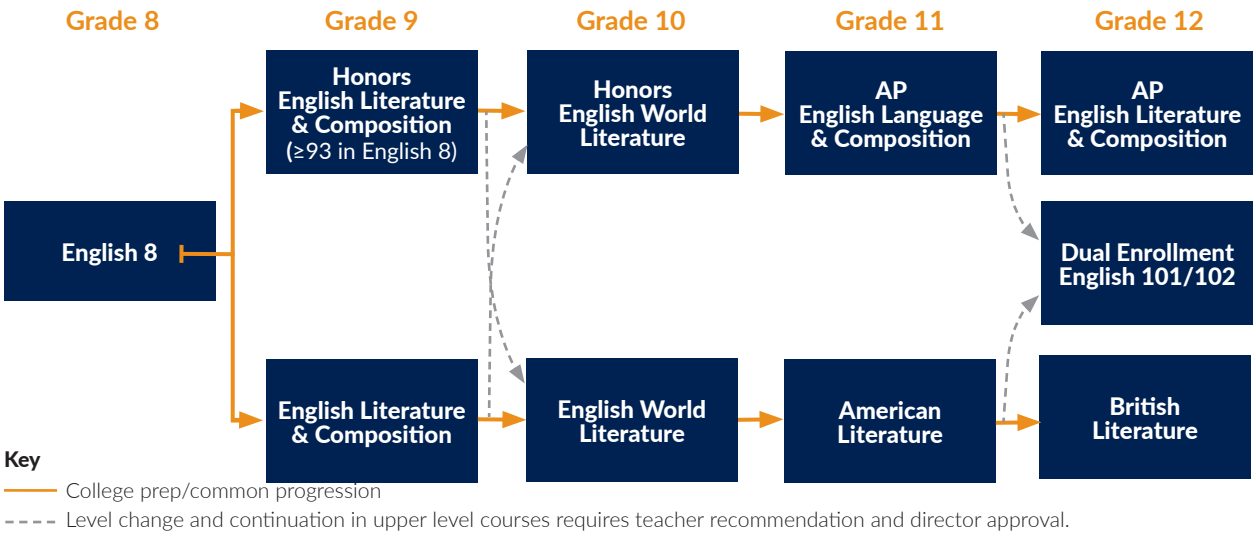
LAKEVIEW ACADEMY

Upper School Curriculum

English

This chart shows the course sequencing and progression of English in Upper School. Four credits required to graduate. Check course descriptions for all prerequisites.



English 9: Literature & Composition

In English 9, students will read various literary genres - novels, short stories, poetry, drama, mythology, nonfiction - as well as develop critical thinking and writing skills. They will work on a foundational level in all modes of discourse (i.e. narrative, description, analytical, persuasive, research-based) and continue the study of grammar in the context of writing workshops and targeted practice. They will learn how to incorporate relevant quotes, specific examples, and vivid details into their writing to support their assertions fully. The students will use MLA format and documentation consistently. Ongoing objectives include developing vocabulary from the context of the literature as well as recognizing literary devices authors use to convey meaning. Students will have the opportunity to polish their speaking skills through class discussions and presentations.

Prerequisite: None
Credit: 1 unit

English 9: Honors Literature & Composition

In Honors English 9, students explore various literary genres - novels, short stories, poetry, drama, mythology, and nonfiction – as well as develop critical thinking and writing skills. Ongoing objectives throughout the course include developing vocabulary, mastering grammar and writing style in the context of writing workshops and targeted practice, developing organized, insightful analytical essays, and speaking with ease in front of peers through class discussions and presentations. Students will not only analyze what an author says but how he conveys meaning (rhetorical devices, tone, diction). They will write in a variety of rhetorical modes: narrative, descriptive, analytical, comparison-contrast, persuasive, and research-based. The students will use MLA format and documentation consistently.

Prerequisite: A grade of 93 or above in 8th grade English or teacher recommendation
Out of Class Expectation: 2.5 hours/week
Credit: 1 unit

English 10: World Literature

English 10 is taught on both an honors and a college preparatory level; it is the study of world literature. Selections from each of the major literary genres are explored in depth, with a focus on texts as representative of their culture and the insight they reveal about the human condition. Students continue to practice the writing process with special emphasis given to literary analysis.

Prerequisite: None
Credit: 1 unit

English 10: Honors World Literature

Honors English 10 is designed to expose Lakeview students to the breadth of reading and writing which will prepare them for the demands of AP English and beyond. Honors students are expected to be independent in their learning, to have depth of understanding, and to apply their knowledge to difficult tasks with minimal teacher direction. This course is open to qualified sophomores wishing to pursue a planned program of Honors course work that culminates with Advanced Placement Literature and Composition IV in their Senior year.

Prerequisite: Honors 9 and teacher recommendation
Out of Class Expectation: 4 - 5 hours/week
Credit: 1 unit

English 11: American Literature

English 11 is a chronological survey of the literature of the United States from 1600 through the Modern Period. Throughout the year, students examine the breadth and depth of American literature, how it evolved, what makes it distinctly American, and how it fits into the scope of world literature. Special attention is given to world literary movements evidenced in American literature and the literature as a reflection of the American culture.

Prerequisite: None
Credit: 1 unit

AP English Language

Designed to fulfill the guidelines established by the College Board, AP Language and Composition is a college level course recommended for highly motivated students who have a strong background in literary analysis and writing. In the spring, the students will have an opportunity to take the AP exam and receive college credit based on their score. Accordingly, the rigors of the course require consistent effort, maturity, critical thinking, in-depth analysis, and insightful, well-developed writing. The students will get to know representative American writers and works within their historical and philosophical contexts. At the same time, they will analyze the language and rhetorical strategies writers use to convey meaning. The students will produce several types of essays, including narrative, descriptive, definition, comparison/contrast, literary analysis, persuasive, synthesis, and research-based. Grammar mastery and vocabulary development are ongoing objectives throughout the course.

