



# High School Course Catalog 2023

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# I. LANGUAGE ARTS COURSES

*English Language Arts courses are fully aligned with the Common Core State Standards<sup>1</sup>.*

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## **ENGLISH LANGUAGE ARTS 9** (1 Credit)

This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons across two semesters are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer’s *The Odyssey*, Shakespeare’s *Romeo and Juliet*, and Richard Connell’s *The Most Dangerous Game*.<sup>2</sup> They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

Note: Also available for honors (see Honors Courses paragraph below).

## **ENGLISH LANGUAGE ARTS 10** (1 Credit)

Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty-first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the writing software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

Note: Also available for honors (see Honors Courses paragraph below).

## **ENGLISH LANGUAGE ARTS 11** (1 Credit)

This junior-year English course invites students to delve into American literature from early Indigenous voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

Note: Also available for honors (see Honors Courses paragraph below).

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<sup>1</sup> <https://learning.ccsso.org/common-core-state-standards-initiative>

## **ENGLISH LANGUAGE ARTS 12 (1 Credit)**

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

Note: Also available for honors (see Honors Courses paragraph below).

## **LITERACY & COMPREHENSION I (1 Credit)**

This course is one of two intervention courses designed to support the development of strategic reading and writing skills. These courses use a thematic and contemporary approach, including high-interest topics to motivate students and expose them to effective instructional principles using diverse content area and real-world texts. Both courses offer an engaging technology-based interface that inspires and challenges students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

## **LITERACY & COMPREHENSION II (1 Credit)**

Offering high-interest topics to motivate students who are reading two to three levels below grade, this course works in conjunction with Literacy & Comprehension I to use a thematic and contemporary approach to expose students to effective instructional principles using diverse content area and real-world texts. Each of these reading intervention courses offers an engaging, technology-based interface that inspires and challenges high school and middle school students to gain knowledge and proficiency in the following comprehension strategies: summarizing, questioning, previewing and predicting, recognizing text structure, visualizing, making inferences, and monitoring understanding with metacognition. Aimed at improving fluency and vocabulary, self-evaluation strategies built into these courses inspire students to take control of their learning.

## **EXPOSITORY READING AND WRITING (1 Credit)**

This elective English course is designed to develop critical reading and writing skills while preparing high school students to meet the demands of college-level work. While students will explore some critical reading skills in fiction, poetry, and drama the focus of this course will be on expository and persuasive texts and the analytical reading skills that are necessary for college success. Students will read a range of short but complex texts, including works by Walt Whitman, Abraham Lincoln, Cesar Chavez, Martin Luther King Jr., Langston Hughes, Julia Alvarez, Edna St. Vincent Millay, and Gary Soto.

## **INTRODUCTION TO COMMUNICATIONS AND SPEECH (1 Credit)**

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

## **CLASSIC NOVELS AND AUTHOR STUDIES (1 Credit)**

The Classic Novels mini-courses give students the opportunity to fully explore a large work of fiction or to be introduced to a celebrated author. Designed to stand alone or to be inserted into an existing Imagine Edgenuity course, each mini-course guides students through the work with lectures, web activities, journals, and homework/practice. Students study the following novels: *1984*, *A Midsummer Night's Dream*, *Call of the Wild*, *Dr. Jekyll and Mr. Hyde*, *Heart of Darkness*, *Jane Eyre*, *Macbeth*, *Mrs. Dalloway*, *Portrait of the Artist*, *Robinson Crusoe*, *The House of Seven Gables*, *The Red Badge of Courage*, and *The Three Musketeers* along with the following author studies: Jorge Luis Borges and Flannery O'Connor.

## II. MATHEMATICS COURSES

*Mathematics courses are fully aligned with the Common Core State Standards<sup>2</sup>.*

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### **PRE-ALGEBRA** (1 Credit)

This full-year course is designed for high school students who have completed a middle school mathematics sequence but are not yet algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in numbers and operations, expressions and equations, ratios and proportions, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study.

### **ALGEBRA I** (1 Credit)

This full-year course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Note: Also available for honors (see Honors Courses paragraph below).

### **ALGEBRA II** (1 Credit)

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Note: Also available for honors (see Honors Courses paragraph below).

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<sup>2</sup> <https://learning.ccsso.org/common-core-state-standards-initiative>

## **GEOMETRY** (1 Credit)

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

Note: Also available for honors (see Honors Courses paragraph below).

## **PRECALCULUS** (1 Credit)

With an emphasis on function families and their representations, Precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.

## **MATHEMATICS I** (1 Credit)

The first in an integrated math series for high school, this course formalizes and extends middle school mathematics, deepening students' understanding of linear relationships. The course begins with a review of relationships between quantities, building from unit conversion to a study of expressions, equations, and inequalities. Students contrast linear and exponential relationships, including a study of sequences, as well as applications such as growth and decay. Students review one-, two-, and multi-step equations, formally reasoning about each step using properties of equality. Students extend this reasoning to systems of linear equations. Students use descriptive statistics to analyze data before turning their attention to transformations and the relationship between algebra and geometry on the coordinate plane.

## **MATHEMATICS II** (1 Credit)

This course begins with a brief exploration of radicals and polynomials before delving into quadratic expressions, equations, and functions, including a derivation of the quadratic formula. Students then embark on a deep study of the applications of probability and develop advanced reasoning skills with a study of similarity, congruence, and proofs of mathematical theorems. Students explore right triangles with an introduction to right-triangle trigonometry before turning their attention into the geometry of circles and making informal arguments to derive formulas for the volumes of various solids.

### **MATHEMATICS III (1 Credit)**

This course synthesizes previous mathematical learning in four focused areas of instruction. First, students relate visual displays and summary statistics to various types of data and to probability distributions with a focus on drawing conclusions from the data. Then, students embark on an in-depth study of polynomial, rational, and radical functions, drawing on concepts of integers and number properties to understand polynomial operations and the combination of functions through operations. This section of instruction builds to the fundamental theorem of algebra. Students then expand the study of right-triangle trigonometry they began in Mathematics II to include non-right triangles and developing the laws of sines and cosines. Finally, students model an array of real-world situations with all the types of functions they have studied, including work with logarithms to solve exponential equations. As they synthesize and generalize what they have learned about a variety of function families, students appreciate the usefulness and relevance of mathematics in the real world.

### **MATHEMATICAL MODELS WITH APPLICATIONS (1 Credit)**

Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models. Engaging lessons cover financial topics, including growth, smart money, saving, and installment-loan models. Prior mathematical knowledge is expanded and new knowledge and techniques are developed through real-world application of useful mathematical concepts.

### **FINANCIAL MATH (1 Credit)**

Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math. Relevant, project-based learning activities cover stimulating topics such as personal financial planning, budgeting and wise spending, banking, paying taxes, the importance of insurance, long-term investing, buying a house, consumer loans, economic principles, traveling abroad, starting a business, and analyzing business data. Offered as a two-semester course for high school students, this course encourages mastery of math skill sets, including percentages, proportions, data analysis, linear systems, and exponential functions.

### **CONCEPTS IN PROBABILITY AND STATISTICS (1 Credit)**

This full-year high school course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II and Pre-Calculus. The first half of the course begins with an in-depth study of probability and an exploration of sampling and comparing populations and closes with units on data distributions and data analysis. In the second half of the course, students create and analyze scatterplots and study two-way tables and normal distributions. Finally, students apply probability to topics such as conditional probability, combinations and permutations, and sets.

### **STATISTICS (1 Credit)**

This fourth-year high school math option provides a comprehensive introduction to data analysis and statistics. Students begin by reviewing familiar data displays through a more sophisticated lens before diving into an in-depth study of the normal curve. They then study and apply simple linear regression and explore sampling and experimentation. Next, students review probability concepts



and begin a study of random variables. Later topics also include sampling distributions, estimating and testing claims about proportions and means, and inferences and confidence intervals.

### **TRIGONOMETRY** (0.5 Credit)

In this one-semester course, students use their geometry and algebra skills to begin their study of trigonometry. Students will be required to express understanding using qualitative, quantitative, algebraic, and graphing skills. This course begins with a quick overview of right-triangle relationships before introducing trigonometric functions and their applications. Students explore angles and radian measures, circular trigonometry, and the unit circle. Students extend their understanding to trigonometric graphs, including the effects of translations and the inverses of trigonometric functions. This leads to the laws of sines and cosines, followed by an in-depth exploration of trigonometric identities and applications. This course ends with an introduction to the polar coordinate system, complex numbers, and DeMoivre's theorem.



### III. SCIENCE COURSES

*Science courses include options for hands-on wet labs, as well as virtual labs.*

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#### **LIFE SCIENCE** (1 Credit)

Examining a broad spectrum of the biological sciences, Life Science is a full-year course for middle school students that builds on basic principles of scientific inquiry and translates those skills to more complex, overarching biological themes. The course includes units that help students understand the definitions, forms, and classifications of living organisms and learn to analyze the diversity of each unique group of living organisms. Other units introduce students to the structures and functions of cells, cell theory, and cell reproduction. These larger themes are then applied to other topics, such as genetics, Darwinian theory, and human biology and health. An introduction of ecology draws all of these concepts together to examine the interrelationships that help to maintain life on Earth.

#### **EARTH SCIENCE** (1 Credit)

Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth. Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

#### **PHYSICAL SCIENCE** (1 Credit)

This full-year course focuses on basic concepts in chemistry and physics and encourages exploration of new discoveries in the field of physical science. The course includes an overview of scientific principles and procedures and has students examine the chemical building blocks of our physical world and the composition of matter. Additionally, students explore the properties that affect motion, forces, and energy on Earth. Building on these concepts, the course covers the properties of electricity and magnetism and the effects of these phenomena. As students refine and expand their understanding of physical science, they will apply their knowledge to complete interactive virtual labs that require them to ask questions and create hypotheses. Hands-on wet lab options are also available.

#### **BIOLOGY** (1 Credit)

This compelling two-semester course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

Note: Also available for honors (see Honors Courses paragraph below).

### **CHEMISTRY (1 Credit)**

This rigorous, full-year course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Note: Also available for honors (see Honors Courses paragraph below).

### **PHYSICS (1 Credit)**

This full-year course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

Note: Also available for honors (see Honors Courses paragraph below).

### **ENVIRONMENTAL SCIENCE (1 Credit)**

Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

## IV. SOCIAL STUDIES COURSES

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### **SURVEY OF WORLD HISTORY (1 Credit)**

This yearlong course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history. At the end of the course, students conduct a rigorous study of modern history, allowing them to draw connections between past events and contemporary issues. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to draw connections between the past and the present, among cultures, and among multiple perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events.

### **MODERN WORLD HISTORY (1 Credit)**

This yearlong course examines the major events and turning points of world history from the Enlightenment to the present. Students investigate the foundational ideas that shaped the modern world in the Middle East, Africa, Europe, Asia, and the Americas, and then explore the economic, political, and social revolutions that have transformed human history. This rigorous study of modern history examines recurring themes, such as social history, democratic government, and the relationship between history and the arts, allowing students to draw connections between the past and the present, across cultures, and among multiple perspectives. Students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. Students also sharpen their writing skills in shorter tasks and assignments, and practice outlining and drafting skills by writing full informative and argumentative essays.

### **SURVEY OF UNITED STATES HISTORY (1 Credit)**

This one-year course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the Era of Exploration through modern times. As students examine each era of history, they will analyze primary sources and carefully research events to gain a clearer understanding of the factors that have shaped U.S. history. In early units, students will assess the foundations of U.S. democracy while examining crucial documents. In later units, students will examine the effects of territorial expansion, the Civil War, and the rise of industrialization. They will also assess the outcomes of economic trends and the connections between culture and government. As the course draws to a close, students will focus their studies on the causes of cultural and political change in the modern age. Throughout the course, students will learn the importance of cultural diversity while examining history from different perspectives.

Note: Also available for honors (see Honors Courses paragraph below).

## **UNITED STATES HISTORY I (1 Credit)**

U.S. History I is a yearlong course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that shaped the nation of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical-thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction.

Note: Also available for honors (see Honors Courses paragraph below).

## **UNITED STATES HISTORY II (1 Credit)**

U.S. History II is a yearlong course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on our country's rise to global prominence. Students will also examine the influence of social and political movements on societal change and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and among multiple perspectives.

Note: Also available for honors (see Honors Courses paragraph below).

## **CIVICS AND CITIZENSHIP\* (0.5 Credit)**

Civics and Citizenship is a one-semester elective appropriate for students in middle school and early high school. The course investigates events, concepts, and issues with a 360-degree view allowing multiple perspectives from various cultures and institutions to inform student learning. The course is divided into five units in which students will explore their civic roles, rights, and responsibilities; analyze the development of democracy in the United States; study the purposes and principles of the Constitution; investigate the role of power in decision-making; and discover ways to influence the government. The course provides opportunities to actively engage with the content through interactives, assignments, readings, short writings, projects, and discourse.

## **UNITED STATES GOVERNMENT\* (0.5 Credit)**

This semester-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After a rigorous review of the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce influential Supreme Court decisions to demonstrate the impact and importance of constitutional rights. The course builds on this foundation by guiding students through the function of government today and the role of citizens in the civic process and culminates in an examination of public policy and the roles of citizens and organizations in promoting policy changes. Throughout the course, students examine primary and secondary sources, including political cartoons, essays, and

judicial opinions. Students also sharpen their writing skills in shorter tasks and assignments and practice outlining and drafting skills by writing full informative and argumentative essays.

Note: Also available for honors (see Honors Courses paragraph below).

### **ECONOMICS** (1 Credit)

Available as either a semester or a full year, this course invites students to broaden their understanding of how economic concepts apply to their everyday lives—including microeconomic and macroeconomic theory and the characteristics of mixed-market economies, the role of government in a free-enterprise system and the global economy, and personal finance strategies. Throughout the course, students apply critical-thinking skills while making practical economic choices. Students also master literacy skills through rigorous reading and writing activities. Students analyze data displays and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples. In more extensive, process-based writing lessons, students write full-length essays in informative and argumentative formats.

Note: Also available for honors if taken as a One Semester 0.5 Credit Course (see Honors Courses paragraph below).

### **HUMAN GEOGRAPHY** (1 Credit)

Examining current global issues that impact our world today, this course takes a thematic approach to understanding the development of human systems, human understanding of the world, and human social organization. Divided into two semesters, this high school course will challenge students to develop geographic skills, including learning to interpret maps, analyze data, and compare theories. Offering interactive content that will grow students' understanding of the development of modern civilization and human systems—from the agricultural revolution to the technological revolution—this course encourages students to analyze economic trends as well as compare global markets and urban environments.



## V. HONORS COURSES

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### **ALGEBRA I HONORS** (1 Credit)

This full-year honors course introduces students to linear, exponential, and quadratic functions by interpreting, analyzing, comparing, and contrasting functions that are represented numerically, tabularly, graphically, and algebraically. Technology is utilized within some lessons to further support students in identifying key features as well as displaying images of the functions. The course builds upon the basic concepts of functions to include transformations of linear and non-linear functions. Students deepen their understanding of quantitative reasoning, piecewise functions, and quadratic functions through performance tasks. The additional performance-based skills allow the honors students to apply more of the concepts taught in the course. The course concludes with students analyzing data through displays and statistical analysis.

### **GEOMETRY HONORS** (1 Credit)

The course begins by exploring the foundational concepts of Euclidean Geometry in which students learn the terminology of geometry, measuring, proving theorems, and constructing figures. Students then expand on their knowledge of transformations and complete an assignment on identifying point symmetry as well as completing a performance task on tessellations. The course continues with an in-depth look at triangles where students prove theorems, relating congruency and similarity in terms of transformations, and connecting right triangles relationships to trigonometry. Students study set theory and apply probability through theoretical and experimental probability, two-way tables, and combinations and permutations. With lessons pertaining to quadrilaterals, students can identify the various figures based on their key features. Within the circles units, students identify angles, radii, and chords, perform a performance-based task on tangents, and then compute the circumference and area of various circles. Then students study parabolas, ellipses and hyperbolas before modeling and computing two-and three-dimensional figures.

### **MATHEMATICS I HONORS** (1 Credit)

Mathematics I is the first course in a three-year series of integrated math courses. The integrated math series is an alternative to the traditional Algebra I – Geometry – Algebra II pathway, placing some Geometry in each year of instruction.

This full-year course formalizes and extends middle-school mathematics, deepening students' understanding of linear relationships. The course begins with a review of relationships between quantities, building from unit conversion to a study of expressions, equations, and inequalities. Students contrast linear and exponential relationships, including a study of sequences, as well as applications such as growth and decay. Students review one-, two-, and multi-step equations, formally reasoning about each step using properties of equality. Students extend this reasoning to systems of linear equations. Students use descriptive statistics to analyze data before turning their attention to transformations and congruency theorems. Equations and figures in the coordinate plane assist in connecting Algebra and Geometry through coordinates. The structure and content of this course naturally guides students to experience mathematics as a rational, beneficial subject which challenges students to critically think through problem situations.

## **MATHEMATICS II HONORS** (1 Credit)

Mathematics II is the second course in a three-year series of integrated math courses. The integrated math series is an alternative to the traditional Algebra I – Geometry – Algebra II pathway, placing some Geometry in each year of instruction.

This course begins by focusing on the extension of the number system. Students evaluate functions, touch on exponential functions, and explore the operations of polynomials. Next, nonlinear functions are covered before students complete a unit on factoring polynomials using various methods. The course continues with quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from previous courses. As quadratic equations become more multifaceted, real and complex numbers are introduced to extend the set of rational numbers which can be used to solve quadratic equations. Students also explore the link between probability and data through conditional probability, two-way tables, and counting methods. Finally, this course challenges students to make connections between algebra and geometry as they study similarity, right triangle trigonometry and proofs, as well as circles with and without coordinates. Students are able to use coordinates to prove simple geometric theorems algebraically as well as analyze two- and three-dimensional figures. The content within this course allows students to practice problem solving and critical thinking as they attempt real-world scenario math problems.

## **MATHEMATICS III HONORS** (1 Credit)

Mathematics III is the third course in a three-year series of integrated math courses. The integrated math series is an alternative to the traditional Algebra I – Geometry – Algebra II pathway, placing some Geometry in each year of instruction.

This course synthesizes previous mathematical learning in four focused areas of instruction. First, students relate visual displays and summary statistics to various types of data and to probability distributions with a focus on drawing conclusions from the data. Then, students embark on an in-depth study of polynomial, rational, and radical functions, drawing on concepts of integers and number properties to understand polynomial operations and the combination of functions through operations. This section of instruction builds to the Fundamental Theorem of Algebra. Students then expand the study of right-triangle trigonometry they began in Mathematics II to include non-right triangles, developing the Laws of Sines and Cosines. Finally, students model an array of real-world situations with all the types of functions they have studied, including work with logarithms to solve exponential equations. As they synthesize and generalize what they have learned about a variety of function families, students appreciate the usefulness and relevance of mathematics in the real world.

