speaking, listening, researching, and test-taking skills are integral parts of the course curriculum.

11th Grade American Literature and Composition - Required (AP English Language and Composition with American Literature focus may satisfy this requirement with permission.) Requires state End of Course assessment. This course includes a balance of composition, applied grammar, and both literary and informational texts, with a focus on American historical documents and literature. Developing vocabulary, speaking, listening, researching, and test-taking skills are integral parts of the course curriculum.

AP English Language and Composition (with American Literature focus) – 11th Grade students become skilled readers of prose (with an emphasis on American literature) and skilled writers who compose for a variety of purposes. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

12th Grade British Literature and Composition - (AP English Language and Composition or AP English Literature and Composition may satisfy this requirement with permission.) This course includes a balance of composition, applied grammar, and literary and informational texts, with a focus on American and British authors and historical documents, and a comparative analysis of them. Developing vocabulary, speaking, listening, researching, and test taking skills are integral parts of the course curriculum.

AP English Literature and Composition - Gr. 12 (May count for 12th Grade British Literature and Composition with permission.) This survey course engages students in the careful reading and critical analysis of literature. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

Advanced Composition - Elective or Core - This course is offered as an embedded credit with many of our Grayson Technical School courses as well as our Dual Enrollment program. The course uses a variety

of media and literature, and focuses on developing the student's writing skills. Successful completion of this course will satisfy either the 10th or 12th grade Language Arts requirement.

Journalism/Yearbook - Elective - Up to 8 Semesters – Gr. 9–12 Prerequisite - Recommendation from Yearbook Advisor. This course provides students who are interested in journalism with an opportunity to explore and to experience the process involved in the creation of a large publication, including preplanning, designing layouts, copyrighting, proofreading, organizing visuals, and managing finances, all of which involve creativity. This course involves the production and sale of the yearbook. See page 37 to learn more about the Journalism Pathway.

Library Science I - Elective - 2 Semesters - Gr. 10–12 Prerequisite - Recommendation of Media Specialist. Students are introduced to the classification, location, and use of media center resources and the use and care of instructional equipment. Issues of legality, including copyright and the appropriate use of online resources, are studied. Library science and information literacy skills are taught through media activities. This course is an academic elective.

MATH COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

Before graduation, each student must have four full credits of mathematics. Each student must successfully complete Algebra, Geometry, and Algebra 2 or their equivalent. The fourth math course has a tremendous amount of flexibility and any middle school credit for math will satisfy the fourth year Science requirement.

Algebra I - Requires state End of Course assessment. This is the first in a sequence of mathematics courses designed to allow students to complete pre-calculus in their high school program and enter college at the Calculus level. It includes linear, quadratic, and exponential expressions; functions and their graphs; simple equations; sample statistics; and curve fitting. ***Every student MUST have successfully completed this course either in middle school or high school to graduate.***

Algebra I Strategies - Elective - The purpose of this elective is to provide additional support to students who have difficulty meeting math AKS on grade level. This course is taken concurrently with Algebra I, giving extra time and using a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

Geometry - Requires state End of Course assessment. Prerequisite - Algebra I. This is the second in a sequence of mathematics courses designed to prepare students to enter college at the calculus level. It includes transformations in the coordinate plane, similarity, congruence and proof; right triangles and right triangular trigonometry; properties of circles; and statistical inference.0

Geometry Strategies - Elective - The purpose of this elective is to provide additional support to students who have difficulty meeting math AKS on grade level. This course is taken concurrently with Geometry, giving extra time and using a variety of strategies to help students build a stronger foundation for success in their current and future mathematics courses.

Accelerated. Geometry - Requires state End of Course assessment. Prerequisite - Accelerated. Algebra I. This is the second in a sequence of mathematics courses designed to prepare students to take AP Calculus AB or BC in their high school program. The course incorporates 1½ years of content in the standard math sequence. It includes exponential, logarithmic, and higher degree polynomial functions; rational and radical relationships; mathematical modeling; and population means, standard deviations, and normal distributions.

Algebra II - Prerequisite – Geometry. This is the third in a sequence of mathematics courses designed to prepare students to enter college at the calculus level. It includes exponential and logarithmic functions, polynomial functions of higher degree, rational and radical relationships, mathematical modeling, and normal distributions.

