

Fulton Academy of Virtual Excellence

2024-2025 School Year

High School Elective Course Descriptions

<u>Course Title</u>	<u>Course #</u>	<u>Credit</u>	<u>Grade(s)</u>	<u>Prerequisite(s)</u>	<u>Major Topics</u>
Career, Technical, & Agricultural Education (CTAE)					
Intro to Software Technology	11.3150001 (S1)	0.5	9-12	None (first in pathway)	Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical, and legal issues, and the impact of effective
	11.3150002 (S2)	0.5			

					<p>presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world. Introduction to Software Technology is a course that is appropriate for all high school students. The prerequisite for this course is advisor approval.</p>
Computer Science Principles	11.371000	1.0	10-12	Intro to Software Technology	<p>This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. Through both its content and pedagogy, this course aims to appeal to a broad audience. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.</p>
Web Development	11.425000	1.0	11-12	Computer Science Principles	<p>Various forms of technologies will be used to expose students to resources and application of computer science. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Web Development is the third course in the Web Development pathway. Students enrolled in this course should have successfully completed Introduction to Software Technology and Computer Science Principles. After mastery of the standards in this course, students should be prepared to earn an industry-recognized credential in this career area.</p>

Intro to Business & Tech	07.3413001 (S1) 07.3413002 (S2)	0.5 0.5	9-12	None (first in pathway)	<p>Introduction to Business & Technology is the foundational course for Business & Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above, and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the business world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. Introduction to Business & Technology is a course that is appropriate for all high school students. After mastery of the standards in this course, students should be</p>
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					prepared to earn an industry recognized credential: Microsoft Office Specialist for Word Core Certification.
Legal Environment of Business	06.4150000	1.0	10-12	Intro to Business & Tech	This course addresses statutes and regulations affecting businesses, families, and individuals. All students will benefit from a knowledge of business law as they will eventually assume roles as citizens, workers, and consumers in their communities and in society at large. Students will get an overview of business law while concentrating on the legal aspects of business ownership and management. Legal issues addressed include court procedures, contracts, torts, consumer law, employment law, environmental law, international law, ethics, and the role of the government in business. Students will not only understand the concepts but will also apply their knowledge to situations and defend their actions, decisions, and choices.
Entrepreneurship	06.3161000	1.0	11-12	Legal Environment of Business	Covering the first semester, Entrepreneurship focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources will be a focus in the course. Engaging students in the creation and management of a business
Intro to Healthcare	25.3210001 (S1) 25.3210002 (S2)	0.5 0.5	9-12	None (first in pathway)	This course will enable students to receive initial exposure to many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members,

					health, wellness, and preventative care are evaluated, as is the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology and basic life support. First course in Sports Medicine and Surgical Technology Pathways. ** This class does not fill the Health course requirement for graduation**
Essentials of Healthcare	25.440000	1.0	10-12	Introduction to Healthcare	Students will move past learning how to write code and progress to designing a professional looking web site using graphical authoring tools that contains multimedia elements. Working individually and in teams, students will learn to work with web page layout and graphical elements to create a professional looking web site.
Applications of Public Health	25.452000	1.0	11-12	Essentials of Healthcare	The standards for the Public and Community Health pathway apply to occupations or functions involved primarily in environmental health, community health and health education, epidemiology, disaster management, and geriatrics. The standards specify the knowledge and skills needed by professionals pursuing careers in this pathway. Sample occupations associated with this pathway are Community Health Worker, Community Health Worker, Epidemiologist, Health Educator, Advocate, and Environmentalist. The prerequisites for this course are Introduction to Healthcare Science Technology and Essentials of Healthcare.
English Language Arts					
Dramatic Writing	52.0920001 (S1) 52.0920002 (S2)	1.0	10-12	None	Year-long on-level 12 th grade core English course where students will learn how to write for theatre, film, and television. Students will make skillful use of narrative storytelling techniques through the writing of plays, television scripts, and film screenplays. It is appropriate for students who have completed 11 th Lit (honors or on-level).
Non-Departmental Courses					