## **ALGEBRA II HONORS** (1 Credit)

The course begins with a review of concepts that will assist students throughout the course, such as literal equations, problem solving, and word problems. Students then progress to a unit on functions where students compute operations of functions, compose of functions, and study inverses of functions. To build on their algebraic skills, students learn about complex numbers and apply them to quadratic functions via completing the square and quadratic formula methods. Next, students solve linear systems and apply their knowledge of the concept to three-by-three systems. An in-depth study on polynomial operations and functions allow students build their knowledge of polynomials algebraically and graphically. In the second semester, students study nonlinear



functions. Students solve and graph rational and radical functions whereas the exponential and logarithmic functions focus on the key features and transformations of the functions. Expected value and normal distribution concepts expand and deepen students' knowledge of probability and statistics. Students also cover trigonometric functions and periodic phenomena.

### **PRECALCULUS HONORS** (1 Credit)

This full-year advanced math course starts with a unit on the nature of functions and complex numbers before moving into matrices, systems, and linear programming. Students then return to functions with a focus on graphing a variety of function types; this unit includes a performance task on production schemes. Students explore rational functions in depth and then conclude the first semester with right triangle and circular trigonometry. In the second half of the course, students synthesize what they have learned to graph and solve trigonometric functions. They also study vectors, conics and analytic geometry, statistics and probability, mathematical modeling, and sequences and series.

### **LANGUAGE ARTS 9 HONORS** (1 Credit)

This freshman honors English course invites students to explore a variety of diverse and complex texts organized into thematic units. Students will engage in literary analysis and inferential evaluation of great texts, both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Interwoven throughout the lessons are activities that encourage students to strengthen their oral language skills, research and critically analyze sources of information, and produce clear, coherent writing. In addition to activities offered to students in core courses, honors students are given additional opportunities to create and to participate in project-based learning activities, including writing a Shakespearean sonnet and creating an original interpretation of a Shakespearean play. Honors students will read a range of classic texts, including Homer's *The Odyssey*, Shakespeare's *Romeo and Juliet*, Jack London's "To Build a Fire" and Richard Connell's "The Most Dangerous Game." Students will also read Sue Macy's full length nonfiction work *Wheels of Change: How Women Rode the Bicycle to Freedom (With a Few Flat Tires Along the Way)*, and will study a variety of short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

### **LANGUAGE ARTS 10 HONORS** (1 Credit)

This sophomore-year honors English course provides engaging and rigorous lessons with a focus on academic inquiry to strengthen knowledge of language arts. Honors reading lessons require analyzing complex texts, while concise mini-lessons advance writing and research skills to craft strong, compelling essays and projects. Students will write argumentative and analytical essays based on literary texts, as well as an informative research paper using MLA style. Throughout the course, students read a range of classic and contemporary literary texts including Henrik Ibsen's *A Doll's House*, George Orwell's *Animal Farm*, and Marjane Satrapi's *Persepolis*. In addition to reading a wide range of literary texts, students read and analyze complex informational and argumentative texts including Sonia Sotomayor's "A Latina Judge's Voice," Niccolò Machiavelli's *The Prince*, and the contemporary informational text *Sugar Changed the World: A Story of Magic, Spice, Slavery, Freedom, and Science*.

## **LANGUAGE ARTS 11 HONORS** (1 Credit)

This junior-year honors English course invites students to delve into American literature from early Indigenous voices through contemporary works. Students will engage in literary analysis and inferential evaluation of great texts, including the full length novel *The Awakening* by Kate Chopin. While critically reading fiction, poetry, drama, and expository nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Interwoven throughout the lessons are activities that encourage students to strengthen their oral language skills, research and critically analyze sources of information, and produce clear, coherent writing. To round out the course, students will read a range of short but complex texts, including Henry David Thoreau's essay "Civil Disobedience," Floyd Dell's drama *King Arthur's Socks*, and works by Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

## **LANGUAGE ARTS 12 HONORS** (1 Credit)

This senior-year honors English course invites students to delve into British literature, from ancient texts such as the epic of Beowulf through contemporary works. Students will engage in a variety of rigorous lessons with a focus on academic inquiry, literary analysis, and inferential evaluation. While critically reading fiction, poetry, drama, and expository nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, examine and critique how authors develop ideas in a variety of genres, and synthesize ideas across multiple texts. In addition to activities offered to students in core courses, honors students are given additional opportunities to create and participate in project-based learning activities, including creating a time travel brochure and an original interpretation of William Shakespeare's *The Tragedy of Hamlet*. Honors students will read a range of classic texts, including Robert Louis Stevenson's *The Strange Case of Dr. Jekyll and Mr. Hyde*, "Politics and the English Language" by George Orwell, and William Shakespeare's *The Tragedy of Hamlet*. In addition to full length works, students will read a variety of excerpts, including readings from *Lord of the Rings: The Fellowship of the Ring*, *The Smithsonian's History of America in 101 Objects*, and Chaucer's *The Canterbury Tales*, as well as a variety of short fiction, speeches, and poetry.

## **BIOLOGY HONORS** (1 Credit)

This compelling full-year course engages students in a rigorous honors-level curriculum that emphasizes the study of life and its real-world applications. This course examines biological concepts in more depth than general biology and provides a solid foundation for collegiate-level coursework. Course components include biochemistry, cellular structures and functions, genetics and heredity, bioengineering, evolution, structures and functions of the human body, and ecology. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

## **CHEMISTRY HONORS** (1 Credit)

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes mathematical problem solving and practical applications of chemistry. Topics are examined in greater detail than general chemistry in order to prepare students for college-level coursework. Course components include atomic theory and structure, chemical bonding, states and changes of matter, chemical and redox reactions, stoichiometry, the gas laws, solutions, acids and

bases, and nuclear and organic chemistry. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

### **PHYSICS HONORS (1 Credit)**

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes abstract reasoning and applications of physics concepts to real-world scenarios. Topics are examined in greater detail than general physics and provide a solid foundation for collegiate-level coursework. Course components include one- and two-dimensional motion, momentum, energy and thermodynamics, harmonic motion, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

### **ECONOMICS HONORS (1 Credit)**

From creating graphs to reach equilibrium to learning to manage a bank account, students will take part in a more rigorous semester long study of the principles and processes of economics in the American system. Students begin with an introduction of basic economic concepts then move on to an in-depth study of microeconomic principles. Students showcase their understanding of supply, demand, and economic choices by completing a case study on starting a business. Students then turn to macroeconomic concepts, government policies, and entrepreneurship. With this foundation, students create a proposal for public policies and programs in a small developing nation. Students continue their study of Economics by examining global economic concepts such as trade barriers and agreements. This Honors course concludes with a unit on personal finance. Students will learn more about topics such as taxation, financial institutions, credit, and money management. Students extend their knowledge of personal financial planning by creating a successful budget. Throughout the course, economic theory is introduced, demonstrated, and reinforced through real-life scenarios and examples. In assignments and project-based lessons, students learn to apply critical thinking skills while making practical economic choices.

### **SURVEY OF UNITED STATES HISTORY HONORS (1 Credit)**

From the first colonial settlements through today's society, students will embark on a more rigorous yearlong study of our nation's history. Students investigate the economic, political, and social revolutions that have transformed our country into the nation it is today. Units progress through the course by taking an in-depth look at events such as those surrounding the creation of the Constitution, the Civil War, our nation's involvement in World War I and II, as well as cultural aspects of our society. From writing about life in the colonies to analyzing landmark Supreme Court decisions, students are better equipped to compare what happened in yesterday's world with what is going on in our modern era. Throughout this Honors course, students continuously analyze primary and secondary sources relating to the period of study. Incorporating activities from other disciplines gives students the opportunity to connect history to other subjects. Students read excerpts from novels like Upton Sinclair's *The Jungle*, and poetry such as "The New Colossus" by Emma Lazarus. Activities such as writing a petition and analyzing various Presidents' speeches encourage students to perform throughout the course at a higher level.

## **SURVEY OF WORLD HISTORY HONORS (1 Credit)**

From the first civilizations through today's society, students will embark on a more rigorous yearlong study of our world's history. Students investigate classical civilizations in the Middle East, Africa, Europe, and Asia while exploring the economic, political, and social revolutions that have transformed human history.

Units progress through the course by touching on world wars, imperialism, and cultural aspects of each region's society. From creating an explorer's notebook to mapping out how Europe changed after World War II, students are better equipped to compare what happened in yesterday's world with what is going on in our modern era. Throughout this Honors course, students continuously analyze primary and secondary sources relating to the region and era of study. Incorporating activities from other disciplines gives students the opportunity to connect history to other subjects. Students read excerpts from novels such as Charles Dickens' *Hard Times* and excerpts from memoirs like Ji-li Jiang's *Red Scarf Girl*. Projects such as writing a summary of a current event based on an ancient religion encourage students to perform throughout the course at a higher level.

## **UNITED STATES GOVERNMENT HONORS (1 Credit)**

From the origins of democracy through our nation's public policies, students will take part in a more rigorous semester long study of the principles and procedures of the United States' government. Students begin by taking an in-depth look at the creation of the Constitution and analyze the Amendments contained therein. Supreme Court cases that have challenged what our constitutional rights are and their lasting impact is the next topic covered in the course. Students then study the structure and duties of our government, including writing an informative essay about a federal agency. Students then explore the duties of an American citizen and finally examine the various public policies our government is responsible for. From writing about the purpose of government to analyzing landmark Supreme Court decisions, students are better equipped to understand how the federal, state, and local governments work as well as how citizens should engage with each other in today's society. Throughout this Honors course, students continuously analyze primary and secondary sources, including political cartoons, essays, and judicial opinions. Projects such as creating a political cartoon and taking part in a debate about voter ID laws encourage students to perform throughout the course at a higher level.

## **UNITED STATES HISTORY I HONORS (1 Credit)**

From the first colonial settlements through the Gilded Age and industrialization, students will embark on a more rigorous yearlong study of the beginnings of our nation's history. Students investigate the political, social, cultural, intellectual, and technological revolutions of the United States that have helped to lay the foundation of our country. Units progress through the course by starting with an in-depth look at the first settlements and European explorations that eventually led to colonization. Students study the events and outcomes of the American Revolution, as well as the creation of the Constitution and the beginnings of our government. Manifest destiny and slavery are the next topics students analyze that lead into a closer look at the Civil War and how it changed our nation. From writing about the Lincoln-Douglas debates to analyzing the effects of immigration and urbanization, students are better equipped to understand what happened during our nation's beginnings. Throughout this Honors course, students continuously analyze primary and secondary sources relating to the period of study. Incorporating activities from other disciplines gives students the opportunity to connect history to other subjects. Students read selections like "Your People Live Only Upon Cod," and poetry such as "The New Colossus" by Emma Lazarus. Activities such as

writing a personal narrative as either an enslaved or newly freed person and analyzing a report on child labor encourage students to perform throughout the course at a higher level.

### **UNITED STATES HISTORY II HONORS (1 Credit)**

From the Industrial Revolution through today's society, students will embark on a more rigorous yearlong study of our country's modern history. Students investigate the economic, political, and social revolutions that have transformed our country into the nation it is today. Units progress through the course by taking an in-depth look at events such as those surrounding our nation's expansion westward, civil rights in various eras, our nation's involvement in World War I and II, as well as cultural aspects of our society. From analyzing landmark Supreme Court decisions to writing about advancements in technology, students are better equipped to compare what happened in yesterday's world with what is going on in our modern era. Throughout this Honors course, students continuously analyze primary and secondary sources relating to the period of study. Incorporating activities from other disciplines gives students the opportunity to connect history to other subjects. Students read excerpts from novels like Upton Sinclair's *The Jungle*, and Geronimo's autobiography, *Story of His Life*. Activities such as writing about how the frontier is part of America's history and national character and analyzing various Presidents' speeches encourage students to perform throughout the course at a higher level.

## VI. AP COURSES

*AP programs are rigorous, US college-level courses<sup>3</sup>. Colleges and universities around the world recognize AP scores to inform their admissions, placement, or scholarship decisions.*

### **Advanced Placement International Diploma**

*The AP International Diploma (APID) is a globally recognized certificate awarded to students who display exceptional achievement across a variety of disciplines. The award certifies academic excellence to college and universities all over the world. The College Board will automatically award the certificate in the year the student meets all eligibility requirements.<sup>4</sup>*

*Note: Students are responsible for registering for the AP exam themselves on time, see the College Board website for details.<sup>5</sup>*

*Almost all AP courses listed below require the purchase of specific college-level textbooks. These textbooks are not included in the course fee and should be purchased online or in retail bookstores<sup>6</sup> before beginning the course.*

***Please contact UStudy Academy to learn which institutions in which countries recognize AP scores, for a detailed description of AP courses and exams or with any other question regarding AP.***

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### **AP BIOLOGY (1 Credit)**

This yearlong, college-level course is designed to prepare students for the AP Biology exam. Units of study include Biochemistry, Cells, Enzymes and Metabolism, Cell Communication and Cell Cycle, Gene Expression, Evolution and Genetic Diversity, and Ecology.

Notes:

- This course includes student guides and materials lists for required hands-on labs; these materials are not included in the course.
- At the moment this course is based on self-study, so no instruction support is available

### **AP CALCULUS AB (1 Credit)**

Major topics of study in this full-year course include a review of pre-calculus, limits, derivatives, definite integrals, mathematical modeling of differential equations, and the applications of these concepts. Emphasis is placed on the use of technology to solve problems and draw conclusions. The course utilizes a multi-representative approach to calculus with concepts and problems expressed numerically, graphically, verbally, and analytically.

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<sup>3</sup> AP and Advanced Placement are registered trademarks of the College Board. <https://apstudents.collegeboard.org>

<sup>4</sup> <https://apcentral.collegeboard.org/exam-administration-ordering-scores/scores/awards/international-diploma>

<sup>5</sup> <https://apstudents.collegeboard.org/register-for-ap-exams>

<sup>6</sup> E.g. Amazon, Bol, the American Book Center

Required Text:

Finney, Ross L., Franklin D. Demana, Bet K. Waits, and Daniel Kennedy. *Calculus: Graphical, Numerical, Algebraic, 6<sup>th</sup> ed.* Boston: Pearson, 2020. ISBN-10: 1418300209. ISBN-13: 9781418300203.

### **AP ENGLISH LANGUAGE & COMPOSITION (1 Credit)**

In this introductory college-level course, students advance their understanding of rhetoric and writing through the reading, analyzing, and writing of rhetorical texts. Throughout the course, students explore the basic tenets of writing and argumentation, such as rhetorical situation, claims and evidence, reasoning and organization, and style. Students will read and analyze a variety of nonfiction genres, including essays, journalism articles, political writings, science writings, nature writings, autobiographies, biographies, diaries, speeches, history writings, and criticisms from multiple perspectives and backgrounds. The primary focus is on writing evidence-based analytical, synthesis, and argumentative essays and analyzing the rhetorical choices of a wide range of nonfiction writers. In addition to explicit instruction and a variety of independent and collaborative learning opportunities, the course offers specific exam preparation lessons and practice.

Required Texts:

- Shea, Renee, et al. *The Language of Composition. Reading, Writing, Rhetorics. 3<sup>rd</sup> ed.*, Bedford/St. Martin's, 2018. ISBN-10: 1319056148. ISBN-13: 978-1319056148.
- Alter, Adam. *Irresistible: The Rise of Addictive Technology and the Business of Keeping Us Hooked.* Penguin Press, 2017. ISBN-10: 1594206643. ISBN-13: 978-1594206641.
- Skloot, Rebecca. *The Immortal Life of Henrietta Lacks.* Crown, 2011. ISBN-10: 1400052181. ISBN-13: 978-978-1400052189.

### **AP STATISTICS (1 Credit)**

Major topics of study include exploring one-and two-variable data, sampling, experimentation, probability, sampling distributions, and statistical inference. These topics are organized into three big ideas: variation and distribution, patterns and uncertainty, data-based predictions, decisions, and conclusions.

Required Text:

Starnes, Daren S., Tabor, Josh, *The Updated Practice of Statistics, 6<sup>th</sup> ed.*, New York: W.H. Freeman & Co. 2020. ISBN-10: 131926929X. ISBN-13: 978-1319269296.

### **AP UNITED STATES GOVERNMENT AND POLITICS (0.5 Credit)**

This one-semester college-level course is designed to prepare students for the AP United States Government and Politics exam. Students will study the Constitutional underpinnings and structure of the United States government, issues of politics and political parties, and topics in civil rights and public policy, demonstrating their understanding and acquisition of skills through written work, project-based activities, and practice exams.

Required Texts:

- Wilson, James Q., John Dilulio, Jr. and Meena Bose, *American Government: Institutions and Policies*, 16<sup>th</sup> ed. Connecticut: Cengage Learning, 2019. ISBN-10: 1337568392. ISBN-13: 978-1337568395.
- Woll, Peter. *American Government: Readings and Cases*, 19<sup>th</sup> ed. Illinois: Pearson Education, Inc. 2012. ISBN-10: 0205116140. ISBN-13: 9780205116140.

### **AP UNITED STATES HISTORY (1 Credit)**

This course surveys the history of the United States from the settlement of the New World to modern times. The course emphasizes themes such as national identity, economic transformation, immigration, politics, international relations, geography, and social and cultural change. Students learn to assess historical materials, weigh the evidence and interpretations presented in historical scholarship, and analyze and express historical understanding in writing.

#### Required Text:

Henretta, James A., Eric Hinderakker, Rebecca Edwards, and Robert O. Self. *America's History, For the AP Course*, 8<sup>th</sup> ed. Boston: Bedford/St. Martin's, 2014. ISBN-10: 1457628937. ISBN-13: 978-1457628931.

The following later edition of the primary textbook is also compatible with the course. Page references are provided in the course documents: Henretta, James A., Eric Hinderakker, Rebecca Edwards, and Robert O. Self. *America's History, For the AP Course*, 8<sup>th</sup> ed. Boston: Bedford/St. Martin's, 2018.

Note: this course has a no-cost, online open-source option available. Contact UStudy Academy for information.

### **AP WORLD HISTORY: MODERN (1 Credit)**

This advanced study of world history explores historical themes common to societies around the world and across time periods, from 1200 to the present day. Emphasis is placed on document analysis, historical thinking skills, reasoning processes, and essay writing. Students will demonstrate their understanding and acquisition of skills through written work, document-based questions, project-based activities, and practice exams.

#### Required Text:

Strayer, Robert W. and Nelson, Eric W. Since 1200 C.E.: *Ways of the World with Sources for the AP<sup>®</sup> Modern Course*, 4<sup>th</sup> ed. 2020. ISBN-10: 131923657X. ISBN-13: 978-1319236571.

The following earlier edition of the Strayer and Nelson text is also compatible with the course. Page references are provided in the course documents: Strayer, Robert W. and Nelson, Eric W. *History with Sources (For the AP Course)*, 4<sup>th</sup> ed. Boston: Bedford, Freeman and Worth, 2019. ISBN-10: 1319173497. ISBN-13: 9781319173494.