Accelerated. Pre-calculus - Prerequisite - Accelerated Geometry or Algebra II. This is the third in a sequence designed to prepare students to take AP Calculus AB or BC. It includes circular trigonometric and inverse trigonometric functions; basic trigonometric identities and the laws of sines and cosines; sequences and series; polar and parametric equations; vectors; conics; matrices; the central limit theorem; and confidence intervals.

Advanced Mathematical Decision Making - Algebra II. This course will give students further experiences with statistical information and summaries, methods of designing and conducting statistical studies, an opportunity to analyze various voting processes, modeling of data, basic financial decisions, and use of network models for making informed decisions.

Calculus - Prerequisite - Precalculus. Topics include functions, limits and continuity, derivatives, applications of derivatives, integrals, and applications of the integral. Additional process skills include problem-solving, estimating, analyzing, and reasoning.

AP Calculus AB - Prerequisite - Accelerated Pre-calculus. Topics include limits, derivatives and integrals of algebraic and transcendental functions, continuity, applications of derivatives to related rates, maxima and minima, curve sketching, integration formulas, applications of the definite integral, and methods of integration. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

AP Calculus BC - Prerequisite - Accelerated Pre-calculus. Topics include limits, derivatives and integrals of algebraic and transcendental functions, continuity, applications of derivatives to related rates, maxima and minima, curve sketching, integration formulas, applications of the definite integral, methods of integration, graphing, and integrating in polar coordinates, infinite sequences and series, power series, vectors, and differential equations. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

AP Statistics - Prerequisite - Pre-calculus. This course includes in-depth experience in statistical concepts and methods, including data collection and exploration, experimental and theoretical probability, probability distributions, and descriptive and inferential statistics. Projects involve planning a study, anticipating patterns, producing models, and confirming models. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

Advanced Calculus II - Prerequisite - AP Calculus AB. Topics include integral evaluation, limits of sequences, application of function concepts, application of polar coordinates, L'Hospital's Rule, Pappus's

Theorem on surface area, application of Taylor's Theorem, MacLaurin series, differentiation and integration of power series, three dimension coordinate geometry, vectors, and vector calculus.

Multivariable Calculus - AP Calculus BC. Topics include three-dimensional coordinate geometry; matrices and determinants; eigenvalues and eigenvectors of matrices; limits and continuity of functions with two independent variables; partial differentiation; multiple integration; the gradient; the divergence; the curl; Theorems of Green, Stokes, and Gauss; line integrals; integrals independent of path; and linear first-order differential equations.

SCIENCE COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

Before graduation, each student must have four full credits of science. Each student must successfully complete Biology, Chemistry and Physics. The fourth science has a tremendous amount of flexibility and any middle school credit for Physical Science will satisfy the fourth year Science requirement.

9th Grade Required Science - Biology

Biology - Required - 2 Semesters - Gr. 9 Requires state End of Course assessment. Concepts for this two-semester course include the interdependence of organisms; the relationship of matter, energy, and organization in living systems; the behavior of organisms; and biological evolution. Students will investigate biological concepts through experience in laboratories and field work using the processes of inquiry. (Honors Biology and Gifted Biology require an experimental science project.)

AP Biology - 2 Semesters - This is a college-level biology course. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam. Rising 9th graders can use this as the Biology requirement but must meet very specific academic requirements to be eligible to take as a 9th grader at Grayson High School (90 or higher on Physical Science EOC and in the course).

10th Grade Required Course - Chemistry

Chemistry - Required - 2 Semesters - Gr. 10 This two-semester course addresses the structure of atoms, the structure and properties of matter, and the conservation and interaction of energy and matter. Students will investigate chemistry concepts through experience in laboratories and field work using the processes of inquiry. (Honors Chemistry and Gifted Chemistry require an experimental science project.)

AP Chemistry - 2 Semesters - This is a college-level chemistry course. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam. ***Students are not able to take this course as an elective IF they used this course to satisfy their 10th grade Chemistry requirement.***

11th Grade Required Course - Physics

Physics - Required - 2 Semesters - Gr. 11 (AP Physics 1 and 2 also satisfy this requirement.) This course is a rigorous approach to an in-depth study of matter in motion. Emphasis is placed on mechanics, sound, light, electricity, magnetism, and modern physics. ***There is a substantial difference in difficulty between Honors and CP levels of Physics.***

AP Physics 1 - Elective - 2 Semesters - Gr. 11–12 (Will count for Physics Graduation Requirement.) AP Physics 1 is an algebra-based course equivalent to an introductory college course (1st semester). Students develop an understanding of the foundational physics principles. Through an inquiry-based approach, students develop content knowledge and critical-thinking skills, including kinematics, Newton's laws, simple harmonic motion, and circular motion. The objectives for this course follow the College Board Framework, preparing students for the optional Advanced Placement Physics 1 exam.