Prerequisite: Honors English 10 and teacher recommendation
Out of Class Expectation: 2 - 3 hours/week
Credit: 1 unit

English 12: British Literature

English 12 provides an overview of British culture and its representative literary texts, including Shakespeare's seminal work Macbeth. Students will read authors and genres from the following epochs: the Old English Period, the Middle Ages, the Enlightenment, the Renaissance, the Victorian Era, and the 20th and 21st Centuries. The course aims to improve reading proficiency and expand vocabulary, to provide exposure to notable writers, to define and identify elements of poetry, prose, and drama, to recognize a character's motives, to identify images and symbols, to analyze themes and characters, and to polish correct grammar and writing skills.

Prerequisite: None
Credit: 1 unit

AP English Literature

This course incorporates critical reading over a wide range of topics, writing extensively for a variety of purposes, and preparation for the AP Literature and Composition Exam. Extensive and careful reading of poetry and fiction is essential for writing major papers and in-class compositions, which are mainly literary analysis. Students are required to read deeply and critically to discern multiple levels of meaning in a given literary work. Although works from around the world are included in the curriculum, the literature of Great Britain is the primary focus. Students taking this course should have a strong background in critical reading as well as sophisticated writing skills. According to The College Board, "AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their

understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works."

Prerequisite: Honors 9 and 10 with teacher recommendation and/or AP Lanuage
Out of Class Expectation: 5+ hours/week
Credit: 1 unit

Dual Enrollment - 101 Written Communication

As a part of Lakeview Academy's ongoing partnership with Brenau University, English 101 is taught by a Lakeview faculty member serving as an adjunct professor on Lakeview's campus and during our regular school day. Importantly, English 101 is only offered during Lakeview's fall semester. This course focuses on writing papers in response to readings in a variety of genres. Students develop, draft, revise, and edit original compositions.

Prerequisite: Eligibility for this course is determined by Brenau University and a student's SAT or ACT scores.
Credit: 0.5 unit

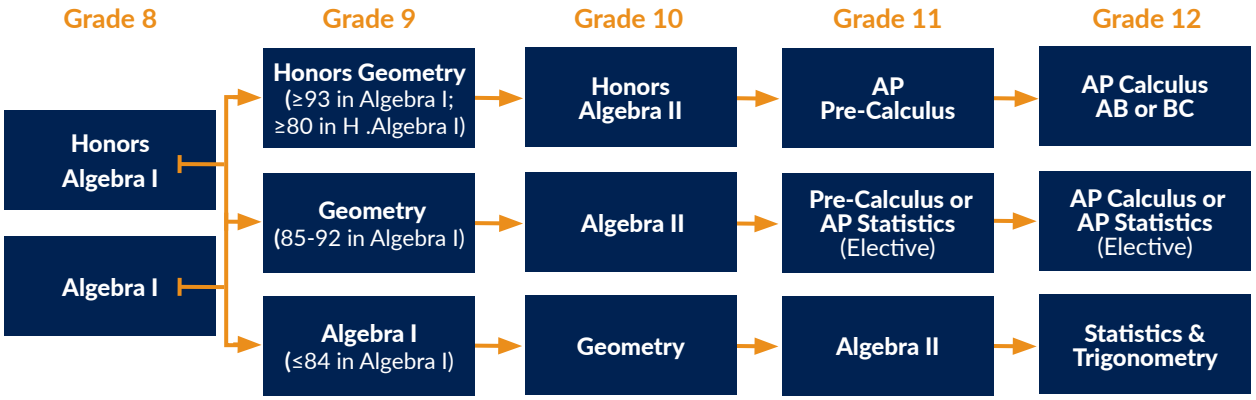
Dual Enrollment - 102 Reading and Research Writing

As a part of Lakeview Academy's ongoing partnership with Brenau University, English 102 is taught by a Lakeview faculty member serving as an adjunct professor on Lakeview's campus and during our regular school day. Importantly, English 102 is only offered during Lakeview's spring semester. This course focuses on reading texts and writing research papers. Students will prepare and develop critical analyses that integrate secondary materials.

Prerequisite: Eligibility for this course is determined by Brenau University and a student's SAT or ACT scores.
Credit: 0.5 unit

Mathematics

This chart shows the course sequencing and progression of Mathematics in Upper School. Four credits required to graduate. Check course descriptions for all prerequisites.



Algebra I

Students develop an algebraic fluency to solve equations and perform manipulations with numbers, variables, equations, and inequalities. Students learn to use number properties to simplify expressions or justify statements; describe sets with set notation and find the union and intersection of sets; simplify and evaluate expressions involving variables, fractions, exponents, and radicals; work with integers, rational numbers; and graph and solve equations, inequalities, and systems of equations. Students learn to determine whether a relation is a function and how to describe its domain and range; use factoring, formulas, and other techniques to solve quadratic and other polynomial equations; and translate word problems into mathematical equations and then use the equations to solve original problems.

Students who made an 84 or below in 8th grade math are required to take algebra I in 9th grade.

Prerequisite: none
Credit: 1.0 unit

Geometry

Students learn to recognize and work with geometric concepts in various contexts. Students learn to formulate and evaluate valid mathematical arguments using various types of reasoning. Students use visualizations, spatial reasoning and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three dimensional solids; geometric constructions; symmetry; and geometric transformations.

Prerequisite: Algebra I or a minimum grade of 85 in 8th grade Algebra I

Credit: 1.0 unit

Honors Geometry

Students learn to recognize and work with geometric concepts in various contexts. Students learn to formulate and evaluate valid mathematical arguments using various types of reasoning and build upon the ideas of inductive and deductive reasoning, logic, concepts, and techniques to develop an understanding of mathematical structure, method and application of Euclidean plane and solid geometry. Students use visualizations, spatial reasoning and geometric modeling to solve problems. Topics of study include points, lines, and angles; triangles; right triangles; quadrilaterals and other polygons; circles; coordinate geometry; three dimensional solids; geometric constructions; symmetry; and geometric transformations and transformations on the coordinate plane.