## VII. CLEP COURSES

*The College Level Examination Program (CLEP) is a group of standardized tests created and administered by the College Board.<sup>7</sup> These tests cover a variety of 36 subject areas commonly found in lower-level college courses in the US. Each test usually corresponds to a one or two semester introductory course on the topic, though the Spanish, French and German Language exams can be used to earn up to 12 credits. Nearly 3,000 colleges grant CLEP credit. Students planning to pursue an associate or bachelor's degree in the US can save up a lot of time, money and get credit for what they already know by passing a CLEP test.*

*Note: Students are responsible for registering for the CLEP exam themselves, see the College Board website for details.<sup>8</sup> Colleges may award different amounts of credit depending on the student's test scores.*

*CLEP courses listed below do **not** require the purchase of textbooks. Texts are included in the course. However, textbooks may be purchased online or in retail bookstores<sup>9</sup> before beginning the course.*

***Please contact UStudy Academy to learn which institutions in which countries recognize CLEP scores, for a detailed description of each course and exam or with any other question regarding CLEP.***

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### AMERICAN GOVERNMENT (3 College Credits)

This course reviews all the substantive material that is usually taught in one-semester introductory course in American Government and politics at college. It covers topics such as the institutions and policy processes of the federal government, the federal courts and civil liberties, political parties and interest groups, political beliefs and behavior, and the content and history of the Constitution.

This thorough background in American Government also will give you a greater understanding of the news on politics and the government that you might get from the radio, TV, online or in print on a day-to-day basis. You'll find out why the people around you and across the country vote the way they do. You'll become more aware of the rights of US citizens and the liberties they are entitled to, as outlined in the Bill of Rights by the Framers of the Constitution.

### AMERICAN LITERATURE (3 College Credits)

This course covers all the substantive material that is usually taught in a survey course of American Literature at the college level. It reviews the prose and poetry written in the United States from colonial times to the modern era. You will progressively go through the different stages of writing. Specifically, you will look at The Colonial era, the Early National Period, the Romantic Period, the Period of Realism and Naturalism, the Modernist Period and the Contemporary Period Terms. Then you will look at Verse Forms and Literary Devices and a section on Writing the Essays. You will go through the major movements and look at the major writers of them, discuss their lives a bit, and take a look at some of their important work.

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<sup>7</sup> CLEP and College Level Examination Program are registered trademarks of the College Board.

<sup>8</sup> <https://clep.collegeboard.org/register-for-an-exam>

<sup>9</sup> E.g. Amazon, Bol, the American Book Center

## **ANALYZING AND INTERPRETING LITERATURE (3 College Credits)**

This course reviews the fundamentals of Analyzing Literature that are usually covered throughout a one-semester, undergraduate college course. It is based on passages of poetry, drama, fiction, and nonfiction from American and British literature. This course will review materials intended to improve your ability to analyze prose, interpret metaphors and reinforce terminology used to discuss literary texts.

## **BIOLOGY (6 College Credits)**

This course reviews the fundamentals of Biology that are usually covered throughout a one-year college course. It reviews three major areas: molecular and cellular biology, organismal biology, and population biology.

## **CALCULUS (4 College Credits)**

This course reviews the fundamentals taught in a one-semester college course in calculus. Our lessons are aligned to the content of the exam, which covers approximately 60% limits and differential calculus and 40% integral calculus. Algebraic, trigonometric, exponential, logarithmic, and general functions are included. Calculus as we know it today is much more recent than much of the mathematics you studied: it is only about 350 years old. It forms an illustrious cornerstone in human knowledge, and is the basis for modern physics and economics, among other fields.

## **CHEMISTRY (6 College Credits)**

This course covers all of the substantive that is usually taught in one-year college course in general chemistry. It places a major emphasis on understanding the structure and states of matter, reaction types, equations and stoichiometry, equilibrium, kinetics, thermodynamics. It also explores descriptive and experimental chemistry as well as fosters the ability to interpret and apply this material to new and unfamiliar problems. This course is organized into nine topical chapters or modules that contain short video lessons, exercises and readings. Students are expected to know how and when to make appropriate use of an online scientific (nongraphing) calculator function and a periodic table

## **COLLEGE ALGEBRA (3 College Credits)**

This course reviews the fundamentals taught in Algebra during one semester in college. It provides you with algebraic skills and knowledge on key concepts, including vocabulary, symbols, and notation. It provides you with the basic algebraic skills and knowledge on key concepts, including vocabulary, symbols, and notation. The material covered includes basic algebra, equations and inequalities, functions, and number systems. During the exam, an online scientific calculator (nongraphing) will be available, although there is little emphasis on arithmetic calculations.

## **COLLEGE COMPOSITION (6 College Credits)**

This course will prepare you to pass the exam that contains multiple-choice questions and two essay assignments that will test your skills in analysis, argumentation and synthesis. It reviews materials to improve both your awareness of a variety of logical, structural, and grammatical relationships within

sentences and your ability to use authentic materials and perform rhetorical analysis. All of those skills are taught in most first-year college writing courses.

### **COLLEGE MATH** (6 College Credits)

It reviews the fundamentals taught in a college course for nonmathematics majors and majors in fields not requiring knowledge of advanced mathematics. It provides you with mathematics skills and knowledge on key concepts, including algebra and functions, counting and probability, data analysis and statistics, financial mathematics, geometry, logic and sets and numbers. During the exam, an online scientific calculator (non-graphing) will be available.

### **ENGLISH LITERATURE** (3 College Credits)

It reviews all of the substantive material that is usually taught in a British literature course at the college level. It reviews authors, works, periods, common literary terms, such as metaphor and personification, and basic literary forms, such as the sonnet and the ballad. It covers a wide variety of topics quickly, and you will learn a lot of new vocabulary, theories, and history of literature. You will go over 1) Literature Terminology 2) Poetry Terminology 3) Other Important Terms, 4) Literary Periods, 5) Literary Criticism, and 6) Writing the Essay. You will also review additional readings and practice test questions to prepare for the test.

### **FINANCIAL ACCOUNTING** (3 College Credits)

This course covers the fundamentals taught in a first-semester undergraduate financial accounting course. You will progressively go through the different stages of accounting principles, the exploration of significant financial statements used in accounting, including over 20 components vital to their implementation in business operations. Furthermore, you will discuss key components used in business transaction, and how to monitor them for best practices. You will conclude with an exploration of miscellaneous elements that are attributed to financial accounting and business longevity. This course will include rules, regulations, and formulas used across the world in business operations, as it pertains to Accounting.

### **FRENCH LANGUAGE** (6 College Credits for Level 1 and 9 College Credits for Level 2)

This course reviews the fundamentals taught in two to three semesters of French language at college. The exam incorporates into a single exam both Level 1 and Level 2 content. This course will review the fundamentals of French grammar, starting with the present tense to finish with more complex structures, like the conditional. We will also study the passé composé and the imparfait, the future tense, as well as the subjunctive and the imperative moods. Other grammar aspects we will study include adjectives and adverbs, as well as the most common categories of French pronouns (direct and indirect object, and relative pronouns).

The course also provides you with the necessary vocabulary to perform a variety of actions, such as asking and answering a wide range of questions, talking about yourself and your family, or discussing your daily life and immediate surroundings. At the end of each module, a section called “Mise en pratique” will allow you to practice with the grammar covered in each module. The exam is designed to measure knowledge and ability equivalent to that of students who have completed two to three semesters of college French language study.

## **GERMAN LANGUAGE** (6 College Credits for Level 1 and 9 College Credits for Level 2)

This course reviews the fundamentals taught in two to three semesters of German language at college. The exam incorporates into a single test both Level 1 and Level 2 content. It reviews the fundamentals of German grammar, German sentence structure to start, then the alphabet and basic pronunciation rules followed by verb conjugation rules. Present tense to start followed by German past tenses. As in simple past - der Imperfekt used in writing - as well as the narrative past tense das Perfekt, used in spoken German. We shall also study the four different cases, Nominativ, Akkusativ, Dativ und Genitiv which determine the correct adjective endings in German. The passive mode, das Passiv, used quite a bit in German, will be covered too as well as the Subjunctive, Konjunktiv and Imperative, the use of adverbs, as well as the most common categories of German pronouns (Personalpronomen and Relativpronomen, personal and relative pronouns).

This course will also provide you with the necessary vocabulary to be able to communicate adequately in the German language. You will be able to ask and answer a wide range of questions, talk about yourself and your family, your daily activities and describe your immediate surroundings. At the end of each module, a section called "Jetzt üben wir!".

## **HISTORY OF THE UNITED STATES I** (3 College Credits)

This course reviews all the substantive material that is usually taught in the first semester of the two-semester course in the United States history. It covers the period of United States history from early European colonization to the end of Reconstruction, with the majority of the questions on the period of 1790 through 1877. Emphasis is placed on the British colonies in the part covering the seventeenth and eighteenth centuries.

## **HISTORY OF THE UNITED STATES II** (3 College Credits)

This course reviews all the substantive material that is usually taught in the second semester of the two-semester course in the United States history. It covers the period of United States history from the end of the Civil War to the present, with the majority of the questions being on the twentieth century. It studies Reconstruction, the West, Industrialism, Urbanization, the Gilded Age, Progressivism, Imperialism, WWI, the 1920's, the Depression, the New Deal, World War II, the Cold War, the 1960's, the Triumph of Conservatism, and the Challenges of our New Century.

## **INTRODUCTION TO EDUCATIONAL PSYCHOLOGY** (3 College Credits)

This course reviews the fundamentals of Introduction to Educational Psychology subject that are usually covered throughout a one-semester undergraduate course at college. It covers four major areas: principles of learning and cognition, teaching methods and classroom management, child growth and development, and evaluation and assessment of learning. It covers many of the same topics you would expect in a general psychology course. But we will always be looking at the topics from the perspective of a teacher who is responsible for the education and development of young people between kindergarten and grade 12.

Note that the questions on the exam will continue to adhere to the terminology, criteria and

classifications referred to in the fourth edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV-TR)<sup>10</sup> until further notice.

### **HUMAN GROWTH AND DEVELOPMENT** (3 College Credits)

This course covers the fundamentals generally taught in a one-semester introductory course in developmental psychology or human development, including the infancy, childhood, adolescence, adulthood, and aging. It covers the fundamentals generally taught in a one-semester introductory course in developmental psychology or human development, including the infancy, childhood, adolescence, adulthood, and aging. It covers topics and issues that relate to the way humans grow and develop over their lifetime: how researchers study development; how different theories guide researchers' questions; how biology and genetics influence development; how perception, thinking, and language develop; how intelligence is measured and used; how the forces of family, culture, and society affect development; how people develop socially and emotionally; how people transition to different stages and roles in their lives; and what can go wrong in development.

The exam tests the understanding of the major theories and research related to the broad categories of physical development, cognitive development, and social development is required, as is the ability to apply this knowledge.

### **HUMANITIES** (3 College Credits)

This course reviews materials intended to acquire a general knowledge of literature, art, music and the other performing arts. It provides a broad coverage in Humanities, with questions on all periods from classical to contemporary, and in many different fields: poetry, prose, philosophy, art, architecture, music, dance, theater, and film.

### **INFORMATION SYSTEMS** (3 College Credits)

It covers the fundamentals taught in an introductory college-level business information systems course. It reviews knowledge, terminology, and basic concepts about information systems as well as the application of that knowledge. It reviews basic principles of information systems, including both vocabulary and concepts in hardware, software, database management, and telecommunications. This course is designed to help you pass the exam in information systems but it can also be a good start in developing your own skills as a IS manager.

### **INTRODUCTORY BUSINESS LAW** (3 College Credits)

This course covers all of the substantive material that is usually taught in an introductory one-semester college course on Business Law. It provides you with a core of basic knowledge about American law that will be useful to you whatever you choose to do in your life. The exam places a major emphasis on understanding the functions of contracts in American business law. It also includes questions on the history and sources of American law, legal systems and procedures, agency, employment and sales.

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<sup>10</sup> <https://onlinelibrary.wiley.com/doi/10.1002/9780470479216.corpsy0271>

## **INTRODUCTORY PSYCHOLOGY (3 College Credits)**

This course covers the fundamentals of the subject taught during one semester of a college-level psychology class. It covers basic facts, concepts and generally accepted principles in history, approaches, and methods of psychology; biological bases of behavior, sensation, and perception; states of consciousness; learning; cognition; motivation and emotion; personality; psychological disorders and treatment; social psychology; and statistics, tests, and measurements.

## **INTRODUCTORY SOCIOLOGY (3 College Credits)**

This course covers all of the substantive material that is usually taught in an introductory one-semester college course on Sociology. It covers the basic facts and concepts as well as general theoretical approaches used by sociologists on the topics of institutions, social patterns, social processes, social stratifications, and the sociological perspective.

## **NATURAL SCIENCES (6 College Credits)**

It covers the fundamentals taught in introductory courses surveying both biological and physical sciences at the freshman or sophomore level at college. Such courses generally satisfy distribution or general education requirements in science that usually are not required of nor taken by science majors. The course covers a wide variety of topics in this course. The teacher will draw your attention to some of the interesting history and real-world applications of the material at certain points. Many of the topics, such as evolution, genetics, chemistry, and physics have rich and storied histories. Mastering the topics presented in this course will allow you to transition to more sophisticated coursework in both biological and physical sciences.

## **PRECALCULUS (3 College Credits)**

This course, which covers the fundamentals taught in a first-semester calculus course, will provide you with an understanding of functions and their properties. Precalculus is a transitional course. There is a big difference between life before and after calculus, and the course prepares you as much as possible for this fascinating subject. You will study algebra and function theory in detail. A huge emphasis is also placed on trigonometry. This is because of the central role the trigonometric functions play in calculus, and their role in linking geometry and algebra.

Many of the questions of the exam will test your knowledge of specific properties of these functions: linear, quadratic, absolute value, square root, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric, and piecewise-defined. Questions on the exam will present these types of functions symbolically, graphically, verbally, or in tabular form. A solid understanding of these types of functions is at the core of all precalculus courses, and it is a prerequisite for enrolling in calculus and other college-level mathematics courses.

We will also spend time applying our mathematical theories to real world problems, through the study of mathematical modeling. Finally, the course reviews conic sections, a branch of geometry with ancient roots.

## **PRINCIPLES OF MACROECONOMICS (3 College Credits)**

This course covers the fundamentals of Macroeconomics that are usually covered throughout an introductory one-semester college course. The exam places a major emphasis on understanding principles of economics that apply to an economy as a whole, particularly the general price level, output and income, and interrelations among sectors of the economy. It also highlights the determinants of aggregate demand and aggregate supply, and on monetary and fiscal policy tools that can be used to achieve particular policy objectives. Within this context, you're expected to understand measurement concepts such as gross domestic product, consumption, investment, unemployment, inflation, inflationary gap and recessionary gap.

You are also expected to demonstrate knowledge of the institutional structure of the Federal Reserve Bank and the monetary policy tools it uses to stabilize economic fluctuations and promote long-term economic growth, as well as the tools of fiscal policy and their impacts on income, employment, price level, deficits, and interest rates. Basic understanding of foreign exchange markets, balance of payments, effects of currency, and appreciation and depreciation on a country's imports and exports are also expected.

## **PRINCIPLES OF MANAGEMENT (3 College Credits)**

It covers the essentials of management and organization and reviews all of the substantive material that is usually taught in an introductory course at college. It covers the basic principles of management, including both vocabulary and concepts in planning, organization, control, and leadership. The exam for management covers the field broadly so it is important to watch all the videos, perhaps several times, and to do the readings and review the test questions for each module. Passing the exam will not be easy but you have everything here you need to be successful. On the exam will be required to demonstrate knowledge of management functions and techniques, and ability to associate the meaning of specific terminology with important management ideas, processes, and techniques. You will also be required to apply knowledge, general concepts, and principles to specific problems. The course is designed to help you pass the exam in management but it can also be a good start in developing your own skills as a manager.

## **PRINCIPLES OF MARKETING (3 College Credits)**

This course covers all of the substantive material that is usually taught in a one-semester introductory course in marketing. Such a course is usually known as *Basic Marketing, Introduction to Marketing, Fundamentals of Marketing, Marketing or Marketing Principles*. In this course, we will review four separate modules. The first Module discusses the Role of Marketing in a Firm. It gives an introduction to what marketing is, what is marketing strategy and what tools a company has in order to implement these strategies. The second module discusses consumer-driven marketing. It introduces the concept of buyer behavior, the psychological factors and environmental factors that influence the decision making the process of a consumer, and the five stages of the decision making process. The module ends with STP – segmentation, targeting, and positioning. The third module discusses the marketing implementation and the marketing mix. It introduces each of the 4 Ps: product, price, place, and promotion. This is the main part of the course and the one you want to concentrate on the most. We will conclude with module four which discusses ethical issues that might emerge in marketing as well as non-profit marketing.

The exam is concerned with the role of marketing in society and within a firm, understanding consumer and organizational markets, marketing strategy planning, the marketing mix, marketing institutions, and other selected topics.

### **PRINCIPLES OF MICROECONOMICS** (3 College Credits)

This course covers the fundamentals of Microeconomics that are usually covered throughout an introductory one-semester college course. Questions on the exam require you to apply analytical techniques to hypothetical as well as real-world situations and to analyze and evaluate economic decisions. You are expected to demonstrate an understanding of how free markets work and allocate resources efficiently. You should understand how individual consumers make economic decisions to maximize utility, and how individual firms make decisions to maximize profits.

You are also expected to identify the characteristics of the different market structures and analyze the behavior of firms in terms of price and output decisions. In addition, you should be able to evaluate the outcome in each market structure with respect to economic efficiency, identify cases in which private markets fail to allocate resources efficiently, and explain how government intervention fixes or fails to fix the resource allocation problem. It is also important to understand the determination of wages and other input prices in factor markets, and analyze and evaluate the distribution of income.

### **SOCIAL SCIENCES & HISTORY** (6 College Credits)

This course covers a wide range of topics from the social sciences and history disciplines, although is based on no specific college course. Its content is drawn from introductory college courses that cover United States history, Western civilization, world history, economics, geography, and political science. It reviews the fundamentals in the social sciences and history areas. The course goes over: 1) World History and Western Civilization, 2) US History, 3) Economics, 4) Geography, and 5) Political Science.

### **SPANISH LANGUAGE** (6 College Credits for Level 1 and 9 College Credits for Level 2)

This Spanish Language course reviews materials typically learned during the first and second year of college. This course will help you to acquire the knowledge and skills required to comprehend written and spoken Spanish. The exam incorporates into a single exam both Level 1 and Level 2 content.

### **WESTERN CIVILIZATION I: ANCIENT NEAR EAST TO 1648** (3 College Credits)

This course reviews all the substantive material that is usually taught in the first semester in Western civilization. This course covers the civilizations of Ancient Greece, Rome, and the Near East; the Middle Ages; the Renaissance and Reformation; and early modern Europe. The lectures are built with elements that tie them to each other. They explore the changes in Western Civilization ranging from its origins in Asia and Africa through to the era of 1650.