Science Electives offered at Grayson High School

All of the following courses will satisfy a student's 4th year requirement of Science AND is considered a science course by the NCAA and larger colleges & universities in the state.

Forensic Science - Elective - 2 Semesters - Gr. 11–12 Prerequisite – Biology and Chemistry. Forensic Science is the study of the application of science to the law. This integrated science course is designed to explore the scientific and technological aspects of criminal investigations. Topics will include the study of DNA, glass, blood, fingerprinting, chemical residues, and evidence collection as it relates to forensic issues. Applications to court cases, literature, psychology, and criminology also will be examined.

Astronomy - Elective - 2 Semesters - Gr. 10–12 This course is an in-depth study of astronomy. Topics studied include the history of astronomy; the relationship between the Earth, moon, and sun; and the study of the solar system, stars, galaxies, and the universe.

Oceanography - Elective - 2 Semesters - Gr. 10–12 Prerequisite – Biology. This course is an in-depth study of oceanography. Topics studied include historical oceanography; plate tectonics; properties of water; ocean circulation; marine sediments; interactions between air, land, and sea; and marine environments, resources and pollution.

Anatomy and Physiology (we offer Gifted and CP) – Elective – 2 Semesters – Gr. 10 – 12. Prerequisite – Biology. Anatomy is an in-depth study of the structure and function of the human body. This course is based on a systems approach with an emphasis on tissues, metabolic processes, homeostasis, and clinical applications. ***This is the most challenging non-AP Science elective Grayson High School offers.***

AP Environmental Science - Elective - 2 Semesters - This is a college-level environmental science course. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam. ***Rising 9th grade students are eligible to take this course as well.***

AP Chemistry - 2 Semesters - This is a college-level chemistry course. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam. ***Students are not able to take this course as an elective IF they used this course to satisfy their 10th grade Chemistry requirement.***

Science Electives offered through Gwinnett Online Campus and / or GA Virtual School

Students are able to take them during the day in a computer lab. These will count in a student's HOPE GPA and as an academic elective that will fulfill their 4th year science requirement.

AP Physics C - Elective - 2 Semesters - Gr. 11–12 Prerequisite - Physics or higher-level course and successful completion or concurrent enrollment in AP Calculus. This is a college-level physics course and is calculus based. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

AP Physics 2 - Elective - 2 Semesters - Gr. 11–12 (Will count for Physics Graduation Requirement.) AP Physics 2 is an algebra-based course equivalent to an introductory college course (2nd semester). Students develop an understanding of the foundational physics principles. Through an inquiry-based approach, students develop content knowledge and critical-thinking skills, including thermodynamics, electrostatics, DC and RC circuits, and magnetism. The objectives for this course follow the College Board Framework, preparing students for the optional Advanced Placement Physics 2 exam.

Earth Systems - Elective - 2 Semesters - Gr. 9–12 This course is an in-depth study of geology. Topics studied include Earth's place in the universe, forces affecting land form structures, geologic time table, biochemical cycles, changes in Earth's crust, and Georgia's geologic resources.

Environmental Science - Elective - 2 Semesters - Gr. 11–12 Prerequisite – Biology. This course is an in-depth study of environmental science. Topics studied include ecology; effects of natural and human activity on land, water, and air; energy resources and conservation; food production, preservation, and storage; waste management; pollution and human health; and biotechnology.

SOCIAL STUDIES COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

Before a student can graduate, they must successfully complete a year of World History, a year of US History, 1 semester of American Government / Political Systems and 1 semester of Economics.

9th Grade Social Studies Offerings – NO Social Studies is required as a 9th grader – counts as an academic elective and is included in HOPE

World Geography - Elective - 2 Semesters - Gr. 9 (AP Human Geography also is an option.) This course provides the content knowledge and skills necessary to understand the roles, responsibilities, and relationships of people and places throughout the world, both past and present. The course will prepare students for the three-year required Social Studies sequence. Topics will include the themes of historical, political, and economic geography. Students are instructed on efficient and effective methods and strategies to read, write, think, organize, take notes, and demonstrate what they have learned throughout the course.