Compared to Geometry, this course has a more rigorous pace and more challenging assignments and assessments. Although topics of study are similar, Honors Geometry places more emphasis on reasoning

skills, justification of theorems and producing valid arguments to support work.

Prerequisite: Minimum grade of 80 in Honors Algebra I or a mimumum grade of 93 in 8th grade Algebra I and an 88 or higher on the math ERB sections.
Out of Class Expectation: 1.5 - 2 hours/week
Credit: 1.0 unit

Algebra II

Algebra II builds upon the algebraic concepts covered in Algebra. Students extend their knowledge and understanding of solving open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, inverse functions, polynomial functions and advanced polynomial functions, and conic sections. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; data analysis; and matrices.

Prerequisite: Algebra I and Geometry
Credit: 1.0 unit

Honors Algebra II

Honors Algebra II builds upon algebraic concepts covered in Algebra I and prepares students for advanced-level courses. Students extend their knowledge of open-ended problems and thinking critically. Topics include functions and their graphs, quadratic functions, inverse functions, polynomial functions and advanced polynomial functions, and conic sections. Students are introduced to rational, radical, exponential, and logarithmic functions; sequences and series; data analysis; and matrices.

Honors Algebra II includes all the topics of Algebra II but incorporates more challenging assignments and assessments including more applications of the skills to problem solving activities.

Prerequisite: Algebra I, Honors Geometry and teacher recommendation
Out of Class Expectation: 2.5 hours/week
Credit: 1.0 unit

Pre-Calc

Pre-Calculus combines the previous studies of algebra, geometry, and functions in a preparatory course for Calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in Calculus. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; conic sections; trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of sine and cosine; polar functions and notation; and parametric functions.

Prerequisite: Algebra I, Geometry, Algebra II
Credit: 1.0 unit

AP Pre-Calculus

Honors Pre-Calculus combines the previous studies of algebra, geometry, and functions in a preparatory course for Calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in Calculus. Topics include linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; conic sections; trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of sine and cosine; polar functions and notation; and parametric functions.

Honors Pre-Calculus is a course designed to prepare the exceptional mathematics student for AP and BC Calculus and a college major in a mathematics related field of study. Honors Pre-Calculus covers all the topics of Pre-Calculus, but the pace of study is faster and the rigor of assignments and assessments is more challenging.

Prerequisite: Honors Geometry, Honors Algebra II and teacher recommendation
Out of Class Expectation: 4 - 5 hours/week
Credit: 1.0 unit

AP Calculus AB

AP Calculus AB provides a detailed introduction to the mathematics of differential and integral calculus. It covers theory and mathematical applications of the limit, the derivative, and the integral (definite and indefinite). The course is equivalent to an introductory college level calculus course and follows the AP Calculus syllabus as described by the College Board. All students are required to take the A.P. Exam at the end of the second semester.
Prerequisite: AP Pre-Calc and teacher recommendation
Out of Class Expectation: 4 - 5 hours/week
Credit: 1.0 unit

AP Calculus BC

AP Calculus BC is a full-year, 90-minute class (two periods of the day) to develop a student's understanding of the concepts of calculus. Calculus BC includes all the topics of Calculus AB plus additional techniques and materials to round out

a year of college calculus. These additional topics include parametric, polar, and vector functions, and infinite sequences and series. All students are required to take the BC exam at the end of the second semester.

Prerequisite: AP Pre-Calc and teacher recommendation
Out of Class Expectation: 4 - 5 hours/week
Credit: 1.0 unit

Statistics & Trig

Trigonometry and statistics is a two semester course. Trigonometry is taught in the first semester and statistics in the second semester. Topics in trigonometry include: sequences and series, the Unit Circle, applications of the Unit Circle, graphing trigonometry functions, solving trigonometry equations, application of the double and half angle formulas. Finally, a unit in matrices and determinants are studied. The second semester topics in statistics is studied. Topics that are covered include: categorical and quantitative data, the Normal Distribution Curve, two variable data, collecting data and probability.

Prerequisite: Algebra II
Credit: 1.0 unit

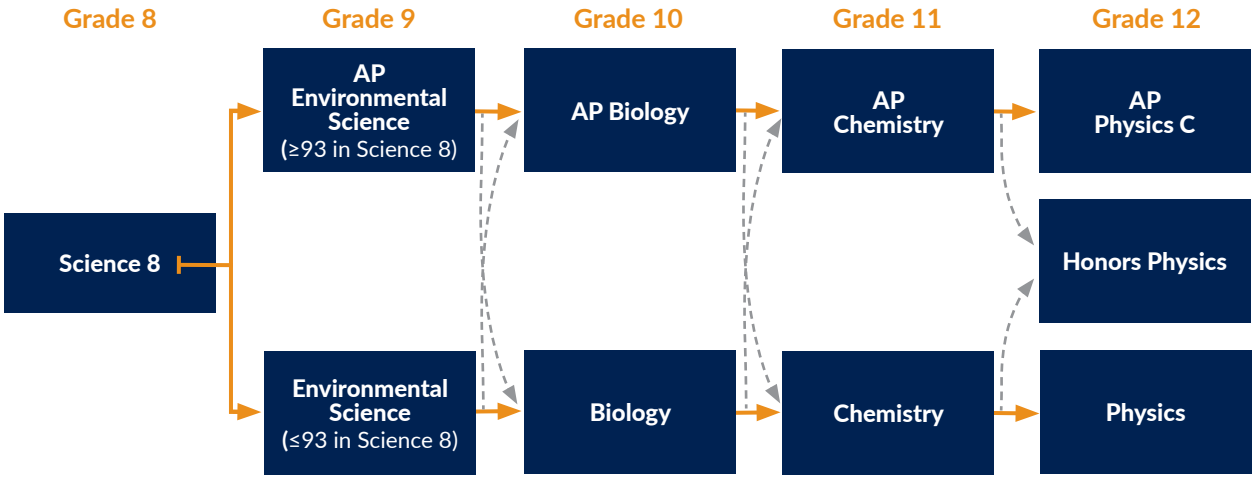
AP Statistics (Elective)

AP Statistics is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course curriculum is designed around four major topics: exploring data, planning a study, probability as it relates to distribution data, and inferential reasoning. The course follows the statistics AP syllabus as described by the College Board and all students are required to take the AP Statistics Exam at the end of the course.