## **WESTERN CIVILIZATION II: 1648 TO THE PRESENT** (3 College Credits)

This course reviews all the substantive material that is usually taught in the second semester in Western civilization. It covers European history from the mid-seventeenth century through the post-Second World War period, including political, economic, and cultural developments such as scientific thought, the Enlightenment, the French and Industrial Revolutions, and the First and Second World Wars. Western Civilization II is, in many ways, the story of the development of the world we live in today. The course covers massive changes in Western Civilization ranging from the Enlightenment and the Industrial Revolution to the emergence of Flappers and the invention of the Pill. In the end, however, this course is designed to be foundational.

## VIII. GENERAL ELECTIVE COURSES

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### **INTRODUCTION TO ART (1 Credit)**

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

### **INTRODUCTION TO COMPUTER SCIENCE (1 Credit)**

This full-year course is designed for students in grades 9–10, although any students across grades 9–12 may enroll. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can affect the world. Students have creative, hands-on learning opportunities to create computer programs, develop web pages, design mobile apps, write algorithms, and collaborate with peers while building strong foundational knowledge. This course provides a solid foundation for more advanced study as well as practical skills that students can use immediately.

### **ART HISTORY I (1 Credit)**

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth- and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

### **COMPUTER APPLICATIONS – OFFICE 2019/OFFICE 365 (1 Credit)**

This full-year course introduces students to the features and functionality of the most widely used productivity software in the world: Microsoft® Office®. Through video instruction, interactive skill demonstration, and numerous hands-on practice assignments, students learn to develop, edit, and share Office 2019 documents for both personal and professional use. By the end of this course, students will have developed basic proficiency in the most common tools and features of the Microsoft Office suite of applications: Word®, Excel®, PowerPoint®, and Outlook®.

Note: This course includes examples from both Office 2019 and Office 365®.

Required Materials: Students must have access to MS Office 2019 or Office 365.

## **CONTEMPORARY HEALTH (1 Credit)**

Available as either a semester or year-long course, this high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in-depth studies in order to create mentally and emotionally healthy relationships with peers and family, as well as nutrition, sleeping, and physical fitness plans. Students also examine and analyze harassment and bullying laws.

**This course takes covers issues of sex and gender identity, same-sex relationships, contraception, and other sensitive topics. For a more conservative approach to health education, the Healthy Living course is also available.**

## **DIGITAL LITERACY (0.5 Credit)**

This semester-long elective provides a foundation to understanding key applications, computing fundamentals, and online living. This course focuses on describing technology basics including finger placement on the keyboard and the differences between hardware and software. Students describe the functions of operating systems and their utilities, identify computer networks, how they work, and computer and internet safety. Students identify different communications industries and how to use email, Microsoft Word<sup>®</sup>, PowerPoint<sup>®</sup>, and Outlook<sup>®</sup>, describe how to create spreadsheets, enter data, create graphs, and use formulas and shortcuts in spreadsheets. Additionally, students will identify the functions of PowerPoint<sup>®</sup>, digital media, intellectual property law, workplace crimes, privacy concerns, digital citizenship, and how to stay safe on social media.

Note: Students must have access to MS Office or Office 365, including Access, Excel, Outlook, PowerPoint, and Word.

## **FOUNDATIONS OF PERSONAL WELLNESS (1 Credit)**

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness. Offered as a two-semester course designed for high school students, coursework uses pedagogical planning to ensure that students explore fitness and physical health and encourages students to learn about the nature of social interactions and how to plan a healthy lifestyle.

Note: This course contains content from both Healthy Living and Lifetime Fitness; to avoid duplication, students should take either those one-semester courses or this full-year course.

## **HEALTHY LIVING (1 Credit)**

Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this high school course provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. Available as either a semester or year-long course, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks.

## **HEALTH QUEST (0.5 Credit)**

This middle school Health course introduces students to the concepts of what good health is, why good health is important, and what students should do in order to achieve good health. By the end of this course, students will be able to demonstrate an awareness of health as it applies to their bodies, minds, and environment; identify the components of a healthy lifestyle; set reasonable wellness goals; and apply health concepts across multiple contexts.

## **KEYBOARDING AND APPLICATIONS (0.5 Credit)**

Keyboarding and Applications is a semester-long course that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. Students learn proper keyboarding techniques. Once students have been introduced to keyboarding skills, lessons include daily practice of those skills. Students gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, students apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.

Required Materials:

- Word-processing software (e.g., MS Word)
- Presentation software (e.g., MS PowerPoint)

## **LIFETIME FITNESS (1 Credit)**

Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. Available as either a semester or year-long course, Lifetime Fitness encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.

## **ONLINE LEARNING AND DIGITAL CITIZENSHIP (0.5 Credit)**

This one-semester course provides students with a comprehensive introduction to online learning, including how to work independently, stay safe, and develop effective study habits in virtual learning environments. Featuring direct-instruction videos, interactive tasks, authentic projects, and rigorous assessments, the course prepares students for high school by providing in-depth instruction and practice in important study skills such as time management, effective note-taking, test preparation, and collaborating effectively online. By the end of the course, students will understand what it takes to be successful online learners and responsible digital citizens.

## **PERSONAL FINANCE (0.5 Credit)**

This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become

more confident in setting and researching financial goals as they develop the core skills needed to be successful. In this one-semester course, students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

### **STRATEGIES FOR ACADEMIC SUCCESS (0.5 Credit)**

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success. Providing engaging lessons that will help students identify what works best for them individually, this one-semester course covers important study skills, such as strategies for taking high-quality notes, memorization techniques, test-taking strategies, benefits of visual aids, and reading techniques.

### **3D MODELING 1A\* (0.5 Credit)**

Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, and in this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods. By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas.

### **3D MODELING 1B\* (0.5 Credit)**

Many buildings that are rendered in the real world first are constructed in a digital 3D world that depicts the aesthetics, environment, and conditions of what will come to be. In this course, you will be introduced to the tools and techniques needed to create works of 3D art. You will bring your objects to life with color, textures, lighting, and shadow all while simulating the movement of world around.

### **ADVANCED NETWORKING 1A\* (0.5 Credit)**

In this course, you will learn about a variety of different networks, their layers, and the different needs they address. You'll uncover best practices for setting up secure remote access connections, techniques to troubleshoot and think strategically, and correct documentation. Lastly, you'll learn tips to successfully communicate in the workplace.

### **ADVERTISING AND SALES PROMOTION\* (0.5 Credit)**

What comes to mind when you think of marketing? Does a favorite commercial jingle begin to play in your head? Or do you recall the irritating phone call from a company trying to sell you software you already have? No matter what your feelings are about it, there's no denying the sheer magnitude of the marketing industry. Every year companies spend \$200 billion promoting their products and services—and that's in the United States alone! Experts estimate that by the time you turn 65, you will have seen nearly 2 million TV commercials, not to mention radio ads, billboards, and online advertisements. You're familiar with what it's like on the receiving end of a company's marketing efforts, but what's it like on the other side? In this Advertising and Sales Promotions course, you'll learn how marketing campaigns, ads, and commercials are conceived and brought to life. You'll meet some of the creative men and women who produce those memorable ads and commercials. And

you'll discover career opportunities in the field to help you decide if a job in this exciting, fast-paced industry is in your future!

### **AFRICAN-AMERICAN HISTORY\*** (0.5 Credit)

How have African Americans shaped the culture of the United States throughout history? Tracing the accomplishments and obstacles of African Americans from the slave trade through emancipation, and to the modern African diaspora, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. In African American History, you'll come face to face with individuals who changed the course of history and learn more about slavery, the Civil Rights Movement, and the many contributions of the African American community to American life. You will also explore how the history of African Americans influences current events today.

### **AGRISCIENCE 1: INTRODUCTION TO AGRISCIENCE\*** (0.5 Credit)

In this course, students will learn more about the development and maintenance of agriculture, animal systems, natural resources, and other food sources. Students will also examine the relationship between agriculture and natural resources and the environment, health, politics, and world trade.

### **AGRISCIENCE 2A\* AND 2B\*: SUSTAINING HUMAN LIFE\*** (0.5 Credit)

Science and technology are revolutionizing many areas of our lives, and agriculture is no exception! From aquaculture to genetic engineering, agriscience is finding new ways to better produce and manage plants, from the field to the garden. In Agriscience II, you'll build on your existing knowledge of plant science and delve deeper into important areas such as soil science and weed management. You'll learn more about horticulture and plant science trends from creating hybrid species to growing edible plants in unlikely places.

*\* Students will need to be enrolled separately in each semester course*

### **ALLIED HEALTH ASSISTANT 1A\*** (0.5 Credit)

Explore your options by learning how to properly care for your patients and provide for the administrative needs of healthcare. Learn to prepare exam rooms, schedule, bill, and document all while solidifying your professional skills in communication, privacy, safety, and ethics.

### **ALLIED HEALTH ASSISTANT 1B\*** (0.5 Credit)

Allied health encompasses a broad range of different health care professionals who provide a range of skills in the fields of dentistry, pharmaceutical, medicine, nursing, nutrition, rehabilitation, and more. This course is the second course of the Allied Health concentrator sequence and gives you the needed skills to pursue any of these careers in allied health.

### **AMERICAN SIGN LANGUAGE 1A\* AND 1B\*** (0.5 Credit)

This beginning of this full-year course will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture: social beliefs,

traditions, history, values and communities influenced by deafness. The second semester will introduce you to more of this language and its grammatical structures.

*\* Students will need to be enrolled separately in each semester course.*

### **AMERICAN SIGN LANGUAGE 2A\* AND 2B\*** (0.5 Credit)

In this course, students will build on the skills they learned in American Sign Language 1 and explore the long and rich history of Deaf culture and language. They will expand their knowledge of the language as well as their understanding of the world in which it is frequently used. Students will grow their sign vocabulary and improve their ability to interact using facial expressions and body language. They will also learn current trends in technology within ASL as well as potential education and career opportunities.

*\* Students will need to be enrolled separately in each semester course.*

### **AMERICAN SIGN LANGUAGE 3A\* AND 3B\*** (0.5 Credit)

As students dive into more advanced ASL signing, including unique grammar features, advanced classifiers and locatives, they'll learn, compose, and present new-found vocabulary and narratives by immersion in Deaf culture and community. Students will learn opinions, slang, and idioms, to using technology and media that offers authentic Deaf perspectives. They will explore how travel, cultural differences, and geography affect sign language, and gain a better understanding of Deaf culture by learning important events and examining topics such as education, science, and literature. Additionally, through discussing Deaf culture and experiences, students will advance their signing skills by developing verb tenses, grammar, and syntax in real conversation activities and through opportunities to debate real issues. Students will explore the next steps in education and career opportunities for their new intermediate ASL skills.

*\* Students will need to be enrolled separately in each semester course.*

### **ANIMATION 1A\* AND 1B\*** (0.5 Credit)

Do you wonder what it would be like to create the next blockbuster animated movie or do you want to make the next big video game? Do you have an eye for drawing, technology, and timing? If so, Animation is the course for you! You will learn how to use animation tools to conceptualize and bring your creations to life. You'll learn the ins and outs of creating 2D and 3D animation, from start to finish. You'll even begin working on our own design portfolio and get hands on experience with creating your own animation projects. Learning about Animation could lead to a thriving career in the growing world of technology and animation.

*\* Students will need to be enrolled separately in each semester course.*

### **ANTHROPOLOGY 1: UNCOVERING HUMAN MYSTERIES\*** (0.5 Credit)

The aim of anthropology is to use a broad approach to gain an understanding of our past, present and future, and in addition address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It looks at how we have evolved from a biologically and culturally weak species to one that has the ability to

cause catastrophic change. Exciting online video journeys to different areas of the anthropological world are just one of the powerful learning tools utilized in this course.

### **ANTHROPOLOGY 2: MORE HUMAN MYSTERIES UNCOVERED\*** (0.5 Credit)

Anthropology has helped us better understand cultures around the world and through different time period. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and gave meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

### **ARCHAEOLOGY: DETECTIVES OF THE PAST\*** (0.5 Credit)

George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” The field of archaeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on this techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

### **ASTRONOMY 1A\* AND 1B\*: EXPLORING THE UNIVERSE\*** (0.5 Credit)

Why do stars twinkle? Is it possible to fall into a black hole? Will the sun ever stop shining? Since the first glimpse of the night sky, humans have been fascinated with the stars, planets, and universe that surrounds us. This course will introduce students to the study of astronomy, including its history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Additional topics include the solar system, the Milky Way and other galaxies, and the sun and stars. Using online tools, students will examine the life cycle of stars, the properties of planets, and the exploration of space.

*\* Students will need to be enrolled separately in each semester course.*

### **BIOTECHNICIAN 1A\*** (0.5 Credit)

There are so many mysteries that need unraveling in the world today that can help us grow better crops, cure diseases, combat pollution, solve crimes, and so much more. If you love the idea of solving problems to make the world a better place, a career as a biotechnician may be for you. In this course, you'll learn the basics of lab safety, how to perform tasks crucial to experimentation, biological basics, and about the exciting careers available in the field of biotechnology.

### **BIOTECHNICIAN 1B\*** (0.5 Credit)

In this course, you'll explore essential topics that structure the reality of biotechnology such as the role genetics and epigenetics play in influencing human traits, the creation and purpose of recombinant DNA, and how the human immune response can be tweaked to fight disease. You'll also explore GMO's and biofuels and how an idea becomes reality in the biotech industry.



### **BIOTECHNICIAN 2A\*** (0.5 Credit)

In this course, you will dive even deeper into the role of a biological technician to understand how genetic engineering works. You will explore managing a biotech laboratory, Microscopy and Spectroscopy, mammalian cell culture, what the day-to-day duties of a biotechnician involve, and more. You will also explore experimental design as it relates to genetic engineering to plan your own experiments.

### **BIOTECHNICIAN 2B\*** (0.5 Credit)

In this course, you will build on the basics and learn how a career as a biotechnician could change the world! You will explore genetics- diseases, therapies, and testing, AI and precision medicine, CRISPR and agricultural sciences, and much more. You will also explore job opportunities in the field of biotechnology and tips for planning a career.

### **BIOTECHNOLOGY 1A: INTRODUCTION\*** (0.5 Credit)

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

### **BIOTECHNOLOGY 1B: UNLOCKING NATURE'S SECRETS\*** (0.5 Credit)

Learn how and why biotechnology is so important to the agricultural, pharmaceutical, and genetic fields of study. You'll learn about mapping the human genome, the role of antibiotics, how medicine is created to combat diseases, and the future of the biotechnology field.

### **BUSINESS INFORMATION MANAGEMENT 1A\*** (0.5 Credit)

Wherever your path may lead you, having the essential knowledge of business types, requirements to start a business, understanding of finances, business law, marketing, sales, customer service, and more, will ensure you're on the path to success.

### **BUSINESS INFORMATION MANAGEMENT 1B\*** (0.5 Credit)

Learn about professional conduct, teamwork, and managerial skills, while also examining careers in business technology. The basics of word processing, spreadsheets, databases, and presentation software are also explored so that you become better prepared for jobs in this field.

### **CAREERS IN CRIMINAL JUSTICE 1A\* AND 1B\*** (0.5 Credit)

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.

*\* Students will need to be enrolled separately in each semester course.*

### **COMPUTER MAINTENANCE 1A\*** (0.5 Credit)

In this course, you'll learn how computers are set up starting with the software and operating systems and what to do when hardware and software issues are encountered. You'll learn different types of data communication, various power supply units, essential components like motherboards and memory and much more!

### **COMPUTER MAINTENANCE 1B\*** (0.5 Credit)

In this course, you'll dig into computer networks and their extensive capabilities. You'll explore data exposure and how to mitigate threats, discuss the fundamentals of network design and layout, learn how cloud-based services store data, discover the differences between wired and wireless networks, and dream of possibilities as you explore fun network options like smart home systems.

### **CONCEPTS OF ENGINEERING AND TECHNOLOGY\*** (0.5 Credit)

Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you'll need to succeed in these fields. You'll explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field.

### **COSMETOLOGY 1: CUTTING EDGE STYLES\*** (0.5 Credit)

Interested in a career in cosmetology? This course provides an introduction to the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses.

### **COSMETOLOGY 2: THE BUSINESS OF SKIN AND NAIL CARE\*** (0.5 Credit)

Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In this course, students will experience what the day-to-day life of a cosmetologist is like. They will discover that cosmetology is much more than knowing and applying techniques. Additionally, students will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques.

### **COSMETOLOGY 3A: INTRODUCTION TO HAIR SKILLS\*** (0.5 Credit)

Cosmetology is a specialized field with a high skill set. Students will examine the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. Students will also learn about hair types, face shapes, and color theory. To prepare students for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.

### **COSMETOLOGY 3B: WAVING, COLORING, AND ADVANCING HAIR SKILLS\*** (0.5 Credit)

Let's delve into the realm of hairstyling and cutting techniques! In this course students will explore a variety of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Discover manual curling and the use of chemicals to curl and straighten hair, as well as safety when working with chemicals. By the end of the course students will be well versed in a plethora of hair skills and techniques.

### **CREATIVE WRITING\*** (0.5 Credit)

For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.

### **CRIMINOLOGY: INSIDE THE CRIMINAL MIND\*** (0.5 Credit)

In today's world, crime and deviant behavior rank at or near the top of many people's concerns. In this course, we will study the field of Criminology – the study of crime. We will look at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their misdeeds. Why do some individuals commit crimes why others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors from arrest to punishment... help shape the criminal case process?

### **CULINARY ARTS 1A\* AND 1B\*** (0.5 Credit)

Food is all around us—we are dependent on it and we enjoy it. This course will give you the basic fundamentals to start working in the kitchen and gaining experience as you explore and establish your talents for cooking and preparing food in a creative and safe way. You will learn safety measures as well as enhance your knowledge of various types of foods and spices. If you enjoy hands-on learning and want to deepen your knowledge about culinary arts, this is a great course to start.

*\* Students will need to be enrolled separately in each semester course.*

### **CULINARY ARTS 2: BAKING, PASTRY, AND MORE!\*** (0.5 Credit)

Whether students aspire to be a world-class chef or just want to learn the skills needed to create their own dishes, they'll build a strong foundation and grow their knowledge of this exciting industry. Students will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. They will enhance their understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company.

## **CYBERSECURITY 1A\* AND 1B\*** (0.5 Credit)

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept “secret”? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You’ll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You’ll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

*\* Students will need to be enrolled separately in each semester course.*

## **DENTAL ASSISTANT 1A\*** (0.5 Credit)

Learn how becoming a Dental Assistant can offer you a rewarding career as well as job security. Start with learning the different roles within a dentist’s office, organizations to get involved with, and basic head, neck, and dental anatomy. Learn what it takes to embark on a career sure to provide personal and professional fulfillment.

## **DENTAL ASSISTANT 1B\*** (0.5 Credit)

In Dental Assistant 1b: Principles of Clinical Dentistry, you’ll learn about the daily duties of a dental assistant including the structure of an office visit, managing patient records, and administrative aspects of the role. You’ll also explore how patient health can impact oral health, how to prepare for and perform a patient visit, and how to succeed in a team environment.

## **DENTAL ASSISTANT 2A\*** (0.5 Credit)

In this course, you will continue to explore the field of dentistry through a work-based learning experience while studying how to maintain a safe environment for patients. You’ll cover prevention, recognition, and management of common dental office emergencies and how to manage patient pain and medications. You’ll learn about microbiology and the modes of disease related to oral care as well as explore specialties in the dental field important responsibilities and guidelines for providers.

## **DENTAL ASSISTANT 2B\*** (0.5 Credit)

In this course, you’ll explore clinical subjects: maintaining safe environments for patients, managing pain and medications, using and handling common materials in a dental setting, the basics of radiology, dental specialties and more! You’ll also encounter activities designed to get you out of the classroom and into the dental world investigating and volunteering in professional settings. Lastly, you’ll learn about professional organizations, gaining employment, and the certification process.

## **DIGITAL MEDIA WEB DESIGN 2A\*** (0.5 Credit)

Digital media may be a webpage, video, image, podcast, form, or more. Explore how you can develop webpages that embed different media and interactivity for excellent user experience through programming languages such as HTML and CSS. Examine trends and opportunities, education requirements, student organizations, and industry certification options.

## **DIGITAL MEDIA WEB DESIGN 2B\*** (0.5 Credit)

Before you can design a great eCommerce store, it's essential to understand how one works. Learn the trends, design principles, and security strategies. Explore what it means to adhere to ethical and legal requirements and complying with industry standards and accessibility. It's time to start designing the next best eCommerce site!

## **DIGITAL PHOTOGRAPHY 1A\* AND 1B\*: CREATING IMAGES WITH IMPACT!** (0.5 Credit)

Have you ever wondered how photographers take such great pictures? Have you tried to take photographs and wondered why they didn't seem to capture that moment that you saw with your eyes? The Digital Photography I course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs.

*\* Students will need to be enrolled separately in each semester course.*

## **DIGITAL PHOTOGRAPHY 2: DISCOVERING YOUR CREATIVE POTENTIAL\*** (0.5 Credit)

In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye catching photograph.

## **EARLY CHILDHOOD EDUCATION 1A\* AND 1B\*** (0.5 Credit)

Want to have an impact on the most important years of human development? Students will learn how to create fun and educational environments for children, how to keep the environment safe for children, and how to encourage the health and well-being of infants, toddlers, and school-aged children.

*\* Students will need to be enrolled separately in each semester course.*

## **EKG TECHNICIAN 1A\*** (0.5 Credit)

Our hearts are essential to our survival. And EKG technicians play an important role in administering tests and evaluating data given by the electrocardiogram (EKG) to treat patients effectively. Explore the cardiovascular system and its anatomy, and its role in our body, health, and lives.

### **EKG TECHNICIAN 1B\*** (0.5 Credit)

This course will prepare you to interpret different EKG waves, how to spot wave abnormalities, how to differentiate between different disorders, and how to treat those disorders.

### **EMERGENCY MEDICAL RESPONDER 1A\*** (0.5 Credit)

Get a realistic look into the day-to-day, fast-paced life of an EMR and how their roles and responsibilities fit into the larger picture with Emergency Medical Services. Discover how to conduct a patient assessment when you arrive on a scene and assess and treat various medical emergencies.

### **EMERGENCY MEDICAL RESPONDER 1B\*** (0.5 Credit)

EMRs are first responders who are prepared for action! Explore how to care for diverse patients and in unique and even difficult situations. From advanced trauma to childbirth, from mass casualties to special conditions. EMRs are trained to care for, treat, move, and transport patients in various situations and play a vital role as part of an EMS response team.

### **FASHION DESIGN\*** (0.5 Credit)

Are your students fashion trend followers? Are they drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do they dream of designing their own line of clothing or accessories? Students will learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Students will start creating today!

### **FORENSIC SCIENCE 1: SECRETS OF THE DEAD\*** (0.5 Credit)

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed. The Science of Crime or Forensic Science 1 and 2.

**Students should take either Forensics A and B: The Science of Crime or Forensic Science 1 and 2. They should not take both, as there is significant overlap in content.**

### **FORENSIC SCIENCE 2: MORE SECRETS OF THE DEAD\*** (0.5 Credit)

Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

*Students should take either Forensics A and B: The Science of Crime or Forensic Science 1 and 2. They should not take both, as there is significant overlap in content.*

### **FORESTRY AND NATURAL RESOURCES\* (0.5 Credit)**

Forests and other natural resources play an important role in our world, from providing lumber and paper products to providing habitat for birds and animals. In the Introduction to Forestry and Natural Resources course, you'll learn more about forest ecology, management, and conservation. You'll explore topics such as environmental policy, land use, water resources, and wildlife management. Finally, you'll learn more about forestry related careers and important issues facing forestry professionals today.

### **FOUNDATIONS OF GAME DESIGN 1A: INTRODUCTION\* (0.5 Credit)**

Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game!

### **FOUNDATIONS OF GAME DESIGN 1B: STORYTELLING, MECHANICS, AND PRODUCTION\* (0.5 Credit)**

Now that you have the basics of game design down, let's use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. The content of this course also applies to certification exams.

### **GAME DESIGN 2A\* (0.5 Credit)**

Beginning with conceptualization and the design process, you'll develop your game's story elements, narrative, plot, characters, and assets. Using game design software, you'll bring your game to life by applying lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game. Build a world players can get immersed in.

### **GAME DESIGN 2B\* (0.5 Credit)**

In Game Design 2b, you'll take your runner game to new heights and enter the land of fire and ice using the cool tools that Unity has to offer! Get ready to build atmospheric landscapes, mountain runs, stair builds, and implement obstacles to keep your relic safe! Then, your real-world game begins: test and evaluate your game and prepare for a market launch!

### **GOTHIC LITERATURE: MONSTER STORIES\* (0.5 Credit)**

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

### **GREAT MINDS IN SCIENCE: IDEAS FOR A NEW GENERATION\*** (0.5 Credit)

Is there life on other planets? What extremes can the human body endure? Can we solve the problem of global warming? Today, scientists, explorers, and writers are working to answer all of these questions. Like Edison, Einstein, Curie, and Newton, the scientists of today are asking questions and working on problems that may revolutionize our lives and world. This course focuses on 10 of today's greatest scientific minds. Each unit takes an in-depth look at one of these individuals, and shows how their ideas may help to shape tomorrow's world.

### **HISTORY OF THE HOLOCAUST\*** (0.5 Credit)

Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

### **HOSPITALITY & TOURISM 1: TRAVELING THE GLOBE\*** (0.5 Credit)

With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Students will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field.

### **HOSPITALITY AND TOURISM 2A\* AND 2B\*: HOTEL AND RESTAURANT MANAGEMENT** (0.5 Credit)

In this course, students will learn about what makes the hotel and restaurant industries unique. They will learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Students will evaluate the environment for these businesses by examining their customers and their competition. As well, they will discover trends and technological advances that makes each industry exciting and innovative. Students will explore a variety of interesting job options from Front Desk and Concierge services to Front-of-House and Food Service.

*\* Students will need to be enrolled separately in each semester course.*

### **HOTEL MANAGEMENT 1A\*** (0.5 Credit)

In this course, you will learn about the business of hospitality and the different types of hotel ownership and programs. You'll explore the essential functions of a hotel from bookings, management systems, front and back of house operations, technologies, and more. You'll also discover what it takes to keep guests happy and run a sustainable program.



### **HOTEL MANAGEMENT 1B\*** (0.5 Credit)

In this course, you'll dig deeper into hotel organization from structure to departments and staffing needs. You'll explore management and leadership including types of managers; management styles, roles, and responsibilities; and technical and communication management skills. You'll also learn more about the big picture of the travel and tourism industry, how to handle emergencies, growth and sustainability, laws and ethics, careers in the industry, and more!

### **HUMAN RESOURCE MANAGEMENT 1A\*** (0.5 Credit)

In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more!

### **HUMAN RESOURCE MANAGEMENT 1B\*** (0.5 Credit)

In this course, you'll step into the shoes of an HRM professional and explore key duties such as onboarding, training and development, retaining and terminating employees, safety and risk managements, company communication, and more! You'll also learn about different career opportunities in the field of HRM, develop collateral based on real-world scenarios involving HRM tasks and responsibilities, and the role of HRM in a global environment.

### **INTERIOR DESIGN\*** (0.5 Credit)

Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business.

By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field.

### **INTERNATIONAL BUSINESS: GLOBAL COMMERCE IN THE 21ST CENTURY\*** (0.5 Credit)

From geography to culture Global Business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

## **JOURNALISM 1A\* AND 1B\*: INVESTIGATING THE TRUTH (0.5 Credit)**

If you're the first to know what's going on in your school or town, or the first to post on Facebook or Instagram about your favorite TV shows or favorite celebrities, then you're just the person that every online, in-print, and broadcast news outlet is looking for. And Journalism: Investigating the Truth is the perfect course for you! In this course, you'll learn how to write a lead that grabs your readers, how to write engaging news stories and features, and how to interview sources. You'll also learn about the history of journalism, how to succeed in the world of social media news, and how to turn your writing, photography, and people skills into an exciting and rewarding career.

*\* Students will need to be enrolled separately in each semester course.*

## **LAW & ORDER: INTRODUCTION TO LEGAL STUDIES\* (0.5 Credit)**

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our communities and of our nation.

## **LEGAL ADMIN SPECIALIST 1A\* (0.5 Credit)**

A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.

## **LEGAL ADMIN SPECIALIST 1B\* (0.5 Credit)**

Wherever your legal admin career takes you, understanding the responsibilities of a law office requires strict attention to detail, communication skills, office competence, and legal savvy. What does a legal admin need to know and what duties do they perform? How do confidentiality, cybersecurity, and client relations look different in a legal office? Learn the answers to these questions and so much more for this exciting career with endless opportunities to prove your value, learn, and grow.

## **THE LORD OF THE RINGS: AN EXPLORATION OF THE FILMS & THEIR LITERARY INFLUENCES\* (0.5 Credit)**

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

### **MANAGEMENT 1A\*** (0.5 Credit)

Explore foundational management concepts such as leadership, managing teams, entrepreneurship, global business, finance, and technology and innovation. Engage in a capstone that pulls all of the concepts you've learned together, allowing you to see how management ideas can be applied to a business case study.

### **MANAGEMENT 1B\*** (0.5 Credit)

Explore the ins and outs of this career, the responsibilities businesses have towards customers, and hiring the right employees. Gain an understanding of human resources (HR) to ensure job satisfaction and take action to ensure that all rules and laws are being followed. Learn how to become an effective manager in any field.

### **MANUFACTURING: PRODUCT DESIGN & INNOVATION\*** (0.5 Credit)

Think about the last time you visited your favorite store. Have you ever wondered how the products you buy make it to the store shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In this course, you'll learn about the types of manufacturing systems and processes used to create the products we buy every day. You'll also be introduced to the various career opportunities in the manufacturing industry including those for engineers, technicians, and supervisors. As a culminating project, you'll plan your own manufacturing process for a new product or invention! If you thought manufacturing was little more than mundane assembly lines, this course will show you just how exciting and fruitful the industry can be.

### **MARINE SCIENCE 1A\* AND 1B\*: SECRETS OF THE DEEP BLUE** (0.5 Credit)

Have you wondered about the secrets of the deep and how the creatures below the ocean's surface live and thrive? Understand more about the aquatic cycles, structures, and processes that generate and sustain life in the sea.

### **MARKETING 2A\*** (0.5 Credit)

Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. Discover how business and marketing works around the world. You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more.

### **MARKETING 2B\*** (0.5 Credit)

This course explores the secrets to sales. You'll learn expectations, best practices, sales planning, building a clientele that becomes long-term buyers, and how to stay motivated to sell, sell, sell! If sales management is your goal, you'll learn about management styles, how to find, hire, train, motivate, and compensate your team.

### **MARKETING FOUNDATIONS 1A\*** (0.5 Credit)

Learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Examine how to identify target markets, perform market research,

and develop successful marketing strategies. Discover the legal and ethical considerations of business and marketing, along with the impact of government on business.

### **MARKETING FOUNDATIONS 1B\*** (0.5 Credit)

Become a marketing mix pro by studying understanding branding, advertising, promotion strategies, and more, through real-world applications and practices. And explore the secrets of advertising and promotion. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!

### **MEDICAL ASSISTANT 1A\*** (0.5 Credit)

In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and explore office roles while building a professional portfolio.

### **MEDICAL ASSISTANT 1B\*** (0.5 Credit)

In this course, you'll explore patient care and procedures, testing and care coordination, pharmacology and safety, and reimbursement and the law. You'll also narrow your areas of interest so you can better determine what type of medical assisting may be best for you.

### **MEDICAL DIAGNOSTIC TECHNOLOGY 1B\*** (0.5 Credit)

Learn about different diagnostic technology, procedures, essential body systems, and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness.

### **MEDICAL LAB ASSISTING 1A\*** (0.5 Credit)

In this course, you will learn what it takes to become a skilled medical lab assistant including understanding medical ethics, communicating with patients, performing blood draws and managing specimens, lab safety, and potential career paths!

### **MEDICAL LAB ASSISTING 1B\*** (0.5 Credit)

In this course, you will learn more about patient care and procedures, testing and care coordination, pharmacology and safety, reimbursement, and the law. You will also narrow your own areas of interest, research organizations to shadow, and ultimately prepare for certification.

### **MEDICAL OFFICE ADMINISTRATION 1A\*** (0.5 Credit)

In this course, you will build your knowledge of medical terminology, medical office processes, the technology that keeps an office humming, and the laws that keep it operating ethically. You'll also explore different office roles all while building the beginnings of a portfolio.

### **MEDICAL OFFICE ADMINISTRATION 1B\*** (0.5 Credit)

In this course, you will complete a deeper dive about the variety of roles available in the medical office along with the skills needed to not only run the front of the office but to excel in the position

as well. Finally, you'll focus on you and how to apply all that you've learned to get your foot in the door to begin a career in medical office administration.

### **MILITARY CAREERS\*** (0.5 Credit)

You've probably seen an old movie about a hotshot naval aviator, or perhaps a more recent film about the daring actions of Special Forces operatives. But do you really know what careers the military can offer you? Introduction to Military Careers will provide the answers. The military

is far more diverse and offers many more career opportunities and tracks than most people imagine. In Introduction to Military Careers, you'll learn not only about the four branches of the military (and the Coast Guard) but also about the types of jobs you might pursue in each branch. From aviation to medicine, law enforcement to dentistry, the military can be an outstanding place to pursue your dreams.

### **MUSIC APPRECIATION: THE ENJOYMENT OF LISTENING\*** (0.5 Credit)

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying.

### **MYTHOLOGY & FOLKLORE: LEGENDARY TALES\*** (0.5 Credit)

Mighty heroes. Angry gods and goddesses. Cunning animals. Since the first people gathered around fires, mythology and folklore has been used as a way to make sense of humankind and our world. Beginning with an overview of mythology and different kinds of folklore, students will journey with ancient heroes as they slay dragons and outwit gods, follow fearless warrior women into battle, and watch as clever monsters outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how these are still used to shape society today.

### **NATIONAL SECURITY\*** (0.5 Credit)

In this course, you will learn the critical elements of this very important career, such as evaluating satellite information, analyzing training procedures, assessing military engagement, and preparing intelligence reports. In addition, you will gain a better understanding of appropriate responses to security threats and how best to coordinate information with other agencies.

### **NETWORK SECURITY FUNDAMENTALS 1A\*** (0.5 Credit)

Learn what information security is, hackers, viruses, spyware, network systems, identifying potential vulnerabilities, protecting against attacks, and creating a disaster and response plan if breaches do occur.

### **NETWORK SECURITY FUNDAMENTALS 1B\*** (0.5 Credit)

Explore cyber forensics, encryption, cryptography and cryptology, user and password management to mitigate large data breaches, and other threats, vulnerabilities, and security issues. Discover what it takes to enter this high-demand career field.

### **NUTRITION AND WELLNESS\*** (0.5 Credit)

This course takes students through a comprehensive study of nutritional principles and guidelines. Students learn about worldwide views of nutrition, essential nutrient requirements, physiological processes, food labeling, weight management, healthy food choices, fitness, diet-related diseases and disorders, food handling, healthy cooking, nutrition for different populations, and more. Students gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle.

### **OFFICE ADMINISTRATION 1A\*** (0.5 Credit)

Explore what it means to have effective verbal and written communication, speaking, and listening skills to work with diverse people and teams. Then dive into learning how to leverage various technology and software businesses use to stay connected and productive.

### **OFFICE ADMINISTRATION 1B\*** (0.5 Credit)

You will explore the responsibilities of an administrative professional to understand what a typical workday looks like and even what goes into searching for an administrative professional role: searching, applying, and (the most exciting part!) securing.

### **OPERATIONAL CYBERSECURITY 1A\*** (0.5 Credit)

In this course, you will assume your role as Chief Information Security Officer (CICO) responsible for a data network's design, maintenance, and end-user training. You will explore essentials of keeping networks safe and secure through the use of cryptology, keys, and certificates before moving into the important practice of risk assessment. In the end, your attention will shift to mitigating and managing identified risks and working with key stakeholders to improve the organization's security posture and disaster response.

### **OPERATIONAL CYBERSECURITY 1B\*** (0.5 Credit)

In this course, you will dive into data security in the workplace and will learn ways to mitigate cyber threats that lurk in dark corners. You will step into the familiar shoes of CISO, this time at a startup company, making decisions about access and authentication protocols, security planning, and expanding the business in a safe way. Lastly, you will explore real-world security breaches, how they were solved, and step-by-step instructions to setup robust security policies.

### **PEER COUNSELING\*** (0.5 Credit)

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

### **PERSONAL PSYCHOLOGY 1\*** (0.5 Credit)

In this course, you'll explore the broad scope of psychology from biology's impact on our psychological makeup to society's impact on who we become. You'll look closely at the changing and sometimes conflicting thoughts of researchers and scientists and how the field of psychology has changed. You'll also explore clinical psychology and how people find treatment.

### **PERSONAL PSYCHOLOGY 2\*** (0.5 Credit)

Why do you sometimes remember complex things but forget all of a sudden where you left your shoes? Why is your personality similar or different from your siblings? Why do some things motivate you more than others? Discover how you learn and remember, the impact of stress on your emotions and mental health, and what influences your personality and emotions.