AP Human Geography - Elective - 2 Semesters - Gr. 9 The Advanced Placement program in Human Geography is a college-level course designed to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to interpret human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam to earn college credit.

10th Grade Social Studies – World History is the required course

World History - Required - 2 Semesters - Gr. 10 (AP World History also satisfies this requirement.) This course provides a comprehensive, chronological survey of the significant conditions, challenges and accomplishments that have influenced the progress of humankind. Beginning with prehistory, students examine topics associated with the growth of early civilization, classical contributions of Greece and Rome, regional civilizations, and the rise of medieval Europe. Other topics of study include emergence of the modern world, age of revolution, growth of industry and nationalism, world wars in the 20th century, and development of the contemporary world.

AP World History - 2 Semesters - Gr. 10 (Will count for the World History Graduation Requirement.) Focusing primarily on the past thousand years of the global experience, this course builds on an understanding of cultural, institutional, and technological foundations that, along with geography, set the human stage prior to the year 1000. Specific time periods form the organizing principle for dealing with change and continuity from that point to the present. Historical themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

11th Grade Social Studies – US History is the required Course

U.S. History - Required - 2 Semesters - Gr. 11 (AP U.S. History also satisfies this requirement.) Requires state End of Course assessment. This course provides a comprehensive, chronological survey of the history of the United States. Students examine topics beginning with the period of exploration and colonization, and then continue through independence and revolution, constitutional debate between the Federalist and Republicans, Jeffersonian and Jacksonian democracy, sectionalism and civil war, reconstruction and industrialization, immigration and urbanization, imperialism and the progressive era, World War I and the Great Depression, World War II, and the Cold War. The course concludes with a study of the emergence of modern America.

AP U.S. History - 2 Semesters - Gr. 11 - Requires state End of Course assessment. (Will count for the U.S. History Graduation Requirement.) The Advanced Placement program in U.S. History provides students with factual knowledge and analytical skills in the interpretation of the history of the United States from the 1600s through the 1990s. Political, economic, and social issues are stressed through the following topics: The Colonial Period; the American Revolution; the Jacksonian Period; Civil War and Reconstruction; Populism and Progressivism, the New Deal; and International Affairs and Domestic Changes in the Post-1945 Period. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

Senior Level Social Studies – 1 Semester of Political Systems and 1 semester of Economics

Political Systems - Required - 1 Semester - Gr. 12 (AP American Government also satisfies this requirement.) Political Systems is a required course designed to provide students with a fundamental understanding of their rights and responsibilities as citizens by examining the American political structure and process. Topics of study include the origin and growth of representative democracy, the development of the U.S. Constitution founded on the concept of federalism, landmark legal decisions and their impact on constitutional government, the adaptive nature of the political process as influenced by political parties, social studies special-interest groups and media coverage, as well as a comparison of our political system with other forms of government throughout the world.

AP American Government - 1 Semester - Gr. 12 (Will count for Political Systems Graduation Requirement.) The purpose of this Advanced Placement program is to provide an overview of government, politics, and political behavior at the local, state, and national levels. Topics include an examination of the structure, functions, and inter-relationships of various levels of government; political socialization; elections and the party system; and the role of the individual in American government. Students will be exposed to specific information about government and how government affects their daily lives. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

Economics - Required - 1 Semester - Gr. 12 (AP Macroeconomics or AP Microeconomics also satisfy this requirement.) Requires state End of Course assessment. Economics offers students the opportunity to study the issues of scarcity and choices related to the use of limited resources. Students learn how to apply the tools of economic analysis to personal, community, national, and international issues. Economic preparedness enables students to make choices relying on past historical and geographical knowledge to actively and successfully engage in our complex society.

AP Macroeconomics - 1 Semester - Gr. 12 - Requires state End of Course assessment. (Will count for Economics Graduation Requirement.) Advanced Placement Macroeconomics gives students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price determination, and also develops students' familiarity with economic performance measures, economic growth, and international economics. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam. **AP Microeconomics** - 1 Semester - Gr. 12 – Requires state End of Course assessment. (Will count for Economics Graduation Requirement.)