FAVE TV	740932223*U3+ 740932224*U4+	0.5 0.5	9-12	None	In FAVE tv students work in Canva to create our announcement images and then they record them in either flip or we-video. Each week students get to sign up for 2 segments and turn in their segments to Mrs. Lewis by Thursday so she can edit them together. The class watches the episode on Friday and gives feedback to one another. Check out our YouTube channel to watch an episode and see if you are interested in joining us next year! Reach out to Mrs. Lewis if you have any questions! (email: Lewisk11@fultonschools.org)
Physical Education					
General Health (suggested for 9 th graders, Required for Graduation)	17.0110001	0.5	9	None	Wellness concepts, human sexuality, State ADAP requirements, CPR training, first aid procedures, safety practices, and responsibility for health decisions.
Personal Fitness (Required for Graduation)	36.0510001	0.5	9-12	None	Personal fitness program, stress management, fitness games, nutrition, and weight training
First aid / Safety	17.3130001	0.5	912	None	Focuses on developing safety habits. Stresses prevention of accidents and injuries, basic lifesaving, and first aid techniques.
Body Sculpting / Advanced Body Sculpting	36.0560001	0.5	9-12	None	Provides methods to redefine body shape through specific exercises. Based on the <i>American College of Sports Medicine</i> guidelines for fitness and conditioning programs, this course covers weight training, conditional exercises, and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, and overall condition of the body and energy levels.
Social Studies					
Current Issues	45.0120001	0.5	9-12	None	Analyze & discuss Current Issues in the news through various class activities and projects. Main areas of study include but are not limited to International Affairs, Domestic Affairs, Technology, & the Environment. Students will also work to

					improve presentation skills in anticipation of future post-secondary opportunities.
Sociology	45.0310001	0.5	9-12	None	Subcultures; group behavior, social issues; environment and technology; homeless and unemployment; responsibility of dissent; drug abuse and American culture; social response to poverty; prejudice and discrimination; crime and deviance in American culture.
Psychology	45.0150001	0.5	9-12	None	This course is an introductory study in psychology, the scientific study of behavior and mental processes. It is a unique science that often necessitates the use of special measurements and research methods. The course has four sections: psychological foundations and research, biological foundations, change in behavior and cognition, and variability of behavior among individual and groups.
Talented and Gifted (TAG)					
Directed Studies	70.2320001 (S1) 70.2320002 (S2)	0.5 0.5	11-12	Must have completed application and secured approval from TAG department. Must be a TAG student.	Directed Studies may be taken in all academic areas. Student and teacher will write a curriculum contract that lists goals, objectives, and requirements for assessment for an in-depth study of the student's topic of interest.
Internship	70.2210001 (S1) 70.2210002 (S2)	0.5 0.5	11-12	Application / Approval from TAG department Both Tag and Non-Tag students who have grade of 90 and above	Students are matched with professionals in a student-selected field they are considered for a career. They can apply classroom learning in an active workplace while gaining experience and insight into the professional world. Students will leave the school for one class period a day. The Internship will be one of their regular elective courses during the semester.