### **PHILOSOPHY: THE BIG PICTURE\*** (0.5 Credit)

This course will take you on an exciting adventure that covers more than 2,500 years of history! Along the way, you'll run into some very strange characters. For example, you'll read about a man who hung out on street corners, barefoot and dirty, pestering everyone he met with questions. You'll learn about another eccentric who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the most brilliant and influential thinkers of all time. As you learn about these great thinkers, you'll come to see how and where many of the most fundamental ideas of Western Civilization originated. You'll also get a chance to ask yourself some of the same questions these great thinkers pondered. By the time you've "closed the book" on this course, you will better understand yourself and the world around you...from atoms to outer space...and everything in between.

### **PRINCIPLES OF PUBLIC SERVICE: TO SERVE AND PROTECT\*** (0.5 Credit)

Have you ever wondered who decides where to put roads? Or makes sure that someone answers the phone when you call 911? Or determines that a new drug is safe for the public? These tasks and many more are part of public service, a field that focuses on building healthy societies. Public service includes many different types of careers, but they all have in common the goal of working for others. This course will explore some of the most common career paths in public service. Working for the public also comes with a very specific set of expectations since protecting society is such an important mission. So if you want to work for the greater good, there is probably a public service career for you!

### **PROFESSIONAL SALES AND PROMOTION 1A\*** (0.5 Credit)

In this course, you'll learn about the bigger picture of the sales cycle. You'll examine the role of today's sales professional along with the skills and qualities needed for success, and you'll learn the ins and outs of the sales process and how it is driven by recognizing and responding to customer needs.

### **PROFESSIONAL SALES AND PROMOTION 1B\*** (0.5 Credit)

In this course, you'll explore the power of promotion and how to rise to the ranks of an elite sales and promotions rep. You'll dive into what it takes to be a stellar seller, how salespeople work

together in teams to meet goals, and how the savviest sales managers employ proven sales methods mixed with technology, tools, and psychological insights to build and operate an efficient sales team.

### **PUBLIC SPEAKING 1A\* AND 1B\*** (0.5 Credit)

The art of public speaking is one which underpins the very foundations of Western society. This course examines those foundations in both Aristotle and Cicero's views of rhetoric, and then traces those foundations into the modern world. Students will learn not just the theory, but also the practice of effective public speaking, including how to analyze the speeches of others, build a strong argument, and speak with confidence and flair. By the end of this course, students will know exactly what makes a truly successful speech and will be able to put that knowledge to practical use.

*\* Students will need to be enrolled separately in each semester course.*

### **REAL WORLD PARENTING\*** (0.5 Credit)

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are some of the topics covered in this course.

### **RENEWABLE TECHNOLOGIES 1A\* AND 1B\*** (0.5 Credit)

Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you'll learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high-capacity batteries and smart electrical grids. You'll also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

### **RESTAURANT MANAGEMENT\*** (0.5 Credit)

Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

### **SOCIAL MEDIA: OUR CONNECTED WORLD\*** (0.5 Credit)

Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning



how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you'll learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Required materials: Social Media accounts are required to use this course.

### **SOCIAL PROBLEMS 1: A WORLD IN CRISIS\*** (0.5 Credit)

Students will become aware of the challenges faced by social groups, as well as learn about the complex relationship among societies, governments and the individual. Each unit is focused on a particular area of concern, often within a global context. Possible solutions at both the structural level as well as that of the individual will be examined. Students will not only learn more about how social problems affect them personally, but begin to develop the skills necessary to help make a difference in their own lives and communities, not to mention globally.

### **SOCIAL PROBLEMS 2: CRISIS, CONFLICTS & CHALLENGES\*** (0.5 Credit)

The Social Problems 2 course continues to examine timely social issues affecting individuals and societies around the globe. Students learn about the overall structure of the social problem as well as how it impacts their lives. Each unit focuses on a particular social problem, including racial discrimination, drug abuse, the loss of community, and urban sprawl, and discusses possible solutions at both individual and structural levels. For each issue, students examine the connections in the global arena involving societies, governments and the individual.

### **SOCIOLOGY 1\*** (0.5 Credit)

Human beings are complex creatures, and when we interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Examine answers to these questions and many more as you explore culture, group behavior, and societal institutions and how they affect human behavior.

### **SOCIOLOGY 2\*** (0.5 Credit)

Have you ever looked at your social media feed and wondered why there is always so much fighting over social issues? Discover how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Investigate how our lives are shaped by entertainment, social institutions, and social change.

### **SPORTS AND ENTERTAINMENT MARKETING 1A\* AND 1B\*** (0.5 Credit)

Have you ever wished to play sports professionally? Have you dreamed of one day becoming an agent for a celebrity entertainer? If you answered yes to either question, then believe it or not, you've been fantasizing about entering the exciting world of sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, you'll have the

opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll learn about how professional athletes, sports teams, and well known entertainers are marketed as commodities and how some of them become billionaires as a result. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career.

### **SPORTS MEDICINE 1A\*** (0.5 Credit)

What do you think of when you hear the phrase "sports medicine professional"? Do you think of a doctor? Or maybe you think of a coach? Believe it or not, the term encompasses a much larger range of career options that expands further than jobs typically associated with this field. Would you believe that massage therapists, dietitians, and facility managers are considered to be part of the sports medicine industry? Together, we'll take a deep dive into a few of the most popular career paths available in the field today. We will also take a look at and discuss some of the day-to-day duties and legal obligations of a sports medicine professional.

### **SPORTS MEDICINE 1B\*** (0.5 Credit)

In Sports Medicine 1b: Injury Prevention, you'll expand your understanding of the human body to provide a greater context for injury in a variety of scenarios. You'll learn how to evaluate an injury, onsite tests to perform, and when to refer a patient to a medical professional. You'll also explore the anatomy of specific body areas to better understand injuries that may occur as well as ways to prevent injury.

### **SPORTS MEDICINE 2A\*** (0.5 Credit)

Have you ever wondered what happens inside your body to help you make the perfect pitch or run the fastest race or lift the heaviest load? What is the body actually doing in each of the systems to guarantee that you can successfully, without injury, execute the moves you wish to make? Finally, you must prepare the body for these masterful moves, so what steps do you take to ensure your body is ready for that all-out push? These questions should be on the minds of those training for competition and for those wishing to be more physically fit.

### **SPORTS MEDICINE 2B\*** (0.5 Credit)

In this course, you will be introduced to teaching group exercise classes and providing rehabilitation services to clients facing injury and disease. You will also learn about laws that govern the work of sports medicine professionals, business concerns like insurance and staffing, and what you need to consider if you start your own fitness facility.

### **THEATER, CINEMA, AND FILM PRODUCTION 1A\* AND 1B\*: INTRODUCTION** (0.5 Credit)

Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!

*\* Students will need to be enrolled separately in each semester course.*

### **VETERINARY SCIENCE: THE CARE OF ANIMALS\*** (0.5 Credit)

As animals play an increasingly important role in our lives, scientists have sought to learn more about their health and well-being. Taking a look at the pets that live in our homes, on our farms, and in zoos and wildlife sanctuaries, this course will examine some of the common diseases and treatments for domestic animals. Toxins, parasites, and infectious diseases impact not only the animals around us, but at times we humans as well! Through veterinary medicine and science, the prevention and treatment of diseases and health issues is studied and applied.

### **WEB DEVELOPMENT 2A\*** (0.5 Credit)

You'll hit the ground running with the Agile methodology of software development and how it plays into leadership and teamwork amongst developers. You'll also approach web development from a different perspective- your users!- and you'll learn to speak the language of JavaScript to enhance your web development efforts. Your efforts will commence in a professional portfolio that will allow you to experience GitHub to display your work.

### **WEB DEVELOPMENT 2B\*** (0.5 Credit)

In this course, you'll explore topics and hone skills to help you perfect your portfolio so it's ready to share with future employers. You'll discover common coding errors and security threats, website accessibility and reliability, and become more fluent and efficient in JavaScript. You'll also learn how to make on-the-job choices and adjustments and refine communication with your clients. In the end, you'll turn your website into a presentation to share with friends and family so you can showcase your achievements.

### **WOMEN'S STUDIES: A PERSONAL JOURNEY THROUGH FILM\*** (0.5 Credit)

Break down stereotypes and learn about feminism and the women's movement. Learn to critically examine films while learning about the history of the women's movement and how gender, race, and social class influence us. Women have earned their right to stand up and be recognized as equal partners and reap the benefits of their hard work. As the anonymous quote goes, "History is Herstory too."

### **WORLD RELIGIONS: EXPLORING DIVERSITY\*** (0.5 Credit)

Throughout the ages, religions from around the world have shaped the political, social, and cultural aspects of societies. This course focuses on the major religions that have played a role in human history, including Buddhism, Christianity, Confucianism, Hinduism, Islam, Judaism, Shintoism, and Taoism. Students will trace the major developments in these religions and explore their relationships with social institutions and culture. The course will also discuss some of the similarities and differences among the major religions and examine the connections and influences they have.

## IX. WORLD LANGUAGE COURSES

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### **SPANISH I** (1 Credit)

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

### **SPANISH II** (1 Credit)

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

### **SPANISH III** (1 Credit)

In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

### **FRENCH I** (1 Credit)

Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.

### **FRENCH II** (1 Credit)

Students continue their introduction to French in this second-year, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas | across the globe, and assessments.

### **FRENCH III (1 Credit)**

In this expanding engagement with French, high school students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas.

### **GERMAN I (1 Credit)**

High school students begin their introduction to German with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe.

### **GERMAN II (1 Credit)**

Students continue their introduction to high school German in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering major German-speaking areas in Europe.

### **CHINESE I (1 Credit)**

High school students begin their introduction to Chinese with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

### **CHINESE II (1 Credit)**

Students in high school continue their introduction to Chinese in this second-year course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Chinese-speaking countries.

## **LATIN I** (1 Credit)

High school students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.

## **LATIN II** (1 Credit)

Students continue their introduction to high school Latin by continuing to cover the fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments.

# X. CAREER & TECHNICAL EDUCATION COURSES

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## **AGRIBUSINESS SYSTEMS\*** (0.5 Credit)

Agribusiness Systems is a semester-length high school course that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Students learn about the components of the agribusiness system and how they interact to deliver food to our tables. They also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations.

## **ANIMAL SYSTEMS\*** (0.5 Credit)

Animal Systems is a semester-long high school course that provides students with a wealth of information on livestock-management practices, animal husbandry, physiological systems, the latest scientific trends, veterinary practice, and innovations in food production. Changes in practices, regulations, and legislation for animal welfare continue as new research provides solutions to medical, ethical, and practical concerns. The course reviews current topics, such as advancements in technology and research, and defines areas of discussion while maintaining focus on best-management practices. A student might use the knowledge gained from the course to further an interest in becoming a chef, researcher, doctor, wildlife-management professional, or any number of applicable careers.

## **BANKING SERVICES CAREERS\*** (0.5 Credit)

Banking Services Careers is a semester-long high school course that provides an overview of how the banking system works, what the Federal Reserve is, and the technical and social skills needed to work in banking and related services. Students explore career paths and the required training or higher education necessary and gain an understanding of the basic functions of customer transactions (e.g., setting up an account, processing a loan, establishing a business), cash drawer activity, check collection processes, and other customer service-related transactions. This course also discusses how technology has changed banking in the 21st century. The banking industry is responsible for many of the products that we use on a daily basis, from checking and savings accounts to debit cards, credit cards, and loans.

## **BUSINESS COMPUTER INFORMATION SYSTEMS** (1 Credit)

Business Computer Information Systems is a year-long course that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas: communication, business technology, word processing, spreadsheet, and database applications, telecommunications, desktop publishing, and presentation technology, computer networks, and computer operating systems.

## **BUSINESS INFORMATION MANAGEMENT (1 Credit)**

In Business Information Management, students will develop skills needed to successfully manage information in business organizations. This course teaches them the basics of information technology, personal and interpersonal skills, word processing, using databases and creating professional presentations. Students who complete the course will be able to use these skills as they transition to postsecondary education or the workforce.

## **BUSINESS LAW\* (0.5 Credit)**

This semester-long high school course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students are then introduced to the types of businesses that can be created as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated are reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts are discussed to get a better sense of what it means to “go global” with a business. Dispute resolution strategies are also addressed.

## **CAREER EXPLORATIONS (1 Credit)**

This course prepares middle or high school students to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skill demonstrations, and practice assignments, students learn how to assess their own skills and interests, explore industry clusters and pathways, and develop plans for career and academic development. This course is designed to provide flexibility for students; any number of units can be selected to comprise a course that meets the specific needs of students.

## **CAREER EXPLORATIONS I\* (0.5 Credit)**

Career Explorations I is a semester-long course designed to give middle school students an opportunity to explore various CTE subjects. Specifically, students learn about careers involving human-related services. Each of the five units introduce one particular field and explains its past, present, and future. These units include: Career Management, Introduction to Careers in Health Sciences, Hospitality and Tourism Systems, Human Services, and Consumer Services. The goal is to whet students’ appetites for these careers. Students can then explore that career in more detail as a high school student.

## **CAREER EXPLORATIONS II\* (0.5 Credit)**

Career Explorations II is a semester-long course designed to give middle school students an opportunity to explore various CTE subjects. Specifically, students learn about careers involving various technical fields from computers to agriculture. Each of the five units introduces one particular field and explains its past, present, and future. These units include: Information Technology, Introduction to Information Support and Services, Introduction to Network Systems, Introduction to Agriculture, Food, and Natural Resources, and Introduction to STEM (Science, Technology, Engineering, and Mathematics). The goal is to whet students’ appetites for these careers. Students can then explore that career in more detail as a high school student.



### **CAREER EXPLORATIONS III\*** (0.5 Credit)

Career Explorations III is a semester-long course designed to give middle school students an opportunity to explore various CTE subjects. Specifically, students learn about careers from business to hands-on career paths. Each of the five units introduces one particular field and explains its past, present, and future. These units include: Introduction to Business and Finance, Introduction to Manufacturing, Introduction to Transportation, Distribution, and Logistics, Introduction to Architecture and Construction, and Introduction to Marketing. The goal is to whet students' appetites for these careers. Students can then explore that career in more detail as a high school student.

### **CAREERS IN ALLIED HEALTH\*** (0.5 Credit)

Careers in Allied Health is a semester-long course that focuses on select allied health careers, studying a variety of different levels, responsibilities, settings, education needs and amounts of patient contact. The course includes an overview of the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day. Within each job type, students explore important aspects applicable to the entire field of allied health, such as behaving ethically, working as a team, keeping patients safe and free from infections and germs, honoring diverse needs of diverse patients, and following laws and policies.

### **CAREERS IN LOGISTICS PLANNING AND MANAGEMENT SERVICES\*** (0.5 Credit)

Careers in Logistics Planning and Management Services is a semester-long course that provides high school students with the history of logistics and recent advances in the field. Units include supply chain management, inventory and transportation management, and safety in the workplace. Logistics is a high-growth industry and stable career choice. There is something for every career-seeker, ability, and experience level. The objectives of this course are to introduce the student to the field of logistics planning and management and to explain the career opportunities that are available in this field.

### **CAREERS IN MARKETING RESEARCH\*** (0.5 Credit)

Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. Careers in Marketing Research is a semester-long high school course that provides information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. This course concludes with the execution, interpretation, and presentation of marketing research.

### **CAREER MANAGEMENT\*** (0.5 Credit)

Career Management is a semester-length high school course that assists students in their preparation for career selection. The course is designed to improve workforce skills needed in all careers including communication, leadership, teamwork, decision making, problem solving, goal setting and time management. Students complete activities that help identify personal interests, aptitudes, and learning styles. Students use results of self-assessments to determine careers that may prove personally satisfying.

## **CAREER PLANNING & DEVELOPMENT (1 Credit)**

Introducing high school students to the working world, this year-long course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

## **COMPUTER SCIENCE PRINCIPLES (1 Credit)**

This course is available as both an elective and a CTE course. Students will explore the foundations of computer science using videos, hands-on activities, programming, investigations, and projects. They will experience much of what computer programmers do in planning, developing, testing, and refining software. Security is a key topic, and students will learn techniques for recognizing and guarding against security threats. Every unit has two to three projects, giving students the opportunity not only to write programs, but also to develop security policies, analyze real-world data, solve network problems, plan a mobile app, and more. Interwoven throughout the course are spotlights on a wide variety of careers and roles in computer science. Students will need to access to Python to complete this course.

## **CONSTRUCTION CAREERS\* (0.5 Credit)**

Construction Careers is a semester-long course that introduces high school students to the basics of construction, building systems, engineering principles, urban planning, and sustainability. Students learn the key techniques in building all types of buildings, as well as the key individuals involved in each step of the process. Many lessons present information on green building techniques and concepts that are becoming a standard part of the construction industry. Safety practices are emphasized in several lessons because construction is one of the most dangerous industries; students learn that there is no way to be successful in construction without taking such issues seriously. Lessons in this course also explore regulatory agencies and guidelines established for protecting not only construction workers but also the occupants of a building.

## **CORRECTIONS: POLICIES AND PROCEDURES\* (0.5 Credit)**

Corrections is one of the three branches of the Criminal Justice System (CJS) in the United States. All three branches employ personnel who are authorized to uphold and enforce the law and are required to operate under the rule of law. Each branch works as part of the entire system to maintain the public safety and well-being and bring criminals to justice. Corrections facilities and programs are run by a complex system of policies and procedures, which uphold local, state, and federal laws. Corrections: Policies and Procedures gives high school students an introductory, yet thorough view of many aspects of corrections operations and legal background information as they study how prisons and prisoners have evolved into correctional facilities and programs for offenders. In this semester-long course duties, responsibilities, conduct, training, and special certification possibilities for corrections staff are explored. Many aspects of procedures in corrections are reviewed, giving students an in-depth look at what a variety of careers in this growing field encompass and require.

### **ENGINEERING AND DESIGN\*** (0.5 Credit)

This semester-long course focuses on building real-world problem-solving and critical thinking skills as students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

### **ENGINEERING AND PRODUCT DEVELOPMENT\*** (0.5 Credit)

This semester-long course provides an overview of the concepts of product engineering and development. Students analyze the life cycle of a product to prepare a product for distribution and for target markets. The course begins with building an understanding of the product life cycle, from the initial idea to drafting requirements to using 3-D modeling tools and other design tools. The final unit focuses on assembling the pieces within a project plan to achieve a product and evaluating the plans for a successful product launch. In addition, the course provides information about the different careers available to students interested in engineering, product development, and project management.

### **FAMILY AND COMMUNITY SERVICES\*** (0.5 Credit)

Family and Community Services is a high school semester-long course that introduces applications within professions related to family and community services. Students identify degree and credential requirements for occupations in this pathway and identify individual, social, historical, economic, and cultural context to increase awareness of family and community services. Students develop the abilities necessary to evaluate and identify a range of effective communication strategies and skills for establishing a collaborative relationship with others. Students also complete a variety of projects to apply their skills and knowledge. Units are divided among career fields: Social Workers, Emergency Management and Planners, Therapists and Treatment Specialists, Education and Childcare.

### **FIRE AND EMERGENCY SERVICES\*** (0.5 Credit)

Emergency and fire-management services are essential infrastructure components of a community. Fire and Emergency Services is a semester-long course that provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. The vehicles, equipment, and emergency-mitigations strategies that are commonly used in the emergency-and fire-management field are also explored. Students gain an understanding of the goals of an emergency-management service and how they are implemented and managed, including personnel, budget, and labor-management challenges in the organization. Various preparedness plans are discussed as students explore typical characteristics and frameworks of modern emergency-and fire-management organizations.

### **FOOD PRODUCTS & PROCESSING SYSTEMS\*** (0.5 Credit)

Agriculture, food, and natural resources are central to human survival and civilization. The development, use, and stewardship of natural resources to create food products have a long and ever-changing timeline. This semester-length high school course that explores the history and

evolution of food products, along with the processing methods that have arisen to feed an ever-growing world population. Students study specifics in a wide spectrum of food product topics, from early methods of preservation to technological advancements in packaging, regulations in labeling, and marketing trends. Students learn industry terminology in each area of the overall system, from “farm to fork” to vertical integration to smart packaging.

### **FOOD SAFETY AND SANITATION\*** (0.5 Credit)

This comprehensive semester-long course covers the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests and customers. The course provides a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this course, students are prepared to meet the requirements of state and national certification exams.

### **FORENSICS: USING SCIENCE TO SOLVE A MYSTERY\*** (0.5 Credit)

Forensics: Using Science to Solve a Mystery is a semester-long high school course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law. Projects in this course include simulated crime-scene investigation, actual DNA separation, development of a cybersecurity plan, and the identification of specific forensic skills used during the course of a very large murder case. The focus of this course is to assist students in making career choices. The overview of careers includes job descriptions and availability, educational and training requirements, licensing and certification, and typical annual salaries. Students who take this class will become equipped to make more informed career choices regarding the forensic, computer science and medical science fields. At the same time, students will survey the history and scope of present-day forensic science work.

### **FUNDAMENTALS OF COMPUTER SYSTEMS\*** (0.5 Credit)

Fundamentals of Computer Systems is a semester-long high school course that provides students with an understanding of computers and how they operate as well as a basic understanding of how to manage and maintain computers and computer systems. These skills provide students with the ability to configure computers and solve computer problems. Students learn details about the different elements of computers and computer systems, how to identify hardware devices and their functions, the role of operating systems as well as how to install and customize Windows operating system. Students also learn about networking and the Internet, security issues, and current software applications, such as Microsoft<sup>®</sup> Office. In addition, students learn specifics about maintaining and troubleshooting computers, including managing files, backing up systems, and using the administrative tools in Windows operating system. Lastly, students learn the basics of customer service and working as a help desk support technician.

### **FUNDAMENTALS OF DIGITAL MEDIA\*** (0.5 Credit)

Fundamentals of Digital Media is a semester-long course that presents high school students an overview of the different types of digital media and how they are used in the world today. This course examines the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces several different career paths related to digital media. Students learn about the tools used as well as best practices employed for

creating digital media. In the course, students explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students also review the ethics and laws that impact digital media use or creation.

### **FUNDAMENTALS OF PROGRAMMING AND SOFTWARE DEVELOPMENT\*** (0.5 Credit)

This semester-long course provides students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations. Students learn details about core concepts in programming using Java, writing and debugging code, proper syntax, flow of control, order of operations, comparison operators, and program logic tools and models.

Students learn the function of key program techniques including if statements, looping, and arrays, as well as web development using HTML and drag-and-drop development of user interfaces in an integrated development environment. Students explore the software development life cycle and different variations used to create software.

#### Required Materials:

Activities in this course require that the Java Software Development Kit (SDK) and the NetBeans Integrated Development Environment (IDE) is installed on students' computers. Instructions are included in the Unit 1 lesson titled "Introduction to Java Programming".

### **HEALTH, SAFETY, AND ETHICS IN THE HEALTH ENVIRONMENT\*** (0.5 Credit)

Health, Safety, and Ethics in the Health Environment is a semester-long high school course that focuses on healthcare safety, health maintenance practices, environmental safety processes and procedures, and ethical and legal responsibilities. It also reinforces, expands, and enhances biology content specific to diseases and disorders. Students participate in project-and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. Students develop basic technical skills required for all health career specialties including understanding occupational safety techniques and obtaining their CPR and First Aid certifications.

### **HEALTH SCIENCE CONCEPTS** (1 Credit)

This year-long course introduces high school students to the fundamental concepts of anatomy and physiology— including the organization of the body, cellular functions, and the chemistry of life. As they progress through each unit, students learn about the major body systems, common diseases and disorders, and the career specialties associated with each system. Students investigate basic medical terminology as well as human reproduction and development. Students are introduced to these fundamental health science concepts through direct instruction, interactive tasks, and practice assignments. This course is intended to provide students with a strong base of core knowledge and skills that can be used in a variety of health science career pathways.

### **PRINCIPLES OF AGRICULTURE, FOOD, AND NATURAL RESOURCES** (1 Credit)

This semester-length high school course introduces students to the basic scientific principles of agriculture and natural resources. Students recognize and research plant systems, animal systems, government policy, "green" technologies, agribusiness principles, and sustainability systems. In this

course, students apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Finally, students apply adaptive ecosystem management to a common pool resource problem in a manner that addresses ecological, socioeconomic, and institutional contexts.

### **INTRODUCTION TO BUSINESS (1 Credit)**

In this two-semester introductory course, students learn the principles of business using real-world examples— learning what it takes to plan and launch a product or service in today’s fast-paced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

### **INTRODUCTION TO CAREERS IN ARCHITECTURE AND CONSTRUCTION\* (0.5 Credit)**

The goal of this semester-long high school course is to provide students with an overview of careers in architecture and construction in order to assist with informed career decisions. This dynamic, rapidly evolving career cluster is comprised of three pathways (fields): Design and Pre-Construction (Architecture and Engineering); Construction (Construction and Extraction); and Maintenance and Operations (Installation, Maintenance, and Repair). The Architecture and Construction career cluster is defined as careers in building, designing, managing, maintaining, and planning the built environment. The built environment encompasses all zones of human activity—from natural conservation areas with minimal human intervention to highly dense areas with tall skyscrapers and intricate highway systems to suburban cul-de-sacs. The interrelated components that make up the built environment are as varied and unique as the professionals who help shape it.

### **INTRODUCTION TO CAREERS IN EDUCATION AND TRAINING\* (0.5 Credit)**

Introduction to Careers in Education and Training is a semester-long course that introduces students to the field of education and training, and the opportunities available for early-childhood through adult and continuing education. Students gain an understanding of the career options available in teaching, administrative work, and support services. They also explore the education and background experience needed to succeed in these careers. Students learn about the evolution of the modern educational system in the United States, and the policies and laws that govern educational institutions. They also discover the similarities and differences between the ethical and legal obligations of working with adults versus working with children.

### **INTRODUCTION TO CAREERS IN FINANCE\* (0.5 Credit)**

Introduction to Careers in Finance is a semester-long course that provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. Course units address a broad set of services in the industry including finance overview, financial services, securities analysis, investments, principles of corporate finance, banking services, risk management, and insurance.

## **INTRODUCTION TO CAREERS IN GOVERNMENT AND PUBLIC ADMINISTRATION\*** (0.5 Credit)

This semester-long course provides students with an overview of American politics and public administration, including how political institutions and public management systems at the local, state, and federal levels exercise supervisory authority and maintain accountability. Students explore the foundations of the U.S. government, the separation of powers, the federal civil service system, and the relationship between the government and state and local officials. Students learn about politics in the United States and the electoral process, political attitudes and opinions, and American political parties. Students explore the structure of U.S. federal governmental institutions, the nature of bureaucracy, and the functions of the three branches of government. Students also learn about policy making in American government, including discussions of foreign and defense policies.

## **INTRODUCTION TO COMPUTER SCIENCE** (1 Credit)

This course is available as both an elective and a CTE course. Introduction to Computer Science is a year-long course designed for students in grades 9-10, although any students across 9-12 may enroll. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students have creative, hands-on learning opportunities to create a computer program, a web page, design a mobile app, write algorithms, and collaborate with peers while building a strong foundational knowledge base. This course provides a solid foundation for more advanced study as well as practical skills they can use immediately.

Required Materials:

Activities in this course require that Python is installed on students' computers.

## **INTRODUCTION TO HUMAN GROWTH AND DEVELOPMENT\*** (0.5 Credit)

This semester-long course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. The course provides a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed. Students who take this course will come away with a broad understanding of all the careers that help people from birth to death.

## **INTRODUCTION TO CAREERS IN THE HEALTH SCIENCES\*** (0.5 Credit)

This semester-long course is an overview of health careers and overriding principles central to all health professions. The course provides a foundation for further study in the field of health science. Upon completion of the course, students are able to discuss the potential career choices and have an understanding of basic concepts that apply to these different choices such as science and technology in human health, disease, privacy, ethics and safety. Essential skill development, such as communication and teamwork, are also addressed.

## **INTRODUCTION TO CAREERS IN TRANSPORTATION, DISTRIBUTION, AND LOGISTICS\*** (0.5 Credit)

This semester-long course introduces students to the complicated world of commercial transportation. Students undertake an overview of the fields of transportation, distribution, and logistics, learning the differences between the fields and the primary services provided in each. Students learn how warehousing, inventory, and other associated businesses impact the economy, which includes the advantages and disadvantages of automation on employment. Students learn about the history of transportation including. Students examine the fields that serve to support and manage transportation systems. Lastly, the role of technology and technological development on transportation-related businesses is addressed.

## **INTRODUCTION TO CONSUMER SERVICES\*** (0.5 Credit)

In this semester-long course, students analyze various career paths in terms of employment opportunities and educational requirements, such as hard and soft skills, certifications, and licensures for different pathways. Developing research, analytical, and presentations skills are key components. This course is designed as an overview to prepare students for a consumer services-related career and to introduce them to specialty areas. Emphasis is placed on the human services aspect (vs. corporate concerns) of consumer services. Social issues and advocacy, as well as ethics and legalities, are a recurring theme. Students gain knowledge of current issues affecting various consumer services professions, and the impact of local, state, national and global issues on consumer services.

## **INTRODUCTION TO HEALTH SCIENCE** (0.5 Credit)

This high school course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.

## **INTRODUCTION TO HUMAN SERVICES\*** (0.5 Credit)

This semester-long course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students learn about the broad variety of jobs available in the human services. These begin with entry-level positions, such as associate social workers, that require a two-year Associate of Arts degree. Students also learn ethics and philosophies of the helping professions. The history of the profession, as well as the impact of the cultural, social, and economic environment on individual people, especially those who need social services assistance, is also explored.

## **INTRODUCTION TO INFORMATION TECHNOLOGY** (1 Credit)

This course introduces students to the essential technical and professional skills required in the field of Information technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.



## **INTRODUCTION TO INFORMATION TECHNOLOGY SUPPORT AND SERVICES\*** (0.5 Credit)

This semester-long course focuses on real-world application, including common industry best practices and specific vendors that offer tools for technicians, project managers, and IT leadership. Students learn how the IT department of an enterprise supports the overall mission of the company. Students apply their knowledge of hardware and software components associated with IT systems while exploring a variety of careers related to IT support and services. Students analyze technical support needs to perform customer service and configuration management activities. Students also evaluate application software packages and emerging software. Students demonstrate and apply knowledge of IT analysis and design by initiating a system project and evaluating applications within the IT system.

## **INTRODUCTION TO LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY\*** (0.5 Credit)

In this semester-long course, students learn about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security. In addition to learning about the training and educational requirements for these careers, students explore the history of these fields and how they developed to their current state. Students also learn how these careers are affected by and affect local, state, and federal laws. Finally, students examine the relationships between professionals in these fields and how collaborations between professionals in these careers help to create a safer, more stable society.

## **INTRODUCTION TO NETWORK SYSTEMS\*** (0.5 Credit)

This semester-long course introduces students to the fundamental technology and concepts that make networking systems possible. The most important concept introduced is that of the OSI reference model and its bottom four layers, which are most directly concerned with networking instead of computing. The course explores the software and hardware supporting LANs, WANs, and Wi-Fi networks. Students are introduced to the protocols in the TCP/IP stack that are used to communicate across a network, and to networking hardware, including hubs, switches, bridges, routers, and transmission media. Students explore questions of security, network management, and network operating systems.

## **INTRODUCTION TO STEM\*** (0.5 Credit)

This semester-long course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students are exposed to several computer applications used to analyze and present technical or scientific information. Finally, students explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students discover their strengths through practical applications and awareness of the various STEM careers.

## **KEYBOARDING AND APPLICATIONS\*** (0.5 Credit)

Keyboarding and Applications is a semester-long course that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. Students learn proper

keyboarding techniques. Once students have been introduced to keyboarding skills, lessons include daily practice of those skills. Students gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, students apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.

Required materials:

- Word-processing software (e.g., MS Word)
- Presentation software (e.g., MS PowerPoint)

### **LAW ENFORCEMENT FIELD SERVICES\*** (0.5 Credit)

This semester-long course introduces students to the field of law enforcement and the local, county, state, and federal laws that law enforcement personnel are sworn to uphold. The students also gain an understanding of the career options available in this field and the skills, education, and background experience needed to succeed. Students learn about the evolution of the role of law enforcement in the United States including key changes affecting law enforcement. Students learn about the interaction between local, county, state, and federal law enforcement agencies. Finally, students learn about the types of crime that are commonly committed and the procedures, evidence collection techniques, and technological advances that law enforcement personnel use to investigate crimes.

### **LEGAL SERVICES\*** (0.5 Credit)

Legal Services is a high school semester-long course that provides students with an overview of the system of laws in the United States, the practice areas, and career options in the field. Students learn about how the legal system operates, the consequences to those who commit crimes, and how disputes are settled, as well as how criminal and civil cases reach court and are resolved. Students learn about the courtroom and the basics of a typical court case. Students explore constitutional rights and legal safeguards, types of evidence, as well as how technology has changed the practice of law. They also learn about legal education and various careers in the legal field.

### **MEDICAL TERMINOLOGY** (1 Credit)

This full-year course introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology. The knowledge and skills gained in this course provide students entering the healthcare field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments, and unit-level assessments.

### **MARKETING AND SALES FOR TOURISM AND HOSPITALITY\*** (0.5 Credit)

This semester-long course is designed as an introduction to the study of tourism and hospitality marketing and sales. Students are introduced to marketing theory and application of the basic principles of marketing as applied in hospitality and tourism. The relationship between marketing and other functions such as advertising, sales techniques, and public relations to maximize profits in

a hospitality organization is addressed. Students have an opportunity to explore this multi-faceted world, identifying multiple career paths and opportunities.

### **NETWORK SYSTEM DESIGN\*** (0.5 Credit)

Network System Design is a semester-long course that provides students with an understanding of computer networks and how they operate, as well as a basic understanding of how to manage and maintain computer networks. These skills provide students with the ability to design, configure, and troubleshoot networks of all sizes. Students learn the basics of network design, including how to identify network requirements and determine proper network architecture. Students are introduced to network models. Students also learn about internet protocol and the basics of routing data on a network. Students learn about network security issues and network management. Lastly, students learn about network operating systems and their role in connecting computers and facilitating communications.

Required material: This course requires MS Office 2016

### **NEW APPLICATIONS: WEB DEVELOPMENT IN THE 21ST CENTURY\*** (0.5 Credit)

New Applications is a survey course that travels from the first software programs developed to facilitate communication on the Internet, to the new generation of mobile and native apps that access the Internet without a reliance on a web browser. New Applications is also a practical course in how to develop a presence on the World Wide Web using WordPress and other available web-application tools. The goal of the course is to provide the learner insight into the rapidly evolving universe of programming and application development to support informed career decisions in an industry that is changing as quickly as it is growing.

### **NURSING ASSISTANT** (1 Credit)

This two-semester course prepares students to provide and assist with all aspects of activities of daily living and medical care for the adult patient in hospital, long-term care, and home settings. Through direct instruction, interactive skills demonstrations, and practice assignments, students are taught the basics of nurse assisting, including interpersonal skills, medical terminology and procedures, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, emergency skills, and employability skills. Successful completion of this course from an approved program prepares the student for state certification for employment as a Certified Nursing Assistant (CNA).

### **NURSING: UNLIMITED POSSIBILITIES AND UNLIMITED POTENTIAL\*** (0.5 Credit)

Nursing: Unlimited Possibilities and Unlimited Potential provides high school students opportunities to compare and contrast the various academic and clinical training pathways to an entry-level position in nursing and to explore the growing number of opportunities for professional advancement given the proper preparation and experience. In this semester-long course, students have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand the important changes proposed in the education and ongoing professional development of nurses.

## **PERSONAL CARE SERVICES\*** (0.5 Credit)

Personal Care Services introduces high school students to a variety of careers in the following areas: cosmetology (including hairstyling and haircutting, esthetics, manicuring, makeup, and teaching) and barbering (including cutting and styling of hair and facial hair and manicuring for men); massage therapy, teaching body-mind disciplines (yoga, Pilates, and the martial arts), and fitness (general exercise classes and acting as a personal trainer); and mortuary science (embalming and funeral directing). The semester-long course teaches students about what each career entails and the education and training they need to become credentialed in various career specialties. In addition, about half of the course is devoted to teaching knowledge associated with the various professions, so that students can get a feel for what they should learn and whether they would like to learn it.

## **PHARMACY TECHNICIAN** (1 Credit)

This two-semester course prepares students for employment as a Certified Pharmacy Technician (CPhT) and covers the skills needed for the pharmacy technician field. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn the basics of pharmacy assisting, including various pharmacy calculations and measurements, pharmacy law, pharmacology, medical terminology and abbreviations, medicinal drugs, sterile techniques, USP 795 and 797 standards, maintenance of inventory, patient record systems, data processing automation in the pharmacy, and employability skills. Successful completion of this course prepares the student for national certification for employment as a CPhT.

## **PHYSICIANS, PHARMACISTS, DENTISTS, VETERINARIANS, AND OTHER DOCTORS\*** (0.5 Credit)

Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors focuses on preparation for physician-level careers, including dental, veterinary and pharmaceutical, along with a look into the physician assistant and alternative medicine systems. This semester-long course also introduces the topics of diversity and the move toward social and cultural skills in medicine, in addition to academic ability. This course focuses on the preparation for entry to practice, along with navigating the field once you are in it (working as part of a team, dealing with patients, etc.). Students choose their career path by studying different roles, responsibilities, settings, education needs, and amounts of patient contact. Degree and training requirements, working environment, salaries, and the day in the life of that career is also covered in this course. Students explore important aspects that are applicable to the entire health field, such as behaving ethically, keeping patients safe and free from infections and germs, and following laws and policies.