Social Studies Electives offered at Grayson High School – These will count in a student's HOPE GPA and as an academic elective.

AP European History - Elective - 2 Semesters - Gr. 11–12 Prerequisite – World History. The goals of the Advanced Placement program in European History are to develop an understanding of some of the principal themes in modern European history and an ability to analyze historical evidence. Students are expected to demonstrate knowledge of a basic chronology of major events and trends from the Renaissance to the present. Students also should have some familiarity with those aspects of the late medieval period. The major themes to be covered are political and diplomatic history, intellectual and cultural history, and social and economic history. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

AP Psychology - Elective - 2 Semesters - Gr. 11–12 Advanced Placement Psychology provides students with the opportunity to examine the scientific nature of psychology and to determine the relevance of the behavioral sciences in our lives today. Students will examine the issues leading to the development of psychology as a science as well as the issue currently being addressed in the field of human behavior. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

Peer Leadership - Elective - 2 Semesters - Gr. 11–12 Prerequisite - Recommendation of Counselor. This class provides students a framework for understanding the problem-solving process, taking opportunities to participate in meaningful activities that affect our society in positive ways (civic participation), using conflict resolution skills, learning effective communication skills, adhering to ethical codes of practice, and exercising tolerance and advocacy of others' rights. This is an academic elective. We offer two types of this course; one with Mrs. Denise Hawkins through the counseling office and one through Mrs. Shih and Ms. Root focused on student leadership.

Social Studies Electives offered through Gwinnett Online Campus and / or GA Virtual School – students are able to take them during the day in a computer lab. These will count in a student's HOPE GPA and as an academic elective.

Advanced Placement Microeconomics gives students a thorough understanding of the principles of economics that apply to functions of individual decision-makers, both consumers and producers, within the larger economic system. The course places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the US economy. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

AP Comparative Government - Elective - 1 Semester - Gr. 12 This Advanced Placement program provides an introduction to the study of various forms of government which existed in the 20th century. The course emphasizes the philosophical basis, as well as the political, social, and economic realities of capitalism, communism, socialism, and fascism. The slowly changing structures of these ideologies also will be examined. The objectives for this course follow the College Board syllabus, preparing students for the optional Advanced Placement exam.

Contemporary Issues - Elective - 1 Semester - Gr. 11–12 This course provides students with opportunities to identify and evaluate political, social, and economic issues on a local, state, national, and international level. The central emphasis is on contemporary issues and problems and their effects on the student as a constructive citizen in an interdependent world. A variety of current news media will be used for instructional purposes.

Controversial Issues- Elective - 1 Semester - Gr. 11–12 This class is designed for mature, upper-level students who are able to confront controversial issues in an analytical manner. The readings and subject matter are at a high level and will challenge students to use a studious approach to investigate views on issues that are controversial in nature. No particular viewpoint or agenda is taught. Rather, the student has the opportunity to develop and employ critical-thinking skills when considering his or her personal evaluation of current events and issues of social relevance.

Law - Elective - 1 Semester - Gr. 11–12 This course develops an understanding of the basic components of the legal and criminal justice system in the United States. Students are offered an overview of civil and criminal law in this country as well as an examination of various legal institutions and processes, for example, the police, the courts, rehabilitation systems, etc.

Philosophy - Elective - 1 Semester - Gr. 11–12 This course is designed to guide students to form a basic framework for the study of philosophical thought. Material covered will include basic beliefs of selected ancient and medieval philosophers; aspects of Eastern philosophy originating in China, India, and the Middle East; historical developments that resulted in a distinct Western school of philosophy; specialized approaches common to the study of modern philosophy; and how the Enlightenment Age tradition of reason has given way to a postmodern Age of Reason.

Psychology - Elective - 1 Semester - Gr. 10–12 This class introduces students to basic psychological concepts and principles as well as the rules, laws, and theories of psychology. Topics of study include: determiners of personality (heredity and environment), theories of the development of intelligence, and testing characteristics of basic needs. A study of self-concept (theories of development) also is included. With this knowledge of themselves and others, students should be able to make informed decisions which are affected by changing environments and situations.

Sociology - Elective - 1 Semester - Gr. 10–12 This course helps students understand and appreciate people as independent agents in cooperative activities with others. Topics to be covered are the organized way people fulfill basic needs (institutions); the setting of social rules and their enforcement (social control); and the possessions people have, the way they think, and their actions as members of society (culture). Students will use the social scientific method as a mode of research.