Prerequisite: Honors Algebra II and teacher recommendation
Out of Class Expectation: 2.5 hours/week
Credit: 1.0 unit

Science

This chart shows the course sequencing and progression of Science in Upper School. Four credits required to graduate and must include Biology, Chemistry, and Physics. Check course descriptions for all prerequisites.



Key

College prep/common progression

Level change and continuation in upper level courses requires teacher recommendation and director approval.

Environmental Science

An elective, upper-level science course, Environmental Science integrates the study of the many components of Earth's environments (including the human impact on our planet). Students will investigate topics with a global framework and will be encouraged to evaluate environmental processes and impacts on the Earth as one interconnected system. The study of environmental science integrates biology, chemistry, physics, Mathematics, and technology while simultaneously encouraging critical thinking, analysis, and often ethics on the part of the student.

Prerequisite: none
Credit: 1.0 unit

AP Environmental Science

An elective, college-level course, AP Environmental Science will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science.

Prerequisite: a grade of 93 or higher in 8th grade science and teacher recommendation
Out of Class Expectation: 2.5 hours/week
Credit: 1.0 unit

Biology

A required sophomore level science course, the course is designed to prepare students for introductory college biology. Students will better understand the living world around them after taking the class and be able to apply their scientific knowledge when making choices in the future. Biology focuses on cells, genetics, evolution, plants and animals.

Prerequisite: none
Credit: 1.0 unit

AP Biology

A college level course that is significantly different than high school biology. This course covers two (2) semesters of college-level biology coursework. AP Bio students should be prepared to spend significant amounts of time outside of class reading their textbook and independently studying. Class time is reserved for lab activities, group discussions, modeling biological processes, current case studies, and assessments. AP Bio is a rigorous course that will expose students to college-level biological concepts; such as biochemistry, cellular biology, cellular metabolism, cell reproduction, heredity, gene expression and regulation, natural selection, and ecology. The course will prepare students for freshmen undergraduate college biology. Each student will take the AP exam in the spring.

Prerequisites: Biology and Chemistry are required and teacher recommendation
Out of Class Expectation: 3 - 4 hours/week
Credit: 1.0 unit

Chemistry

Chemistry focuses on the structure and behavior of atoms (elements), the composition and properties of compounds, the reactions between substances with their accompanying energy exchange, and the laws that unite these phenomena into a comprehensive system. Chemistry is not an isolated discipline, for it merges into physics and biology. Chemistry evolved from the medieval practice of alchemy. Its bases were laid by such men as Boyle, Lavoisier, Priestly, Berzelius, Avogadro, Dalton and Pasteur.

Prerequisite: Algebra II (can be taken concurrently)
Credit: 1.0 unit

AP Chemistry

A college level course which includes an in-depth analysis of the basic topics covered in introductory chemistry with advanced problem solving techniques in stoichiometry, kinetics, equilibrium, qualitative and quantitative analysis, acid/base and buffer chemistry, electro chemistry, thermodynamics, gas laws, nuclear chemistry, quantum mechanics, VSEPR theory, molecular orbital and bonding theories, and oxidation/reduction reactions. Advanced laboratory experiments are a required component of AP Chemistry. Each student will take the AP exam in the spring.

Prerequisite: AP Pre-Calc (can be taken concurrently) and teacher recommendation
Out of Class Expectation: 2.5 hours/week
Credit: 1.0 unit

Physics I

The physics curriculum includes more abstract concepts such as interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students investigate physics concepts through experience in laboratories and field work using the processes of inquiry. Students will learn about basic topics such as motion, forces, energy, momentum, circular motion, and universal gravitation. Students will be engaged in scientific inquiry, investigations, and labs so that they develop a conceptual understanding and basic scientific skills. The mathematics prerequisite skills are based on basic high school mathematics topics such as data analysis, measurement, scientific notation, ratio and proportion, and algebraic expressions.

Prerequisite: Algebra II
Credit: 1.0 unit

Honors Physics I

Physics seeks to describe and predict natural events by seeking the relationships between motion, force, energy, and time. Physics is at the root of all types of engineering -mechanical, electrical, nuclear, chemical engineering. This course will discuss the basics in fields of physics such as 1-D kinematics, 2-D kinematics, forces, dynamics, energy, electricity, waves, and sound. The number one priority is to learn how to think critically, in a scientific manner, about the physical environment. There will be many labs to explore the concepts of physics. The mathematics prerequisite skills are based on higher level high school mathematics topics such as data analysis, measurement, scientific notation, trigonometry, ratio and proportion, and algebraic expressions.

Prerequisite: AP Pre-Calc or Pre-Calc with grade above 93 and teacher recommendation
Credit: 1.0 unit

AP Physics C: Mechanics

This course provides advanced students with the second year of classical physics in preparation for the AP Physics C exam. Through the use of integral and differential calculus students develop a deeper understanding of fundamental concepts of the mechanics of physics. Topics studied include: kinematic equations, Newtons Laws of Motion, work and energy, linear momentum, rotation of objects around a fixed object and universal gravitation.