				can also apply for the internship.	
World Language – Through Fulton Virtual (asynchronous courses)					
American Sign Language 1	64.3310001 (S1) 64.3310002 (S2)	0.5 0.5	9-12	None	ASL 1 Introduction to basic knowledge about sign communication and deafness. Emphasis is placed upon acquisition of comprehension and production skills, knowledge of the Deaf community, and the development of cultural awareness.
American Sign Language 2	64.3320001 (S1) 64.3320002 (S2)	0.5 0.5	9-12	American sign Language 1	Enhances Level 1 American Sign Language (ASL) skills and continues to develop receptive and expressive signing skills. Components include the study of communication, Deaf culture, connections with other disciplines, comparisons with the student's first language, and potential for involvement in the Def community.
Chinese 1	62.3110001 (S1) 62.3110002 (S2)	0.5 0.5	9-12	None	This course introduces the Chinese language; emphasize all skills: listening, speaking, reading, and writing in an integrated way, includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding on Chinese-speaking cultures.
Chinese 2	62.3120001 (S1) 62.3120002 (S2)	0.5 0.5	9-12	Chinese 1	This course enhances Level One skills in Chinese and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to increase understanding of Chinese-speaking cultures.
French 1	60.3110001 (S1) 60.3110002 (S2)	0.5 0.5	9-12	None	This course introduces the French language; emphasizes all skills: listening, speaking, reading, and writing in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of French-speaking cultures.

French 2	60.3120001 (S1) 60.3120002 (S2)	0.5 0.5	9-12	French 1	This course enhances Level One skills in French and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, and to speak and read within a range of carefully selected topics. Provides opportunities to increase understanding of French-speaking cultures.
German 1	61.3110001 (S1) 61.3110002 (S2)	0.5 0.5	9-12	None	This course introduces the German language; emphasizes all skills: listening, speaking, reading, and writing in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of German-speaking cultures.
German 2	61.3120001 (S1) 61.3120002 (S2)	0.5 0.5	9-12	German 1	This course enhances Level One skills in German and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practices in how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to increase understanding of German-speaking cultures.
Latin 1	61.3410001 (S1) 61.3410002 (S2)	0.5 0.5	9-12	None	Introduces students to the Latin language and ancient Roman civilization. Emphasizes the ability to write simple Latin phrases and to understand simple Latin passages presented orally and in writing.
Latin 2	61.3420001 (S1) 61.3420002 (S2)	0.5 0.5	9-12	Latin 1	Enhances Level One skills and provides opportunities to translate longer, more challenging passages. Emphasizes how ancient Roman language and civilization has influenced western language and civilization.
Spanish 1	60.3710001 (S1) 60.3710002 (S2)	0.5 0.5	9-12	None	Introduces the Spanish language; emphasizes all skills: listening, speaking, reading, and writing skills in an integrated way. Includes how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to develop an understanding of Spanish-speaking cultures.

Spanish 2	60.3720001 (S1) 60.3720002 (S2)	0.5 0.5	9-12	Spanish 1	Enhances Level One skills in Spanish and provides opportunities to develop listening, speaking, reading, and writing skills in an integrated way. Provides continued practice in how to greet and take leave of someone, to ask and respond to basic questions, to speak and read within a range of carefully selected topics and to increase understanding of Spanish-speaking cultures.
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AP Course Offerings

In addition to these popular AP courses, [Fulton Virtual](#) and [GAVS \(Georgia Virtual School\)](#) offer additional options your scholar may elect to take.

<u>Course Title</u>	<u>Course #</u>	<u>Credit</u>	<u>Grade(s)</u>	<u>Prerequisite(s)</u>	<u>Major Topics</u>
English					
AP Lang / American Lit	23.0430001 23.0430002	0.5 0.5	11	See FCS placement guidelines	A rigorous college-level study of authors' styles and rhetorical techniques, a survey of American literature emphasizing nonfiction texts. Focus on passage analysis, argument, and synthesis writing at an advanced level. Students can earn college credit. Appropriate for teacher-recommended students who earned at least a 90 in 10 th Honors Literature and Composition. Moving from on-level 10 th Lit to AP Lang is atypical and generally not encouraged.
AP Literature and Composition	23.0650001 23.0650002	0.5 0.5	12	See FCS placement guidelines	Advanced college level study of literature and critical approaches, review of writing skills, vocabulary, and preparation for AP exam.
Math					
AP Calculus AB	27.0720001 27.0720001	0.5 0.5	11-12	See FCS placement guidelines	Topics in AP Calculus AB include limits and their properties; derivatives and differentiation applications; anti-derivatives and indefinite integration; area and definite integrals; integration by substitution; the trapezoidal rule; logarithmic, exponential, and other transcendental functions; applications and methods of integration; miscellaneous topics in Calculus AB. This course is equivalent to a college-level Calculus I course.
AP Pre-Calculus		0.5 0.5	11-12	See FCS placement guidelines	The Enhanced Advanced Algebra and Precalculus: Concepts and Connections course is a thoughtful blend of the topics from Advanced Algebra: Concepts & Connections and Precalculus. This is a single credit course, intended to provide students the opportunity to develop a deeper understanding