TECHNICAL EDUCATION COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

Before a student can graduate, they must successfully complete three full Carnegie Credits from the Technical Education, Foreign Language, OR Fine Arts courses. Grayson High School offers an extensive list of available courses when you include Grayson Technical School and the variety of courses offered through Gwinnett Online Campus as well. All of the following courses are electives. Student do NOT NEED to take any of the following courses for graduation, but must have three full Carnegie credits from Fine Arts, Technical Education OR Foreign Language or any combination of those three categories.

The Georgia Department of Education has developed Career Pathways that will allow students to concentrate their studies in an area of Technical Education to prepare for a seamless transition from high school to postsecondary training in college or technical school. Some Pathways may lead to industry certification.

At Grayson High School, we offer College and Career Pathways in the following fields: ***Education, Foods, Engineering, Business, Computer Science and Marketing.***

EARLY CHILDHOOD EDUCATION - The Education and Training Career Cluster includes careers in planning, managing, and providing education and training services as well as related learning support services. This pathway begins with Early Childhood Education 1 and can lead to students completing internships at local Elementary Schools by their Junior and / or Senior Year.

COMPUTER SCIENCE & INFORMATION TECHNOLOGY - The Information Technology Career Cluster engages students in applied learning to prepare for careers related to the broad field of technology. Graphics, multimedia animation, web design, game and application development, networking, and computer repair are all possible careers. At Grayson High School, this pathway begins with Intro to Digital Technology, AP Computer Science Principles and then AP Computer Science A. Completion of AP Computer Science Principles or AP Computer Science A will satisfy a 4th year science requirement as well.

BUSINESS & FINANCE: The Business Management and Administration Career Cluster prepares students with computer skills for future college and career plans. Cluster skills include planning, organizing, directing, and evaluating, as well as owning and operating, a successful business. This pathway begins with Intro to Business Technology. The next courses would include Financial Literacy followed by a course on Investing and Insurance.

FOOD & CULINARY ARTS: The Agriculture, Food, and Natural Resources Career Cluster includes careers in production, processing, marketing, financing, distribution, and development of agricultural commodities and resources. These commodities include food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources. At Grayson HS, we offer a pathway in Culinary Arts that begins with Food, Nutrition and Wellness. Students would then complete Food through the Lifespan and Food Science. Successful completion of either Food through the Lifespan OR Food Science will satisfy the student's 4th year Science requirement for graduation.

AGRICULTURE SCIENCE (HORTICULTURE): We also offer a Horticulture and Agriculture Science course at Grayson High School. This course will satisfy a 4th year Science course or a Technical Education Elective credit. We do not currently have a complete three course pathway, but interested students are able to complete work based learning with this program.

ENGINEERING: Grayson High School offers a complete three course pathway designed for students interested in Engineering. The first course is Engineering Concepts and is followed by Engineering Concepts and Engineering Applications.

MARKETING: The Marketing pathway is focused on teaching students how the retail industry works from all perspectives. The pathway is aimed for 9th graders that are interested in eventually working at our school store or work-based learning as an 11th or 12th grade student. The first course in the pathway is Marketing Principles and then progresses to Marketing & Entrepreneurship.

WORK-BASED LEARNING PROGRAM- Students that have taken at least one Technical Education course are eligible to continue their learning through our Work-Based Learning program. Students can take up to three credits through this program depending on the number of hours they are working. Each credit or course period would equate to 5 hours of work at the place of business. Interested students would need to see Ms. Joanna Root and complete the extensive paperwork.

ARMY JUNIOR ROTC - Junior Reserve Officer Training Corps (JROTC) is a four-year progressive program which is open to all students in grades beginning in either 9th or 10th grade. ***Students who complete three years of JROTC fulfill the Health and Physical Education requirement for graduation.*** This course has strict physical and behavior guidelines that students must follow to retain their placement in the program.