## **PLANNING MEETINGS AND SPECIAL EVENTS\*** (0.5 Credit)

Planning Meetings and Special Events is a semester-long high school course designed as an introduction to the study of planning meetings and special events. Being a meetings and special events planner is both demanding and rewarding. According to The Bureau of Labor Statistics employment of meeting, convention, and event planners is projected to grow 7 percent from 2018 to 2028, faster than the average for all occupations. Job opportunities should be best for candidates with hospitality experience and a bachelor's degree in meeting and event management, hospitality, or tourism management. It's not all fun and parties because a meeting coordinator is responsible for every detail of an event. Planners must know how to communicate, be empathetic, and think of their

clients. It's crucial to remember that in some instances the event will be a once-in-a-lifetime occasion, so it's important to get it right.

### **PLANT SYSTEMS\*** (0.5 Credit)

Plant Systems is a semester-length high school course that introduces students to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented. The course concludes by looking at careers in the plant sciences which includes agronomy, horticulture, or landscape design.

### **POWER, STRUCTURAL, AND TECHNICAL SYSTEMS\*** (0.5 Credit)

This semester-length high school course provides students with an understanding of the field of agriculture power and introduces them to concepts associated with producing the food and fiber required to meet today's and tomorrow's needs. Students are given the opportunity to explore agriculture machinery, as well as structures and technological concepts. They also learn about the historical changes in agriculture and how agriculture has changed to meet the needs of the future world population. Students are introduced to machinery, structures, biotechnology, and ethical and professional standards applicable to agriculture power.

### **PUBLIC HEALTH: DISCOVERING THE BIG PICTURE IN HEALTH CARE\*** (0.5 Credit)

Public Health: Discovering the Big Picture in Health Care is a semester-long high school course that discusses the multiple definitions of public health and the ways these definitions are put into practice. The five core disciplines and ways they interact to reduce disease, injury and death in populations is explored. By understanding the roles of public health, students gain a greater appreciation for its importance and the various occupations one could pursue within the field of public health. Students explore the history, nature and context of the public health system. Students also learn how to promote public health, and how to coordinate a response to a public health emergency. Students explore how diseases spread and learn about the roles of the Centers for Disease Control and the World Health Organization. By entering the field of public health, students play an integral part in improving the health and lives of many people.

### **SCIENCE AND MATHEMATICS IN THE REAL WORLD\*** (0.5 Credit)

Science and Mathematics in the Real World is a semester-long high school course where students focus on how to apply scientific and mathematical concepts to the development of plans, processes, and projects that address real world problems, including sustainability and "green" technologies. This course also highlights how science, mathematics, and the applications of STEM will be impacted due to the development of a greener economy. This course exposes students to a wide variety of STEM applications and to real world problems from the natural sciences, technology fields, the world of sports, and emphasizes the diversity of STEM career paths. The importance of math, critical thinking, and mastering scientific and technological skill sets is highlighted throughout. Challenging and enjoyable activities provide multiple opportunities to develop critical thinking skills

and the application of the scientific method, and to work on real world problems using STEM approaches.

### **SCIENTIFIC DISCOVERY AND DEVELOPMENT\*** (0.5 Credit)

Scientific Discovery and Development is a semester-long high school course that explores the history of clinical laboratory science, learning how clinical laboratories evolved and became professionalized, and how scientific discoveries and breakthroughs fueled the development of the laboratory while the sub-disciplines in biology were advancing. Students learn about the circulatory system and about microbiology and the subfields within it. Cells and tissues, cell division and basic genetics is also addressed. This course covers the three major areas in bioresearch: biotechnology, nanotechnology, and pharmaceutical research and development. More than two dozen career fields are explored along the way including laboratory techs, phlebotomists, and pathologist assistants. Students learn what is necessary in the areas of education and credentialing with an idea of the job outlook and salaries.

### **SCIENTIFIC RESEARCH\*** (0.5 Credit)

Scientific Research is a semester-long high school course that describes activities from the point of view of a professional scientist. The lessons provide support, accessible ideas, and specific language that guide students through most of the steps, insights, and experiences eventually faced if continued through higher education toward a graduate degree. Knowing the practical, everyday basics of scientific thinking and laboratory activity serves as a necessary first step to a career as a technician or a lab assistant. While these jobs are hands-on and technical, the intellectual and historical background covered in the course provides an awareness that is essential to working in such an atmosphere.

### **SECURITY AND PROTECTIVE SERVICES\*** (0.5 Credit)

Security and Protective Services is a semester-long high school course that offers an overview of the security and protective services industry. Students will understand different types of security services and how they relate to one another. The distinction between the criminal justice system within the public sector and private security is addressed. The course begins with an introduction to the history of private security, with subsequent units focusing on a specific sector. The concluding unit focuses on the emerging challenges facing security services in the twenty-first century, including international terrorism. In addition, the course provides information about many different careers that are available to students who are interested in security and protective services.

### **SMALL BUSINESS ENTREPRENEURSHIP** (1 Credit)

This full-year course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for having effective business management, financing and marketing strategies.

### **SOFTWARE DEVELOPMENT TOOLS\*** (0.5 Credit)

This semester-long course introduces students to the variety of careers related to programming and software development. Students gather and analyze customer software needs and requirements, learn core principles of programming, develop software specifications, and use appropriate reference tools to evaluate new and emerging software. Students apply IT-based strategies and develop a project plan to solve specific problems and define and analyze system and software requirements.

### **STEM AND PROBLEM SOLVING\*** (0.5 Credit)

Science, technology, engineering, and mathematics (STEM) are active components in the real world. STEM and Problem Solving is a semester-long high school course that outlines how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical-thinking skills to produce viable solutions to problems. Students learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information. This course is designed to help students understand what we mean by problem solving and to help understand and develop skills and techniques to create solutions to problems. Advanced problem-solving skills are necessary in all science, technology, engineering, and mathematics disciplines and career paths. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information.

### **SUSTAINABLE SERVICE MANAGEMENT FOR HOSPITALITY AND TOURISM\*** (0.5 Credit)

This comprehensive semester-long course covers the principles and practices of sustainable service management. The purpose of this course is to provide students with an understanding of socially, environmentally, and financially sustainable hospitality management. The course provides a sustainable approach to service management, incorporating the role of the customer, employee, leaders, and the environment. After successful completion of this course, students understand and are able to explain the fundamentals of sustainability in the hospitality industry.

### **TEACHING AND TRAINING CAREERS\*** (0.5 Credit)

Teaching and Training Careers is a semester-long high school course that introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and high-quality.

### **TECHNOLOGY AND BUSINESS** (0.5 Credit)

This year-long course teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents, including

complex word-processing documents, spreadsheets with charts and graphs, database files, and electronic presentations.

**THERAPEUTICS: THE ART OF RESTORING AND MAINTAINING WELLNESS\*** (0.5 Credit)

Therapeutics: The Art of Restoring and Maintaining Wellness is a semester-long high school course that focuses on careers that help restore and maintain mobility and physical and mental health, such as physical therapists, physical therapy assistants, occupational therapists, athletic trainers, massage therapists, dieticians and dietetic technicians, art therapists, neurotherapists, vocational rehabilitation counselors, and registered dental hygienists. Each career is explored in depth, examining typical job duties, educational and licensure requirements, working conditions, average salary, and job outlook. Key concepts and specific skill sets are introduced in the lessons, allowing students to apply what they have learned to health careers. This course is important because skilled health care workers are in high demand and expected to remain so for the foreseeable future.

**TRANSPORTATION AND TOURS FOR THE TRAVELER\*** (0.5 Credit)

Transportation and Tours for the Traveler is a semester-long course where students learn about today's package tour industry, travel industry professionals, and package tour customers. Students find out who tour operators must work with to create travel products and what kinds of decisions they must make in terms of meals, lodging, attractions, and, of course, transportation. Finally, students learn about how technology, world events, and increased environmental awareness are affecting the travel industry today. Students focus on the different components that go into creating a tour to get a sense of what working for a tour operator entails as well as what other careers are available in the tour industry.



# XI. SOCIAL & EMOTIONAL LEARNING COURSES

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## **CHARACTER & LEADERSHIP DEVELOPMENT\*** (0.5 Credit)

In this course, students will learn what leadership looks like in a 21st-century world, how new generations are adapting to lasting principles and how to influence others and take on a leadership role in their own community. The course begins with providing students the opportunity to identify and write out their life vision, mission, and purpose and begin to understand the value of making memories, having adventures, and creating meaningful experiences. Upon completion of this course, students will have a clear understanding of what it takes to have an impact on their family, friends, and peers, as well as a personal action plan of practical steps they can take to reach their goals.

## **CLIMATE & CULTURE TRANSFORMATION\*** (0.5 Credit)

Climate & Culture Transformation is a course designed to teach students the different aspects of health and safety, relationship support, social awareness, and equity, inclusion, & diversity. The climate and culture of a school, community, or relationship are all based on mutual and self-respect, perspective-taking, healthy communication, and positive values. In this course, students are challenged to reflect on and learn more about themselves and others, as well as how to advocate for safer and more supportive environments. Each lesson is packed with positivity and insight needed to envision a brighter future for all.

## **COLLEGE & CAREER READINESS\*** (0.5 Credit)

The content in this course provides instruction on skills essential for students preparing for college and/or a career, including: how to build an effective resume, how to groom and dress in the workplace, the power of networking and how to develop disciplines that lead to success. Now, more than ever, students are told they must be prepared for higher education or a career in a skilled profession.

## **MENTAL HEALTH & WELLNESS\*** (0.5 Credit)

Mental Health & Wellness is a course designed to reinforce and empower a student's overall mental health, especially in times of crisis or trauma. This course is designed to help students cope with difficult situations, self-soothe, and manage conflicting emotions. It seeks to give students the tools they need to keep their mind and well-being safe and sound. By participating in this course, students build a framework for citizenship, embrace the value of diversity, and learn how to appropriately use their voice to fight against injustices. Upon completing this course, students will understand the value of resiliency and how to utilize a framework for working through life challenges, enabling them to lead a meaningful and fulfilling life.

## **PERSONAL DEVELOPMENT\*** (0.5 Credit)

Personal Development is a course designed to increase a student's success in school, at work, and in their personal life. Each of the lessons in this course provide students with practical insights, stories,

discussion questions, and activities designed to enhance self-awareness, boost self-esteem, and help develop the motivation it takes to overcome personal challenges. By participating in course activities and discussions, students build a valuable record of their goals, dreams, skills, interests, and values. Students will also develop the skills necessary to make informed and responsible decisions about their own well-being, as well as the well-being of others.

### **RESTORATIVE PRACTICES & PRINCIPLES\*** (0.5 Credit)

This course is designed to provide individuals with the knowledge and tools to improve and repair relationships between people and communities. It seeks to build social behaviors and treat underlying causes that lead to antisocial behavior, rather than merely punish the misbehavior itself, and restore the trust and harmony in both individuals and relationships after harm is done. By participating in this course, students learn to evaluate the impact that their environment and experiences have on them, and then build purposeful, positive futures for themselves, regardless of their history, circumstance, or past mistakes. This course aims to instill the confidence, inspiration, and wisdom needed to break through any social stereotypes or barriers that stand in the way of reaching their full, best potentials possible.

### **SOCIAL AND EMOTIONAL SUCCESS\*** (0.5 Credit)

Social & Emotional Success is a course is designed to strengthen a student's social capacity and their emotional intelligence (EQ). Through a study of mindfulness, students develop a strong sense of self, enabling them to develop successful relationships, make healthy decisions, and achieve their goals. On top of developing EQ skills students will be equipped to handle trauma, developing coping skills, understand the consequences of drugs and how to find help when feeling vulnerable and abused. Upon completing this course, students will be empowered with the skills to identify problems, utilize critical thinking to evaluate and reflect on solutions, and engineer their own philosophy towards mindfulness.

### **TRAUMA-INFORMED LIVING\*** (0.5 Credit)

Trauma-Informed Living is designed to address common mental health issues, provide resources and techniques to healthily process, cope, and heal our emotions, and reduce the stigma of mental health issues in society. There are many common, and normal, mental experiences that individuals face that are misunderstood, undiscussed, and/or untreated, which may lead to long-term and development problems or suicidal thoughts and behaviors. By participating in this course, students learn how to prevent, recognize, and identify different mental health issues, how to navigate the emotions involved, how to seek resources for help with mental health, and how to help others in need do the same. The topics discussed in this course include: personal safety and wellness, self-esteem, potential mental barriers, social-emotional trauma, childhood trauma, mental health disorders, and suicide prevention and awareness.

### **UNLOCK YOUR PURPOSE\*** (0.5 Credit)

In this course, students will investigate their why and identify the person they want to become. Yet, no matter how strong their self-awareness is, events will occur that will challenge them. This course allows students to examine what motivates them to keep pressing on and pushing through the pain of growth that is necessary to leading a fulfilling life. By participating in activities and discussions in this course, students build the interpersonal and intrapersonal skills that lead to a life of purpose. Upon completing this course, students will understand how to balance the principles of happiness

and success, the importance of helping others, the connection between internal thoughts and external communication, and how to build and maintain healthy relationships.

## **“INTERVENTION ON PURPOSE” MODULES**

The “Intervention On Purpose” module suite includes selected content from the full Purpose Prep courses\*\*, for use in a variety of flexible implementation settings:

- Controlling your Thoughts and Sad Feelings
- Regulating Anger and Temper
- Understanding Anxiety
- Overcoming Bullying the Right Way
- Crafting My Personal Vision
- Building Communication Skills with Adults
- Understanding Depression
- Being Yourself with Pride and Confidence
- Advancing Everyday Communication Skills
- Discovering My Identity
- Impacting and Contributing to My Community
- Seeing the World Through Compassion & Empathy
- Surviving the Death of a Loved One
- Coping with the Incarceration of a Loved One
- Dealing with Divorce & Separation
- Becoming a Dynamic Leader
- Dealing with Rejection
- Striving for Authenticity
- Finding Hope with Teen Pregnancy
- Resisting and Refusing Peer Pressure
- Asking for Help for Myself or Others
- Writing Life-Changing Goals for My Future
- Managing Stress
- Walking through Forgiveness
- Keeping Calm and Living with Mindfulness
- Learn to Date Yourself
- Living by Character, Values and Purpose
- Turning your Life Around & Starting Again
- Dressing and Grooming for Success
- Self-Motivate and Create Ambition & Curiosity
- Preventing Suicide and Depression
- Introducing the Process of Substance Abuse and Rehabilitation
- Learning Resiliency, Elasticity and Coping Strategies
- Finding a Mentor
- Identifying my Needs and Limits
- Taking Control of Impulsive Decision Making
- Focus & Refocus
- Accepting & Taking Responsibility
- Coping with Grief, Loss and Shame
- Embracing Diversity
- Managing my Mood and Behavior
- Moving Forward from Suspension and Expulsion

- Finding Available Mental Health Resources and Supports
- Dealing with Sexual Abuse and Sexual Pressure
- Unlearning Learned Helplessness
- Evaluating the Quality of my Judgements
- Overcoming Gangs, Guns and Fighting
- Protecting Myself against Exploitation and Human Trafficking
- Returning to School Successfully
- Learning Refusal Skills & How to Say No
- Fighting Truancy
- Restorative Practices: Taking Accountability for My Circumstances
- Managing Adrenaline and Aggression
- Staying Safe Online
- Building Healthy Relationships
- Overcoming the Use of Swearing and Degrading Words
- An Introduction to Substance Abuse
- Exposing the Consequences of Drugs on My Body and Mind
- Tackling the use of Stimulants and Depressants
- Living above Vaping and JUULing
- Considering the Impact of Drugs on My Relationships
- Living Drugs-Free and Overcoming Drugs

*\*\*This is not an exhaustive list of all intervention topics.*

## XII. TEST PREPARATION COURSES

**SAT, PSAT, and ACCUPLACER are registered trademarks of the College Board.**

**ACT and WorkKeys are registered trademarks of ACT, Inc.**

**ASVAB (Armed Services Vocational Aptitude Battery) is a registered trademark of the United States Military Entrance Processing Command.**

**GED is a registered trademark of the American Council on Education. TASC is a registered trademark of CTB.**

**HiSET is a registered trademark of Educational Testing Service (ETS).**

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### **VIRTUAL TUTOR: ACT®**

This course provides students with the opportunity to prepare to successfully complete the ACT® college-entrance exam. Practice tests diagnose and target areas of opportunity, and students are prescribed individual study paths. The learning experience includes video-based instruction by highly qualified teachers, interactive assignments, and frequent assessment opportunities to track progress.

### **VIRTUAL TUTOR: SAT®**

This test preparation course effectively prepares students for all sections of the SAT® exam. Course content is broken into strands, allowing students to focus on each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.

### **VIRTUAL TUTOR: PSAT®**

This course provides students with the opportunity to prepare for success on the PSAT®. Practice tests diagnose and target areas of opportunity, and students are prescribed individual study paths. The learning experience includes video-based instruction by highly qualified teachers, interactive assignments, and frequent assessment opportunities to track progress.

### **VIRTUAL TUTOR: GED®**

This test preparation course effectively prepares students for all sections of the GED® exam. Course content is broken into strands, allowing students to focus on each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.

### **VIRTUAL TUTOR: HISET®**

This test preparation course effectively prepares students for all sections of the HiSET® exam. Course content is broken up into strands, allowing students to focus on

each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.

### **VIRTUAL TUTOR: TASC®**

This test preparation course effectively prepares students for all sections of the TASC® test. Course content is broken up into strands, allowing students to focus on each subject extensively before moving on to the next area of study. Within each strand, a diagnostic pretest identifies students' strengths and weaknesses and tailors a personalized study plan for each test-taker.

### **VIRTUAL TUTOR: ACCUPLACER®**

This course reviews the concepts and skills essential for college readiness as measured by the Next Generation ACCUPLACER® post-secondary placement exam. In this course, students complete a diagnostic pretest for each set of skills that assesses specific areas of strength and weakness. Based on the assessment results, the student receives a personalized learning plan, providing the most efficient and effective preparation possible.

### **VIRTUAL TUTOR: ACT WORKKEYS®**

This course prepares students for the WorkKeys assessments in Applied Math, Graphic Literacy, and Workplace Documents. Each unit of instruction includes teacher-led video instruction with teachers modeling assessment items comparable to the ones students will encounter on exam day. In addition, students have ample practice opportunities, as each lesson includes multiple assignments, with each one aligned to the difficulty and cognitive processes demanded by one of the five levels of mastery on the WorkKeys assessment.

### **VIRTUAL TUTOR: ASVAB®**

This course prepares students for the Math, Verbal, and Science sections of the Armed Services Vocational Aptitude Battery. Each subject includes multiple strands, each with its own diagnostic pretest—allowing students to focus their study only on their areas of weakness. Personalized study plans based on the diagnostic results include video-based instruction, assignments and practice, and assessment to ensure that students have mastered material.



## **XIII. SUPPORT CONTACT INFORMATION**

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