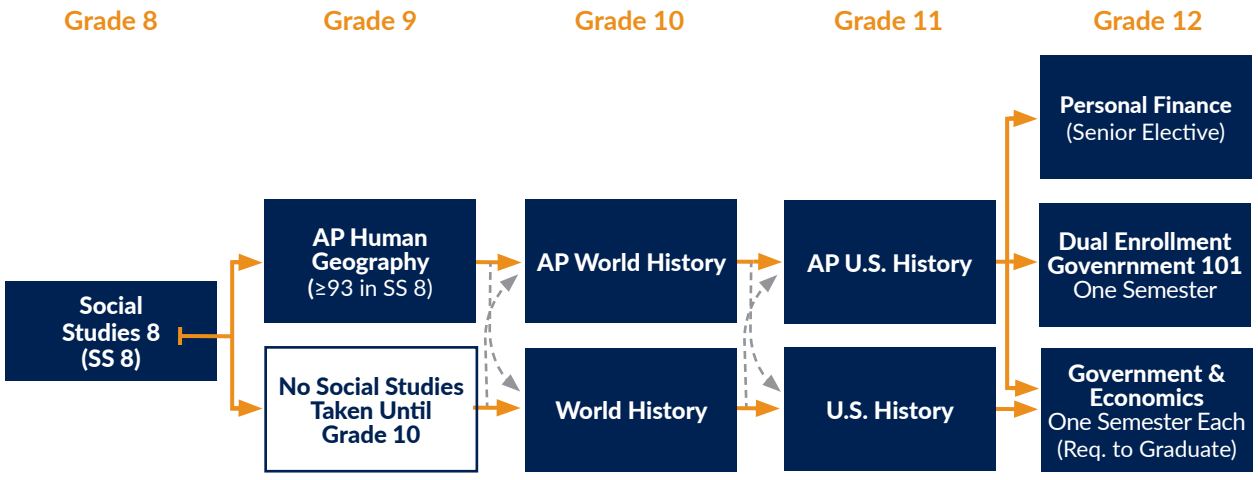
Students do not need to have completed calculus before taking the course. However, students must be taking Calculus AB/BC while taking AP Physics-Mechanics.

Students are required to take the AP exam in the spring.

Prerequisite: currently taking or have passed AP Calculus BC and teacher recommendation
Out of Class Expectation: 4 - 5 hours/week
Credit: 1.0 unit

Social Studies

This chart shows the course sequencing and progression of Social Studies in Upper School. Three credits required to graduate and must include include 1 credit in World History, 1 credit in U.S. History, 0.5 credit in Government, and 0.5 credit in Economics. Check course descriptions for all prerequisites.



AP Human Geography

A two semester introduction to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface . Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Prerequisite: a grade of 93 or higher in 8th grade social studies and teacher recommendation
Out of Class Expectation: 1.5 - 2 hours/week
Credit: 1.0 unit

World History

World History at Lakeview Academy helps students creates connections between different regions of the world using the themes of geography, religion, achievements, politics, economics, and social structure. This course emphasizes the development of reading, writing, analytical and research skills necessary for the purpose of developing the college bound student.

Prerequisite: none
Credit: 1.0 unit

AP World History: Modern

A two-semester global survey of world history from 1200 CE. to the present, focusing on themes of change and continuity, patterns of interaction, the effects of technology, economics, and demographics, social and gender structures, cultural, intellectual, and religious developments, and changing political identities. A significant emphasis will be placed on interpreting primary documents and critical writing skills in preparation for the AP World History Exam.

Prerequisite: Teacher recommendation
Out of Class Expectation: 1.5 - 2 hours/week
Credit: 1.0 unit

United States History

A two semester survey of U.S. history from the 15th into the 21st century that emphasizes the growth and development of the U.S. in relation to the world through a critical study of primary and secondary sources.

Prerequisite: none
Credit: 1.0 unit

AP United States History

A two semester survey of U.S. history from the 15th into the 21st century with an emphasis on identifying principal themes in U.S. history and changing patterns of interpreting U.S. history through reading, discussion, and writing based on critical analysis of primary and secondary sources to prepare for the AP U.S. History exam.

Prerequisite: Teacher recommendation
Out of Class Expectation: 1.5 - 2 hours/week
Credit: 1.0 unit

Economics

A one semester introduction to the basic concepts, institutions, and practices of the U.S. economic system, with an emphasis on developing the ideals and skills of financial responsibility as an individual and a citizen.

Prerequisite: None
Credit: 0.5 unit

Government

A one semester introduction to the principles, institutions, and practice of U.S. local, state, and national government with an emphasis on developing ideals and skills of civic responsibility.

Prerequisite: None
Credit: 0.5 unit

Dual Enrollment - 101 American Government

As a part of Lakeview Academy's ongoing partnership with Brenau University, American Government is taught by a Lakeview faculty member serving as an adjunct professor in the fall semester during Lakeview's regular school day. This course is an examination of the American system of government with emphasis on the growing importance of global affairs in American political life. Philosophical and historical perspectives are provided to show how institutions and processes have evolved to their present state. Comparative perspective is provided so that students may contrast the American system with other contemporary forms of government.

Prerequisite: Eligibility for this course is determined by Brenau University.
Credit: 0.5 unit

Personal Finance (Senior Elective)

This one semester social studies elective strives to enhance each student's understanding of personal finance decision making. This course equips students with essential financial literacy for life after high school. Students will explore budgeting, saving, investing, credit management, and understanding taxes while learning to make informed financial decisions, navigate loans, and plan for future goals like college or homeownership. The course also covers insurance basics and fraud prevention. Through text study. practical exercises, simulations, and real-world scenarios, students will build confidence in managing personal finances and achieving long-term financial well-being.

Prerequisite: None
Credit: 0.5 unit

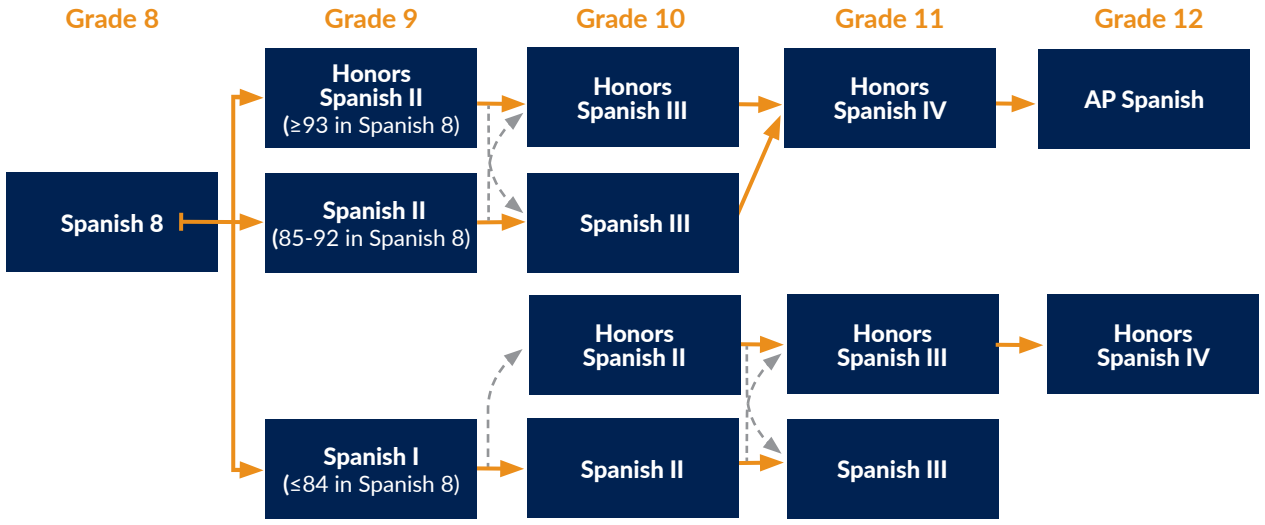
Personal Finance (Senior Elective)

Leadership Principles is a one-semester social studies elective with no prerequisite. The course is intended for seniors and is designed to empower students with essential leadership skills including communication, decision-making, teamwork, conflict resolution, and ethical leadership. Through text study, interactive lessons, practical projects, and self-reflection, students will learn how to apply leadership principles in real-world contexts, preparing them for future leadership roles in college, careers, and their communities. The goal of this course is for students to understand their own leadership abilities and feel comfortable taking leadership roles in their own family, career, and community.

Prerequisite: None
Credit: 0.5 unit

World Language — Spanish

This chart shows the course sequencing and progression of Spanish in Upper School. Three credits required to graduate. Check course descriptions for all prerequisites.



Spanish I

This course focuses on the development of communicative competence in the target language and understanding of the culture(s) of the people who speak the language. It assumes that the students have minimal or no prior knowledge of the language and culture.

Prerequisite: none
Credit: 1.0 unit

Spanish II

This course focuses on the development of communicative competence in the target language and understanding of the culture(s) of the people who speak the language. It assumes that the students have a prior knowledge of the language and culture(s).

Prerequisite: Spanish I or a minimum of 85 in 8th grade Spanish
Credit: 1.0 unit

Honors Spanish II

Spanish II Honors is a higher-level class that proceeds at a fast pace and covers more material that a regular class. This course builds on the program begun in Spanish I, adding new vocabulary and more complex grammatical structures while at the same time reinforcing what has been previously learned. As in the past, the four skills of reading, writing, speaking, and listening will be continually emphasized. To accomplish this, you will be expected to use previously learned vocabulary/grammar structures and also to learn new class material.

Prerequisite: Spanish I or a minimum of 93 in 8th grade Spanish and teacher recommendation
Out of Class Expectation: 2.5 hours/week
Credit: 1.0 unit

Spanish III

This course focuses on the development of communicative competence in the target language and understanding of the culture(s) of the people who

speak the language. It assumes the students have obtained the communicative skills from Spanish I and Spanish II. Students will continue to build on prior knowledge of the language and culture(s) with higher level content.

Prerequisite: Spanish II
Credit: 1.0 unit

Honors Spanish III

Spanish III Honors course continues to work towards the proficiency of the students four language skills in listening, speaking, reading, and writing. This level requires use of more complex grammatical structures. In order for the students to reach the maximum level of proficiency in this class, students will interact in Spanish with classmates, and teacher on everyday basis. Students will comprehend and analyze oral and written articles from original sources. Students will express both orally and in writing in the form of essays and presentations.

Prerequisite: Spanish II and teacher recommendation
Out of Class Expectation: 3.5 hours/week
Credit: 1.0 unit

Honors Spanish IV

Honors Spanish IV focuses on the continued development of communicative competence in the target language and understanding of the culture(s) of the people who speak the language. It assumes that the student has successfully completed a Level III or III Honors course or is at a novice-high or intermediate-low level of proficiency.

Prerequisite: Spanish III and teacher recommendation
Out of Class Expectation: 3.5 hours/week
Credit: 1.0 unit

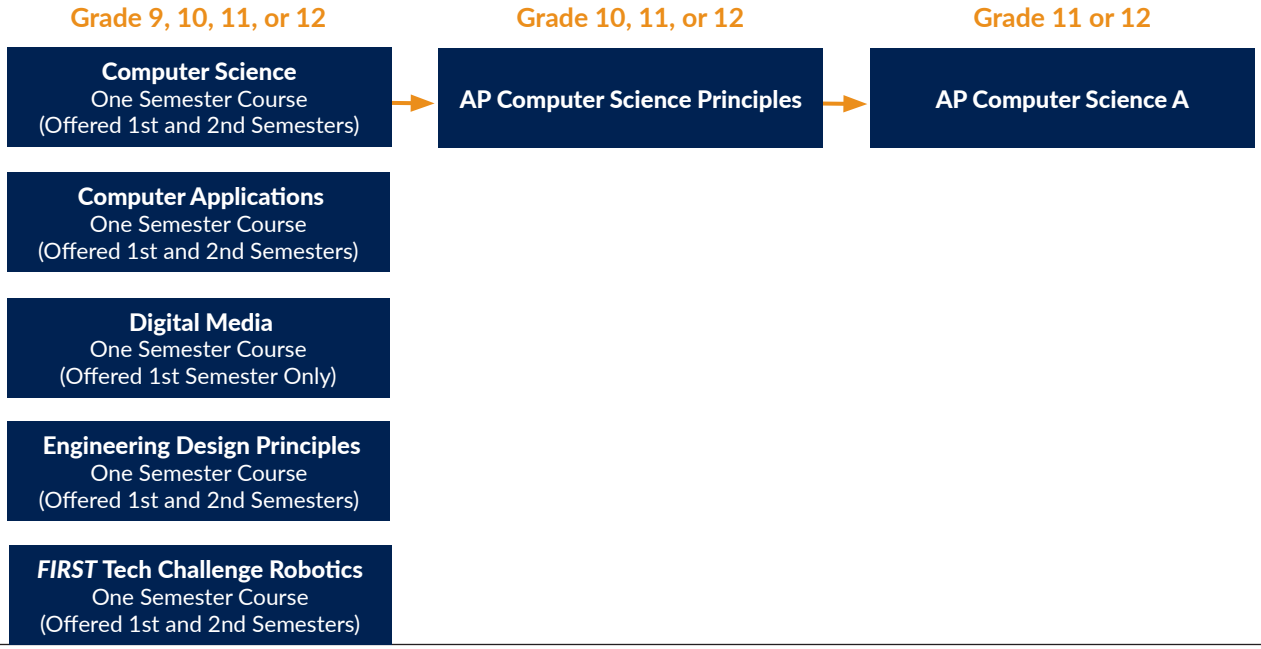
AP Spanish Language

The course is intended for qualified students who wish to complete studies in secondary school comparable in difficulty and content to such advanced-level college courses as Spanish Composition and Conversation. All course activities are geared to the course goals and expectations listed in the College Board publication.

Prerequisite: Honors Spanish IV and teacher recommendation
Out of Class Expectation: 3.5 hours/week
Credit: 1.0 unit

Technology

This chart shows the course sequencing and progression of Technology in Upper School. One credit required to graduate. Check course descriptions for all prerequisites.



Computer Applications

Computer Applications is a one-semester, project-based class aimed at getting students prepared and familiar with technology and information that they may find themselves using as adults. Students will explore the topics of Digital Citizenship, The Internet, Web/ Media Design, and Presentation Skills.

Prerequisite: none
Credit: 0.5 unit

Computer Science

Intro to Computer Science is a one-semester class that introduces students to the basic concepts and practices of computer programming. Students will explore various topics within the realm of computer science from coding basics and fundamentals to graphics and animation. The majority of the course will be taught using Python, one of the most popular programming languages in the world, and students will have the opportunity to practice what they learn by programming their own games and completing labs.

Prerequisite: none
Credit: 0.5 unit

Digital Media

This one-semester course will explore the history and development of the mass media which include newspaper, radio, TV, film, social media, and journalism. This project-based class will look how media influences the way people act in their personal lives and in business. Through analyzing a variety of media with a historical lens and creating their own media work, students will expand their critical thinking, develop aesthetic and ethical judgment, and advance their communication skills.

Prerequisite: none
Credit: 0.5 unit

Engineering Design Principles

Engineering Design Principles is a one-semester course designed to get students familiar with the engineering design process. In this course students will learn how to create technical freehand sketches, demonstrate proper lettering techniques, understand

and create orthographic drawings, and create 2D and 3D CAD designs. Students will also have the opportunity to experience and use 3D printing to design and prototype their own ideas.

Prerequisite: none
Credit: 0.5 unit

FIRST Tech Challenge Robotics

This course focuses on teams of students applying the engineering design process to the construction of competitive solutions to the annual FIRST Tech Challenge competition. In addition to exploring advanced robotics systems and concepts, students will also focus on proper technical documentation, marketing/business skills, presentation skills, and community outreach.

Students in this class will participate with Lakeview's FIRST Tech Challenge robotics team for which there are fees for equipment and tournaments. Participation in this course, and on the robotics team, does require time commitments outside of the normal daily schedule including afternoon practices and weekend competitions. This course may be taken more than once and can be taken during the first and/or second semester.

Prerequisites: Instructor approval required (Mikhail Lovell, Joe Kudyba)
Credit: 0.5 unit

AP Computer Science Principles

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

Prerequisite: Computer Science
Credit: 1.0 unit

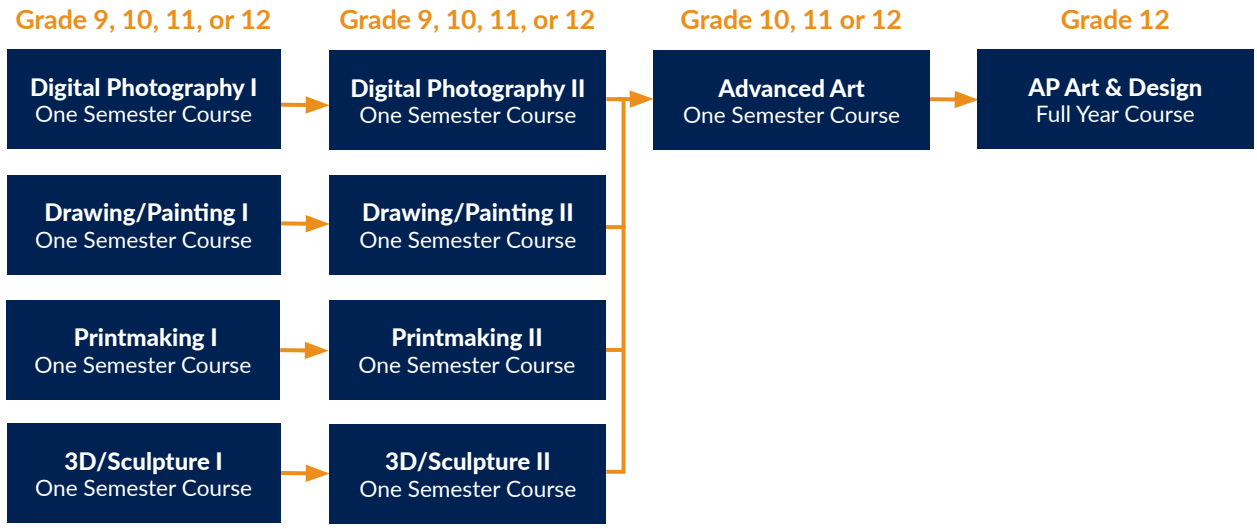
AP Computer Science A

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures through the Java programming language.

Prerequisite: AP Computer Science Principles
Credit: 1.0 unit

Visual Arts

This chart shows the course sequencing and progression of Visual Arts in Upper School. One credit in Fine Arts required to graduate and can be in Performing or Visual Arts. Check course descriptions for all prerequisites.



Digital Photography I

This is an introductory studio art class where students will explore various techniques of digital photography, art history, and art criticism. This course will teach students all technical applications of taking digital pictures with point and shoot and Digital SLR. This course will also teach students post production work such as photo editing using Adobe Photoshop software. Students will also learn to incorporate photographic images as a part of multi-media art.

Prerequisite: None
Credit: 0.5 unit

Digital Photography II

Building on the techniques and concepts learned in Photography I class, students will explore more sophisticated visual concepts using advanced Adobe Photoshop features. Improving picture taking and post production techniques, creating visual meaning, and articulating about artworks will be emphasized. Students will also learn to organize and present their photographs.

Prerequisite: Digital Photography I
Credit: 0.5 unit

Drawing/Painting I

This is an introductory studio art class where students will explore various art materials with emphasis on two-dimensional art, art history, and art criticism. Various drawing materials such as pencils, pens, oil pastels, etc., and painting materials such as acrylic and watercolor will be used.

Prerequisite: None
Credit: 0.5 unit

Drawing/Painting II

Building on the techniques and concepts learned in Drawing/Painting I class, students will explore more advanced visual concepts using a handful of select painting and drawing mediums. Improving studio techniques, creating visual meaning, incorporating art history/trends, and articulating about artworks will be emphasized.

Prerequisite: Drawing/Painting I
Credit: 0.5 unit

Printmaking I

This is a studio art class where students will explore various printmaking techniques, art history, and art criticism.

Prerequisite: None
Credit: 0.5 unit

Printmaking II

As a continuation of Printmaking I, Printmaking II builds on the techniques and concepts learned in Printmaking I. Students will explore the art form in more depth.

Prerequisite: Printmaking I
Credit: 0.5 unit

3-D/Sculpture I

This is an introductory studio art class where students will explore various art materials with emphasis on three-dimensional art, art history, and art criticism. Wood, paper, metal and other materials will be used.

Prerequisite: None
Credit: 0.5 unit

3-D/Sculpture II

As a continuation of 3-D/Sculpture I, 3-D/Sculpture II builds on the techniques and concepts learned in 3-D/Sculpture I. Students will explore the art form in more depth.

Prerequisite: 3-D/Sculpture I
Credit: 0.5 unit

Advanced Art

This is an advanced studio art class that is designed to prepare students for the year-long AP Studio Art class. Following the AP requirement format, students will explore various media – improving their techniques as well as learning to develop a cohesive body of work. Students must be highly motivated to be successful in this class. Repeating this semester-long class in a single school year is highly recommended.

Prerequisite: Minimum of two visual arts classes
Credit: 0.5 unit

AP Art and Design

Students develop art portfolios comparable to those expected at the freshman level of college. The AP Studio Art Program corresponds to the most common college foundation courses. The AP Studio Art is designed for students who are seriously interested in the practical experience of art. This course is not based on a written exam; instead, students submit portfolios for evaluations at the end of the school year. Curriculum conforms to the College Board specification for AP Studio Art. For details on the program, refer to the College Board's publication for AP Studio Art.

Prerequisite: minimum of four studio art classes and department permission
Credit: 1 unit

Performing Arts

Advanced Musical Theater

This is an auditioned (or performance equivalent) course offering designed for 9-12th grade students who are extremely interested in furthering their skills in the musical theater production process including acting, technical theatre, vocals and dance. This course concentrates on the study and real-life applications of theatre within the production process and is **strongly** recommended for students who want to be seriously considered for leading roles and/or head crew positions for both the fall and spring productions as most of these positions/roles will be filled by members of this class. Advanced Musical Theatre culminates each semester in a theatrical production and does require time commitments outside of the normal daily schedule depending on each student's area of concentration. This course may be taken more than once and can be taken either first and/or second semester. Auditions or instructor approval for this course will be held prior to the coming school year.

Prerequisites: auditions, prior experience and instructor approval (Cece Conrath, Joe Harris)
Credit: 0.5 unit

Chorale

The Lakeview Academy Upper School Chorale is a choir for students in grades 9 - 12. Students will learn about vocal production, breath control and diction for singing both individually and in a group setting. Students will enjoy singing and learning about a variety of choral music, and participate actively in listening, creating and perfecting the choral musical sound. The choir is a team and we depend on each other. This choir performs at many Lakeview events throughout the school year. Many opportunities are offered for students who are motivated to do so - All State Chorus, Music Festival, etc. All students are encouraged to participate in musical activities outside of the classroom.

Prerequisite: Teacher recommendation
Credit: 0.5 unit

Physical Education

Strength and Conditioning

Strength & Conditioning is designed to improve cardiovascular fitness, flexibility, agility and strength through the introduction and implementation of various core, Olympic, and auxiliary lifts. This class will also incorporate speed, agility, and injury prevention drills to help students to become better athletes and live healthier lives.

Prerequisite: None
Credit: 1.0 unit

Yoga

This course introduces students to the practice of yoga. Throughout the course we will focus on meditation, breath work, physical mobility, deep stretching, and relaxation. The physical modalities we will focus on are rooted in vinyasa, yin and restorative yoga. These various concentrations will improve strength, flexibility, balance, and relaxation.

We will learn breathing techniques to help the students manage stress, promote relaxation, and support their overall wellbeing. The students will practice meditation with the objective of enhancing focus and mindfulness.

Prerequisite: None
Credit: 1.0 unit