Grayson Technical School Information

GRAYSON TECHNICAL SCHOOL – This unique opportunity is offered to rising 11th and 12th grade students interested in very select fields. Interested students would need to meet with their counselors and determine if their schedule has the flexibility to make Grayson Technical School fit with their graduation plan. The Grayson High School Technical Education Program provides career and technical education and training for GCPS students who are interested in a range of specialized programs in technical sciences, technology, the arts, and other career-based instruction. Students have the opportunity to earn credits toward graduation in 11 cutting-edge programs not offered at their regular high school. These technical programs are taught as one- or two-year courses, providing students with the knowledge and skills needed to enter the workforce, begin apprenticeship training, enter a postsecondary technical school, or continue toward a college degree. The courses listed below are offered at Grayson Technical School. Each of the courses has an embedded core class that gives students an extra credit in a respective field.

FOREIGN LANGUAGE COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

Before a student can graduate, they must successfully complete three full Carnegie Credits from the Technical Education, Foreign Language, OR Fine Arts courses (or any combination of the three categories).

French - Students study the French language and culture from the novice level in French I through the intermediate levels, culminating in French V, AP French, or IB French. At this time, Grayson High School only offers three levels of French.

German - Students study the German language and culture from the novice level in German I through the intermediate levels, culminating in German IV or AP German. At this time, Grayson High School only offers two levels of German.

Spanish - Students study the Spanish language and culture from the novice level in Spanish I through the intermediate levels, culminating in Spanish IV or AP Spanish Language and Culture.

Spanish for Native Speakers This course provides native speakers of Spanish with the opportunity to maintain oral competency in the Spanish language and to acquire a more sophisticated level of competency in Spanish reading and writing. Students refine their writing proficiency, engage with authentic texts, and gain a deeper understanding of both their native culture and the cultures of other Spanish-speaking countries. This course may culminate in Spanish for Native Speakers II, Spanish IV or AP Spanish Language and Culture.

Latin - Students will develop cultural and linguistic proficiency in Latin language and classical Roman culture. Students study Latin through a focus on language, grammar, vocabulary, and literature from the novice level in Latin I through the intermediate levels, culminating in Latin IV or AP Latin (only offered online). They will refine their communicative and cultural abilities, engage with authentic and enduring texts, develop critical-thinking skills, and study the influence of Latin upon English.

FINE ARTS COURSE OFFERINGS AT GRAYSON HIGH SCHOOL

Before a student can graduate, they must successfully complete three full Carnegie Credits from the Technical Education, Foreign Language, OR Fine Arts courses (or any combination of the three categories).

FINE ARTS Students may pursue a Fine Arts Pathway in any one of five areas: Dance, Theatre Arts, Music, and Visual Arts. A Fine Arts Pathway includes three or more full credits in one of the designated areas— either general within the area or with a specialized focus— and shows a progression and growth of knowledge and skills in the area. Students can earn a Georgia Department of Education-issued Fine Arts Diploma Seal by completing three courses within one of the pathway areas of the Fine Arts as well as a Creative Industry course through the Career and Technical Education department. Students with four years in the same pathway can exempt the Creative Industry Course.

Dance- Students acquire dance knowledge and skills, study the role of dance in various cultures, and observe and critique dance performances, using specified criteria and appropriate dance terminology. Students develop coordination, flexibility, strength, and technical skills. They can extend their knowledge and skill in various dance forms, public performance techniques, and choreographic concepts. Students study prominent historical figures in dance and classical dance works. They practice dance analysis and movement sciences as related to injury prevention and technical training.

Theatre Arts - Students study theatre history, acting, and the technical skills involved in production, and learn to analyze and evaluate live theatre and explore the relationship between theatre and other art forms. Workshop courses give students an opportunity to research aspects of technical theatre, such as set design, costumes, and stage management. Students work collaboratively on the technical capacity of a theatrical production. Musical theatre workshop students perform a monologue, rehearse songs, learn basic stage movements, and practice dance techniques. Students perform sections from musicals.

AP Music Theory (online only) - course offered by Gwinnett Online Campus and / or GA Virtual School. Music Technology Students learn computer basics and MIDI sequencing applications. Students explore MIDI sequencing software and notation software. Students create original multitrack sequences, original musical compositions, and background music for a specific setting, such as movies, television, or computer games. Sound recording and manipulation are other key components of the course.

Choral - Music Choral music courses emphasize the development of vocal techniques and performance skills using a variety of choral literature. Students develop music-reading skills. Courses further develop students' skills in vocal performance. Additional vocal technique development is emphasized, including breath control, diction, and vocal production. Courses offered begin with Beginning and progressing to Advanced with separate courses offered for men's and women's chorus.

Orchestra - Instrumental Music – Orchestra Students develop skills in fundamental strings instrument techniques. Music theory skills include notation of pitch and rhythm, scales, and intervals. A variety of literature for the string ensemble is studied and performed. Students refine music-reading skills as well as performance skills, including more advanced bow techniques. Students acquire knowledge in music theory and history as they relate to orchestral literature.

Band Instrumental Music – Band Students acquire performance and music reading skills. As courses progress, students continue to develop appropriate tone quality, intonation, balance, precision, phrasing, and technique. Students are expected to consistently demonstrate sight-reading skills and respond appropriately to expression markings in the musical score. Instrumental Music – Ensembles These courses offer smaller ensemble experience for instrumentalists. Emphasis is placed on the performance style and literature of the instrumental chamber group medium. Ensembles may include jazz, brass, woodwind, percussion, and strings. Performance and production, analysis and theoretical studies, creative aspects of music, historical and cultural influences, and music appreciation are covered in ensemble courses.

Visual Arts - The Visual Arts Comp I/Two-Dimensional art course explores concepts of image and makes use of techniques in drawing, printmaking, lettering, painting, and collage. The Visual Arts Comp II/Three-Dimensional course explores concepts and techniques of construction, assemblage, and media manipulations. Historical and contemporary developments in art are explored. The Visual Arts Comp I and II courses are prerequisites to all other Visual Arts courses. After completing Visual Arts Comp I and II, students can concentrate in or explore the different Visual Arts disciplines, including Graphic Design, Sculpture, Photography, Pottery/Ceramics, Drawing and Painting, and Advanced Placement opportunities.

HEALTH & PHYSICAL EDUCATION COURSE OFFERINGS AT GRAYSON HS

All high school students must complete one semester of Health and one semester of Physical Education prior to graduation.

Health - Required - 1 Semester - This course is a graduation requirement designed to offer a practical approach to health topics that concern adolescents. The course covers knowledge and skills necessary for personal health and well-being and the prevention and treatment of injury. Additional information covered includes disease prevention, relationships, consumer health, the life cycle, CPR/AED instruction, and preventing the abuse of tobacco, alcohol, and drugs. This course includes the Alcohol and Drug Awareness Program (ADAP). Students will receive a certificate of completion that will be required to apply for a Georgia Class D driver's license. The ADAP certificate is not required when you apply for a learner's permit. See page 3 to learn more.

Personal Fitness - Required - 1 Semester - Gr. 9–12 This course is a graduation requirement and a prerequisite to all elective physical education courses. The course provides students with the basic knowledge and understanding that physical fitness, exercise, and diet are essential in developing and maintaining a healthy lifestyle. There is no waiver for this course as a graduation requirement for a Regular Education Diploma.

Junior ROTC (JROTC) - By completing three units of JROTC, a student may receive credit for the unit of required Health/PE. For more information, please find the Technical Education information in this catalog.

Physical Education Electives

Each course elective is a year-long course. Students must complete Health and Personal Fitness prior to taking PE electives.

Weight Training (Boys)- Elective - Gr. 9–12 Prerequisite - Personal Fitness This course provides students with an opportunity to experience beginning-level weight training and conditioning principles. This program is designed to teach students the academic knowledge and skills needed to improve muscular strength and endurance. This course has multiple other courses beyond Weight Training including Advanced Weight Training, Physical Conditioning and Advanced Physical Conditioning.

Body Sculpting (Female Weight Training) Strength-Based Courses - This series of courses is designed for females who want to increase their muscle mass and improve their speed, strength, and agility. Each course is structured to challenge students to build muscle mass and improve their strength while working at high levels of conditioning. Students will learn specific lifting and spotting techniques with free weights. Other areas of focus include anatomy and physiology, basic biomechanics, safety protocols, goal-setting, and a range of conditioning techniques related to different sports and activities. In addition, students will also learn program development. This course has multiple other courses including Advanced Body Sculpting.

General PE: This elective PE course is designed for the Wrestling Program. The courses in this section will provide an overview of a variety of physical activities and skills in multiple areas.

Team Sports: The courses in this section will focus on team-related activities and skill building. Activities may include football, basketball, soccer, and volleyball.

Female Lifetime Sports: The courses in this section focus on lifetime activities that may be performed individually or with one or two other individuals.

Male Lifetime Sports: The courses in this section focus on specific team sports related to the basketball.