				<p>of mathematical concepts that are critical to the study of advanced fourth mathematics course options, including Calculus. In Enhanced Advanced Algebra and Precalculus: Concepts and Connections, students will continue to enhance their understanding of data and statistical reasoning, functional and graphical reasoning, patterning and algebraic reasoning, and geometric and spatial reasoning. There should be an emphasis on notational fluency and the use of multiple representations as students engage with all topics. Some of those topics include, sequences and series with the incorporation of convergence and divergence; conic sections as implicitly defined curves; the six trigonometric functions and their inverses; applications of trigonometry such as modeling periodic phenomena, modeling with vectors and parametric equations, solving oblique triangles in contextual situations, graphing in the Polar Plane; solutions of trigonometric equations in a variety of contexts; and the manipulation and application of trigonometric identities. In previous courses, students studied how to use linear and quadratic functions to model real-life phenomena. In the Enhanced Advanced Algebra and Precalculus: Concepts and Connections course, students will further develop their algebraic, functional, and graphical reasoning as they explore and analyze structures and patterns for exponential, logarithmic, radical, polynomial, piecewise and rational expressions, equations, and functions to further understand the world around them. Topics should be analyzed in multiple ways, including verbal and written, numerical, algebraic, and graphical presentations. Instruction and assessment should include the appropriate use of technology. Concepts should be investigated and applied, where appropriate, within the context of realistic phenomena. The identified prerequisite for this course is Geometry: Concepts & Connections.</p>
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Science – Through FVS and GAVS (asynchronous courses)

AP Biology	26.014011 (S1) 26.014012 (S2)	0.5 0.5		See FCS placement guidelines	AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The AP Biology course is equivalent to a two-semester college introductory biology course for biology majors. This course requires that 25 percent of the instructional time will be spent on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply science practices. Students should have successfully completed high school courses in biology and chemistry before taking AP Biology.
AP Chemistry	40.0530001 40.0530002	0.5 0.5	11-12	See FCS placement guidelines	Atomic theory, structure of matter, bonding, gases, stoichiometry, liquids, solids, solutions, equilibrium, kinetics, thermodynamic, reaction types, nuclear, organic, and qualitative analysis.
AP Environmental	26.0620010	1.0	11-12	See FCS placement guidelines / completed Biology & Chemistry	The AP Environmental Science course is designed to be the equivalent of a one semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography
AP Physics 1	40.0831010	1.0	11-12	See FCS placement guidelines	Equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum), work energy and power, mechanical waves, sound, optics, electricity, magnetism, and electrical circuits.

Social Studies					
AP Human Geography	45.0770010	1.0	9	See FCS placement guidelines	This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications
AP US History	45.0820010	1.0	11	See FCS placement guidelines	In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures
AP World History	45.0811010	1.0	10	See FCS placement guidelines	The evolution of global processes and contacts in interaction with different types of human societies; the nature of changes in Marcos Internationals and their causes and consequences, as well as comparisons among the major societies.
AP Government / Politics US		0.5		See FCS placement guidelines	AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.

AP Macro-Economics	45.3620011	0.5		See FCS placement guidelines	AP Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also helps students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts and data to analyze, describe and explain economic concepts.
AP Micro-Economics	45.3630011	0.5		See FCS placement guidelines	AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts.