



**HOPE Online Learning  
Academy**

**High School Course Catalog  
25-26 School Year**

## Core24 Graduation Pathway Course Descriptions

<b>English/Language Arts</b>	pgs. 3 - 9
<b>Math</b>	pgs. 9 - 14
<b>Science</b>	pgs. 14 - 20
<b>Social Studies</b>	pgs. 20 - 25
<b>Required Electives</b>	pg. 24
<b>Career &amp; Technical Education (CTE) Electives</b>	
Career Readiness	pgs. 25
Agriculture & Natural Resources	pgs. 25 - 27
Business & Marketing	pgs. 27 - 29
Computer Engineering & Design	pgs. 29 - 36
Construction & Architecture	pgs. 36 - 37

Health Sciences	pgs. 37 - 40
Hospitality & Tourism	pgs. 41 - 42
Human Services & Education	pgs. 42 - 44
Law Enforcement & Public Safety	pgs. 44 - 45
Public Administration and Government	pg. 45
<b>Personal Wellness Electives</b>	pgs. 46 - 48
<b>Practical Arts Electives</b>	pgs. 49 - 58
<b>General Electives</b>	pgs. 58 - 60
<b>Test Preparation Electives</b>	pgs. 60 - 61
<b>WorkForce Diploma Courses</b>	pgs. 62 - 63

## General Course Information

For each semester-long course into which the student is scheduled as of the pupil enrollment count date, the equivalent teacher-pupil instruction and contact time is 60 minutes /day per course. Courses worth 0.5 credits cover 80-90 seat hours (sh) of instructional material. Courses worth 0.25 credit cover 40-45 hours of instructional material.

Courses with PLS or PLE in course number are scaffolded versions of core content class for students with disabilities and culturally and linguistically diverse learners.

# English Language Arts

*Graduation Requirement:* 4 Credits needed in this content area, ENG and ENE Credits count toward graduation

## English Language Arts Core Courses (ENG)

### **ENG100 (A/B) - English 9**

**Credit:** .5/Semester - 80 sh ENG

**Format:** Online - Edmentum

Language Arts is the study of the creation and analysis of literature written in the English language. In English 9 A, you will study a variety of techniques to improve your reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. You will read and analyze literature in different genres as well as practice skills related to good study habits. (Credit Recovery, PLS and PLE versions available for this course)

### **ENG110 (A/B) - English 9 Honors**

**Credit:** .5/Semester - 80 sh ENG

**Format:** Online - Edmentum

**Prerequisite:** Staff recommendation,

This course is an exploration of language, literature, and composition, and is designed for the accelerated student who desires an intensive and challenging course of study. Students enrolling in Honors English 9 should already possess the ability to work independently and think critically and analytically. The course emphasizes communication as a means of personal expression, and is meant to sharpen and enhance higher-level skills in reading, writing, speaking, listening, and thinking. The course includes vocabulary development, challenging writing assignments, and a rigorous study of a wide variety of literature.

### **ENG200 (A/B) - English 10**

**Credit:** .5/Semester - 80 sh ENG

**Format:** Online - Edmentum

Language Arts is the study of the creation and analysis of literature written in the English language. In English 10 A, you will explore the different literary devices used in short stories such as subject, theme, mood, plot, and narration. You will read and analyze a variety of literary works to learn more about a particular literary device. The second unit covers many types of informational texts. In the third unit, you will read and study drama from a range of eras. You will also study a variety of techniques to improve your reading comprehension, writing skills, grammar, and mechanics. (Credit Recovery, PLS and PLE versions available for this course)

**ENG210 (A/B) - English 10 Honors****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum****Prerequisite: Staff recommendation,**

This course is an exploration of language, literature, and composition, and is designed for the accelerated student who desires an intensive and challenging course of study. See the English 10 A description for topics of emphasis. Students enrolling in Honors English 10 should already possess the ability to work independently and think critically and analytically. The course emphasizes communication as a means of personal expression, and is meant to sharpen and enhance higher-level skills in reading, writing, speaking, listening, and thinking. The course includes vocabulary development, challenging writing assignments, and a rigorous study of a wide variety of literature.

**ENG300 (A/B) - English 11****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum**

Language Arts is the study of the creation and analysis of literature written in the English language. In English 11A, you will study a variety of techniques to improve your reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. You will also read and analyze different genres in literature with an emphasis on American literary movements over time. (Credit Recovery, PLS and PLE versions available for this course)

**ENG310 (A/B) - English 11 Honors****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum****Prerequisite: Staff recommendation,**

This course is an exploration of language, literature, and composition, and is designed for the accelerated student who desires an intensive and challenging course of study. See the English 11 A description for topics of emphasis. Students enrolling in Honors English 11 should already possess the ability to work independently and think critically and analytically. The course emphasizes communication as a means of personal expression, and is meant to sharpen and enhance higher-level skills in reading, writing, speaking, listening, and thinking. The course includes vocabulary development, challenging writing assignments, and a rigorous study of a wide variety of literature.

**ENG400 (A/B) - English 12 British Literature****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum**

In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.

**ENG400B - English 12 B****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum**

In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master. (A PLE and PLS versions are available for this class)

**ENG420 (A/B) - AP English Literature and Composition****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum, including independent reading of assigned texts****Prerequisite: B or Higher in Honors level English course,**

In AP® English Language and Composition, students investigate rhetoric and its impact on culture through analysis of notable fiction and nonfiction texts, from pamphlets to speeches to personal essays. The equivalent of an introductory college-level survey class, this course prepares students for the AP exam and for further study in communications, creative writing, journalism, literature, and composition. Students explore a variety of textual forms, styles, and genres. By examining all texts through a rhetorical lens, students become skilled readers and analytical thinkers. Focusing specifically on language, purpose, and audience gives them a broad view of the effect of text and its cultural role. Students write expository and narrative texts to hone the effectiveness of their own use of language, and they develop varied, informed arguments through research. Throughout the course, students are evaluated with assessments specifically designed to prepare them for the content, form, and depth of the AP Exam. This course has been authorized by the College Board® to use the AP® designation. \*Advanced Placement® and AP® are registered trademarks and/or owned by the College Board, which was not involved in the production of, and does not endorse this product.

**ENG501 - English 12 - Capstone (Online)****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum**

This online Capstone class is a HOPE Online Learning Academy graduation requirement. The capstone project is a multifaceted assignment that serves as a culminating academic, intellectual, and personalized learning experience for students. The project must demonstrate 21st-century skills as defined by the Colorado Department of Education. Projects should also be directly related to the students' career goals and interests and ICAP (Individual Career Academic Plan). Students will create a portfolio that demonstrates evidence of career investigation, research, and development of personal, financial literacy, and presentation skills.

**ENG502 - English 12 - Capstone****Credit: .5/Semester - 80 sh ENG****Format: Online - Edmentum**

This Capstone is a HOPE Online Learning Academy graduation requirement. The capstone project is a multifaceted assignment that serves as a culminating academic, intellectual, and personalized learning experience for students. The project must demonstrate 21st-century skills as defined by the Colorado Department of Education. Projects should also be directly related to the students' career goals and interests and ICAP (Individual Career Academic Plan). Students will create a portfolio that demonstrates evidence of career investigation, research, and development of personal, financial literacy, and presentation skills.

## English Language Arts Electives (ENE)

### **ENE100 (A/B) - Literacy Resource Lab 1**

**Credit:** .25/Semester - 40 sh ENE

**Format:** Offline - Personalized Learning Teacher

Language and literacy intervention course designed to meet Individual Education and Language Learning plans, goals, and objectives.

### **ENE110 (A/B) - Language Resource Lab 1**

**Credit:** .25/Semester - 40 sh ENE

**Format:** Offline - Personalized Learning Teacher

Language and literacy intervention course designed to meet Individual Education and Language Learning plans, goals, and objectives.

### **ENE500 - NWEA MAP Literacy Growth**

**Credit:** .25/Semester - 40 sh ENE

**Format:** Offline - Online

Literacy Competency demonstration. Students will demonstrate growth on NWEA MAP Literacy Assessment from Fall to Spring

### **ENG001 - Exact Path Foundational Reading A**

**Credit:** .5/Semester - 80 sh ENE

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in English / Language Arts skills for high school English / Language Arts readiness. This course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

### **ENG002 - Exact Path Foundational Reading B**

**Credit:** .5/Semester - 80 sh ENE

**Format:** Online - Edmentum

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

### **ENG003 - Exact Path Basic Reading A**

**Credit:** .5/Semester - 80 sh ENE

**Format:** Online - Edmentum

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

### **ENG003 - Exact Path Basic Reading A**

**Credit:** .5/Semester - 80 sh ENE

**Format:** Online - Edmentum

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG004 - Exact Path Basic Reading B****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG005 - Exact Path Intermediate Reading A****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG006 - Exact Path Intermediate Reading B****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG011A - Exact Path Foundational Language Arts A****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG011B - Exact Path Foundational Language Arts B****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG012A - Exact Path Basic Language Arts A****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG012B - Exact Path Basic Language Arts B****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.



**ENG013A - Exact Path Intermediate Language Arts A****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG013B - Exact Path Intermediate Language Arts B****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The Exact Path Reading Pathway courses are designed to identify student competencies and gaps in math skills for high school math readiness. This semester course provides remediation and practice to help students achieve mastery of skills as determined by the Exact Path Reading Diagnostics.

**ENG150 - Creative Writing****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

In Creative Writing, you will learn about the scope of creative writing and its genres. You will identify the key elements of prose and poetry. You will look at writing for stage, film, and TV.

You will learn about theatrical and film techniques, as well as technical effects that are typically used in electronic media. You will look at writing for younger audiences, for advertising, and journalism. You will learn how the publishing industry works. (A PLS version is available for this class)

**ENG151 (A/B) - Journalism****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

**ENG152 - Exploration of Film / Literature Influence****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

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.

**ENG153 - Gothic Literature****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

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.

**ENG154 - Mythology & Folklore****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire as a way to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore, and see how they are still used to shape society today.

**ENG156 - Professional Communications****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

This course covers the communication overview including the communication process, elements of effective communication, and barriers to communication. This course familiarizes you with reading, writing, speaking, and listening skills needed for general communication. Professional Communications also familiarizes you with communication skills required in business organizations. These skills equip you with the ability to appear for job interviews, participate in group discussions, and solve workplace problems. You also learn about the use of technology in communication.

**ENG157 (A/B) - Public Speaking 1****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

Does the thought of speaking in front of people make you break out in hives? Maybe you want tips on how to make that first great impression? In both cases, Public Speaking 1a: Introduction may be just what you need. In this course, you will learn from famous orators, like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. You will also learn how to plan a speech, build an argument, and communicate effectively, while collaborating with others. Grab your notes and get ready to conquer public speaking!

**ENG158 - Reading/Writing for Purpose****Credit: .5/Semester 80 sh ENE****Format: Online - Edmentum**

This course will introduce you to useful, real-world information by learning to read legal, insurance, employment, and vehicle related documents. You will also explore media bias, trends in journalism, word structures, and research strategies while developing critical reading skills, outline building skills, and identifying good sources of information. This course builds life and study skills, setting you up for success as an adult and post-secondary preparation.

**WK005A - Business English A/B****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum Only**

Business English is a single-semester course designed to strengthen your ability to read and write in the workplace. The first unit introduces the business writing process. In the second unit, You will learn about writing emails and instant messages, as well as examine the role that digital media plays in business. The third unit covers how to format and write specific types of business messages.

# Math

*Graduation Requirement: 3 Credits in Mathematics (MAT or MAE)*

## Core Mathematics

### **MAT050 (A/B) - Pre-Algebra**

**Credit: .5/Semester - 80 sh MAT**

**Format: Online - Edmentum**

Mathematics is the study of patterns around us. In Pre-Algebra, Semester A, you will explore transformations and solve linear equations. You will also solve real-world problems with two linear equations. In this course, you will study and interpret functions that can help you solve problems you encounter in everyday life. In Semester B, you will study the use of scientific notation and learn to use roots appropriately. You will also plot and compare irrational numbers and simplify expressions with irrational numbers. You will also explore the Pythagorean Theorem and probability, which you can use to solve real-world problems.

### **MAT100 (A/B) - Algebra 1**

**Credit: .5/Semester - 80 sh ALG**

**Format: Online - Edmentum**

Algebra I, Semester A, is a single-semester course designed to cultivate and periodically assess your subject-matter knowledge while strengthening your mathematical skills. This course includes lessons that focus on the relationships of linear and nonlinear equations. You will learn to create, graph, and solve linear and exponential equations and inequalities. You will also use function notation to describe relationships between quantities and interpret function notation accurately to solve problems. Toward the end of this course, You will study transformations of linear and exponential functions. Semester B is a single-semester course designed to cultivate and periodically assess your subject-matter knowledge while strengthening your mathematical skills. This course includes lessons that focus on the relationship of linear, exponential, and quadratic functions. You will create, graph, and solve quadratic equations and inequalities in one or two variables. You will also add, subtract, and multiply linear and quadratic polynomials. At the end of this course, You will interpret, analyze, and build functions (Credit Recovery and PLS versions available for this course).

### **MAT110 (A/B) - Algebra 1 Honors**

**Credit: .5/Semester - 80 sh ALG**

**Format: Online - Edmentum**

**Prerequisite: Teacher recommendation,**

Algebra 1 Honors is a comprehensive course designed for students who have excelled at 8th grade math or who have taken Algebra 1 but want to strengthen their Algebra 1 skills. See Algebra 1A description for topics of emphasis. In addition to foundational skills, Honors students will be expected to demonstrate a deeper level of thinking and understanding and apply these skills to advanced real world problems.

### **MAT105 (A/B) - Financial Math**

**Credit: .5/Semester - 80 sh MAT**

**Format: Online - Edmentum**

Financial Mathematics, Semester A, is a single-semester course designed to introduce you to the basics of financial algebra. This course includes lessons that focus on planning for expenses and developing financial goals. You will learn to use algebraic expressions that model growth that's due to

interest. You will also describe investments in terms of their cost, risks, and returns. Semester B, is designed to provide insight into some advanced concepts of financial algebra. In this course, You will see how businesses achieve profits through proper financial planning. You will examine the benefits and consequences of using credit cards and taking out loans. You will also describe the procedures for filing taxes and identify taxes levied on various investments (Credit Recovery and PLS versions available for this course).

### **MAT200 (A/B) - Geometry**

**Credit: .5/Semester - 80 sh MAT**

**Format: Online - Edmentum**

Geometry is a branch of mathematics that uses logic and formal thinking to establish mathematical relationships between points, lines, surfaces, and solids. In Geometry A, you will explore rigid and nonrigid transformations of figures in the coordinate plane and use them to establish congruence and similarity of triangles and other shapes. You will also prove theorems about lines, angles, triangles, and parallelograms as well as build geometric constructions using both basic tools and modern technology. In conclusion, you will apply your knowledge of triangles as you investigate the mathematics of trigonometry. In Geometry B, you will review the volume formulas for some common solid figures as you extend your knowledge of two-dimensional shapes to three-dimensional shapes. You will also transition from primarily Euclidean geometry to analytical geometry—a segment of geometry focused on numerical measurements and coordinate algebra. You will use analytical geometry and observations to investigate the properties of circles and constructions related to circles. Geometry B closes with a study of independent and conditional probability and how you can use probability models to represent situations arising in everyday life (Credit Recovery and PLS versions available for this course).

### **MAT210 (A/B) - Geometry Honors**

**Credit: .5/Semester - 80 sh MAT**

**Format: Online - Edmentum**

**Prerequisite: Teacher recommendation,**

Honors Geometry will develop students' ability to think clearly, logically, critically, and creatively within mathematical and non-mathematical situations and will preview foundational concepts for Algebra II. See Geometry A description for topics of emphasis. This course is for the student who is willing to rise to the challenge of a more rapid pace of learning in order to have an opportunity for application and extension activities.

### **MAT300 (A/B) - Algebra 2**

**Credit: .5/Semester - 80 sh ALG**

**Format: Online - Edmentum**

Algebra is a branch of mathematics that uses symbols in place of numbers to describe and generalize relationships. You have worked with rational numbers in prior courses. In Semester A, you will perform operations and identify restrictions on rational expressions. You will also analyze and graph polynomial functions. Algebra 2 A will introduce you to a new concept: complex numbers. In Semester B, you will begin with trigonometry, the study of how the sides and angles of a triangle are related. You will examine trigonometric functions and graphs in the context of the unit circle. You will extend your understanding of lines by classifying systems of linear equations. In prior courses, you solved inequalities by graphing. Here, you will solve systems of inequalities including quadratic and absolute value inequalities that contain restrictions on the variable. You will finish Algebra 2 B by applying statistics and probability to make complex decisions. You will reach decisions based on representative sampling from a population and by creating and evaluating statistical models (Credit Recovery version available for this course).

**MAT310 (A/B) - Algebra 2 Honors****Credit: .5/Semester - 80 sh ALG****Format: Online - Edmentum**

Honors Algebra 2 is the extension and deeper development of the topics mastered in Algebra 1 as well as preparing for basic Pre-Calculus concepts. See Algebra 2 A description for topics of emphasis. Topics for emphasis include: real number concepts and skills involving fundamental operations with numbers, equations, polynomials, and rational expressions. Additionally, linear, quadratic, exponential, and logarithmic relationships and functions are further developed. Honors students will be expected to learn at a faster pace and will have the opportunity to extend the concepts through real-world applications in subjects such as physics and chemistry through activities, projects, and problem sets.

**MAT325 (A/B) - AP Statistics****Credit: .5/Semester - 80 sh MAT****Format: Online - Edmentum****Prerequisite: C or Higher in Algebra 2**

AP® Statistics is a two-semester course that gives students hands-on experience collecting, analyzing, graphing, and interpreting real-world data. They will learn to effectively design and analyze research studies by reviewing and evaluating real research examples taken from daily life. The next time they hear the results of a poll or study, they will know whether the results are valid. As the art of drawing conclusions from imperfect data and the science of real-world uncertainties, statistics plays an important role in many fields. The equivalent of an introductory college-level course, AP® Statistics prepares students for the AP® exam and for further study in science, sociology, medicine, engineering, political science, geography, or business.

**MAT405 - Probability and Statistics****Credit: .5/Semester - 80 sh MAT****Format: Online - Edmentum**

Probability and Statistics is a mathematics course that teaches two related but distinguishable disciplines. Probability is the study of the likelihood that an event will occur. For example, what is the likelihood that you will win a writing contest if there are 3,000 entries? What are the chances that you will land that lead role in the school play if 30 students audition? In statistics, you will practice the science of collecting and analyzing numerical data in order to make decisions. The study of statistics upholds that of probability. you've likely worked with both disciplines to varying degrees during your math education. In this course, you will represent and interpret data using dot plots, histograms, box plots, two-way frequency tables, and scatter plots. You will study normal distributions and distinguish between correlation and causation. You will also determine the conditional probability of two events or whether the events are independent. Using counting techniques and the rules of probability, you will calculate probabilities and use the results to make educated and fair decisions. You will evaluate several data collection techniques and statistical models, including simulations. The course closes with information on how you can use probability models to represent situations arising in everyday life that involve both payoff and risk.

**MAT500 (A/B) - Pre-Calculus****Credit: .5/Semester - 80 sh MAT****Format: Online - Edmentum**

Studying higher algebra and trigonometry leads to a better understanding of calculus. In Pre-Calculus A, you will explore and build your knowledge of inverse, trigonometric, and logarithmic functions; trigonometric identities; complex numbers; and vectors. You will also apply this knowledge to real-world situations. In Precalculus B, you will explore and build your knowledge of conic sections, matrices, sequences, induction, and probability and apply this knowledge to real-world situations. You will also study basic concepts of calculus, such as the limits of a function and area under the curve.

**MAT510A - Pre-Calculus Honors A****Credit: .5/Semester - 80 sh MAT****Format: Online - Edmentum****Prerequisite: Teacher recommendation**

Studying higher algebra and trigonometry leads to a better understanding of calculus. In Pre-Calculus A, you will explore and build your knowledge of inverse, trigonometric, and logarithmic functions; trigonometric identities; complex numbers; and vectors. You will also apply this knowledge to real-world situations.

**MAT510B - Pre-Calculus Honors B****Credit: .5/Semester - 80 sh MAT****Format: Online - Edmentum****Prerequisite: Teacher recommendation,**

Pre-Calculus encompasses the rudiments of calculus, analytical geometry, and trigonometry. In Precalculus B, you will explore and build your knowledge of conic sections, matrices, sequences, induction, and probability and apply this knowledge to real-world situations. You will also study basic concepts of calculus, such as the limits of a function and area under the curve.

**MAT520 (A/B) - AP Calculus****Credit: .5/Semester - 80 sh MAT****Format: Online - Edmentum****Prerequisite: B or Higher in Honors level Math course**

Calculus is the mathematics of change. It is used to solve complex problems that are continuously evolving and would otherwise be unsolvable with only algebra and geometry. This course is designed to prepare students to become deep mathematical thinkers. They will explore the calculus concepts of limits, differentiation, and integration as well as apply those concepts in meaningful ways. The course is split into two semesters. The first semester focuses on the concepts of functions, limits, and differentiation and their applications. The second semester builds off the first semester to focus on integrations. It will cover topics such as the definite and indefinite integrals and their applications, inverse function, and techniques for integrating.

**MAT600 (A/B) - Accounting****Credit: .5/Semester - 80 sh MAT****Format: Online - Edmentum**

This course is intended to help you familiarize yourself with the basics of accounting. This course has 15 lessons organized into four units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. Additionally, there is one Course Activity that you need to work on throughout the duration of the course. This activity is a long-term project spread over the length of the course. The due date for this activity is to be determined by the course instructor. This course covers the fundamentals of bookkeeping and financial statements. It also covers career opportunities and the key government regulations in the accounting field.

**Mathematics Electives (MAE)****MAE100 (A/B) - Math Resource Lab 1****Credit: .5/Semester - 80 sh MAE****Format: Online**

Mathematics Intervention course designed to meet Individual Education goals and objectives in mathematics. Exact Path Math Pathway Courses. These classes are designed to identify student

competencies and gaps in math skills for high school math readiness. These semester courses provide remediation and practice to help students achieve mastery of skills as determined by the Exact Path Math Diagnostic.

**MAE500 (A/B) - NWEA MAP Math Growth**

**Credit: .25/Semester - 80 sh MAE**

**Format: Online**

Literacy Competency demonstration. Students will demonstrate growth on NWEA MAP Mathematics Assessment from Fall to Spring.

**MAT000 - Exact Path Foundational Math A**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

This is an Intervention Level Math Course covering skills, standards and/or concepts for those performing below grade level 3. Must have HOPE educator approval to take this course.

**MAT001 - Exact Path Foundational Math B**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

This course is designed for students that need an intervention in math due to low skills.

**MAT003 - Exact Path Basic Math A**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

This course is designed for students that need an intervention in math due to low skills. This course covers 5th and 6th grade skills, standards and/or concepts.

**MAT004 - Exact Path Basic Math B**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

This course is designed for students that need an intervention in math due to low skills. This course covers 7th and 8th grade skills, standards and/or concepts.

**MAT007 - Exact Path Intermediate Math A**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

**MAT008 - Exact Path Intermediate Math B**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

## Science

*Graduation Requirement: 3 credits required*

### **SCI100 (A/B) - Biology**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Edmentum**

Biology, Semester A, is a single-semester course designed to strengthen your knowledge of basic biology. The first unit provides an introduction to biology and biochemistry. It focuses on the roles of and differences between plant and animal cells. In the second unit, You will learn about the functions of different organ systems. The third unit covers cell division and the role of DNA and chromosomes in passing traits from parents to offspring. Semester B is designed to strengthen your knowledge of biology concepts. The first unit focuses on the classification, characteristics and biological processes of living organisms. In the second unit, You will study evolutionary mechanisms and the impact of environmental factors on species over time. The third unit focuses on the conservation of energy as it relates to living things and different ecosystems. In the last unit, You will explore how different ecosystems are interdependent.

### **SCI110 (A/B) - Biology Honors**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Edmentum**

**Prerequisite: Teacher recommendation,**

Students will learn an enriched version of the standard biology course that will prepare them to have an opportunity to take AP Biology. See Biology description for course topics.

### **SCI105 (A/B) - Earth and Space Science**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Edmentum**

Science is the study of the natural world. It relies on experimentation and physical evidence to describe the natural events that occur around us. Earth and Space Science A begins with space. You will observe the phases of the Moon and use scientific evidence to understand how Earth, the Sun, and the Moon interact. You will also examine other celestial objects in our solar system. This course describes the history of Earth through the study of energy flow, weathering and erosion, the rock cycle, and tectonic plate movements. You will apply an understanding of the three states of matter to explain the water cycle and other systems on Earth. The course ends with a discussion of Earth's natural resources.

### **SCI106 - Junior Space Exploration**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Offline**

The Junior Space Entrepreneur Program (JSEP) and Cadet Space Explorer Program (CSEP) better prepares today's youth to secure STEAM positions within aerospace companies while providing an immersive educational experience. Embark on a complete Mars mission encompassing all the challenges that come with sending astronauts to our neighboring planet and returning them safely to the Earth. Participants will utilize newly gained knowledge of Mars and the skills taught through the Space Foundation Space Commerce to develop their own business.



**SCI115 (A/B) - Earth and Space Science Honors****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum****Prerequisite: Teacher recommendation,**

Earth and Space Science A begins with space. You will observe the phases of the Moon and use scientific evidence to understand how Earth, the Sun, and the Moon interact. You will also examine other celestial objects in our solar system. This course describes the history of Earth through the study of energy flow, weathering and erosion, the rock cycle, and tectonic plate movements. You will apply an understanding of the three states of matter to explain the water cycle and other systems on Earth. The course ends with a discussion of Earth's natural resources. Honors version of the course requires additional reading and lab project completion.

**SCI120 (A/B) - Life Science****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

Life Science deals with the study of all types of living organisms, such as microorganisms, plants, animals, and humans. The field focuses on their organization and life processes. Life Science A begins with the basic unit of life—the cell. You will discover how cells build up tissues, organs, and systems. You will study the growth and development processes of different organisms and see how genes are responsible for the traits of organisms. You will also explore natural selection and artificial selection and their effects on the genetic traits of organisms. In Life Science B, you will learn how life evolved on Earth. You will analyze fossil data to determine the evidence it provides about evolution. You will study ecosystems, the flow of energy in an ecosystem, and the various relationships in an ecosystem. In addition, you will discover the interdependence that is present in all ecosystems. At the end of the semester, You will determine the effects that humans and environmental factors have on the ecosystems and devise solutions to protect the biodiversity of ecosystems from these effects.

**SCI150 - Anatomy A/B****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

In this course students will explore the anatomy or structure of the human body. In addition to learning anatomical terminology, students will study the main systems of the body- including integumentary, skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems. In addition to identifying the bones, muscles, and organs, students will study the structure of cells and tissues within the body.

**SCI151 - Introduction to Astronomy****Credit: .5/Semester - 80sh SCI****Format: Online - Edmentum**

Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe. Semester B takes a deeper dive into the universe and develops a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

**SCI154 (A/B) - Introduction to Forensic Science****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

Fingerprints. Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, Forensic Science I: Secrets of the Dead may be for you. This course offers you the chance to dive into the riveting job of crime scene analysis. Learn the techniques and practices applied during a crime scene investigation and how clues and data are recorded and preserved. You will better understand how forensic science applies technology to make discoveries and bring criminals to justice as you follow the entire forensic process – from pursuing the evidence trail to taking the findings to trial. By careful examination of the crime scene elements, even the most heinous crimes can be solved.

**SCI155 - Forensic Science 2****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

Every time a crime is committed, a virtual trail of incriminating evidence is left behind just waiting to be found and analyzed. In Forensic Science II: More Secrets of the Dead, you'll learn even more about the powerful science of forensics and how it has changed the face of crime and justice in our world. You will learn some basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology, and find out how scientists use everything from insects to bones to help them solve crimes. Discover how advanced techniques and methodical processes can lead to catching even the craftiest criminal. The best way to battle crime these days is not with a weapon, but with science.

**SCI156 - Intro to Marine Biology****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

This course is intended to help you familiarize yourself with the knowledge and skills required for a career in marine biology. You will explore the fundamental concepts of marine biology. You will learn about the formation and characteristic features of the oceans. You will also learn about the scientific method and explore careers available in marine biology. The course will introduce you to the characteristic features of different taxonomic groups found in the ocean. You will learn about the different habitats, life forms, and ecosystems that exist in the oceans and explore the different types of adaptations marine creatures possess to survive in the ocean. You will learn about succession and the flow of energy in marine ecosystems. Finally, you will also learn about the resources that the oceans provide and the threats that the oceans face from human activities.

**SCI157 - Physiology****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

In this course, students will examine the functions of the body's biological systems--including skeletal, muscular, circulatory, respiratory, digestive, nervous, and reproductive systems. In addition to understanding the function of each system, students will learn the function of cells, blood, and sensory organs, as well as study DNA, immunity, and metabolic systems.

**SCI158 - Revolutionary Ideas in Science****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

In this course, you will trace the evolution of scientific ideas. You will discover how different civilizations in ancient times viewed the natural world. You will learn about the revolutionary contributions of various philosophers, thinkers, scholars, physicians, and scientists to the development of scientific thought. You will describe remarkable scientific inventions and discoveries that led to the emergence of various contemporary disciplines including physics, mathematics, astronomy, cosmology, chemistry, cellular biology, taxonomy, medicine, genetics, Earth science, and computer science. You will analyze and compare landmark scientific theories, models, and experiments. You will discover the importance of scientific inquiry, including the nature of questions that scientists attempt to answer. You will understand what distinguishes scientific investigation from pseudoscience. You will appreciate scientific inquiry as an ongoing and cumulative human endeavor that has been developed and refined over many centuries in many parts of the world by numerous contributors.

**SCI200 (A/B) - Environmental Science****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

In Environmental Science, Semester A, you will learn about the importance of environmental science as an interdisciplinary field. You will describe abiotic and biotic factors of an ecosystem. You will describe the importance of biodiversity for the survival of organisms and the importance of the food chain and the food web in the ecosystem. You will learn about ecological interactions and succession. You will describe the effects of climate change and different types of adaptation. Further, you will describe the steps of the water cycle, and how carbon, oxygen, nitrogen, and phosphorus cycle in the global environment. During Semester B, you will learn about the factors that affect populations. You will describe human population growth and its implications. You will describe the factors that lead to unequal distribution of natural resources on Earth. You will explain waste management. You will describe different forms of pollution, and ways to control pollution. You will describe various nonrenewable and renewable energy sources. Further, you will learn about the benefits of environmental policies and identify factors that affect sustainable development.

**SCI300 (A/B) - Physical Science****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

Science is the study of the natural world. It relies on experimentation and evidence to describe the natural events that occur around us. Physical science is the study of matter and energy. In Physical Science A, You will describe the atomic and molecular structure of substances using models. You will investigate how chemical reactions involve energy and lead to changes in properties of substances. You will also model different kinds of forces and the effect they have on the motion of objects. You will solve problems involving work and power and apply these principles to simple machines. Finally, you will see how simple machines make up more complex machines that are important in our lives. In Physical Science B, you will investigate gravitational, electric, and magnetic force fields and identify factors that determine their strength. You will apply concepts of electricity and magnetism to explain how motors, generators, and electromagnets work. You will discuss energy transformations in objects and systems, including how heat flows between objects that are at different temperatures. You will model how sound and light travel as waves and how they interact with different forms of matter. Finally, You will explore how electromagnetic waves help us communicate with one another and collect information about the universe.

**SCI305 (A/B) - Chemistry****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

Chemistry is the study of matter and how it changes. This course looks at matter's composition, properties, and transformations. In Semester A, you will explore the structure and properties of matter. You will analyze and construct the periodic table of elements. You will compare elements based on their atomic structures and relative positions in the periodic table. You will also discuss the chemical bonding taking place in ionic and covalent compounds and metals. Finally, You will predict the outcome of chemical reactions based on the reactants involved.. In Semester B, you will calculate the theoretical quantities of substances involved in a chemical reaction through the study of stoichiometry. You will analyze chemical reactions that involve aqueous solutions, acids and bases, and gasses. You will see how gasses respond to changes in pressure, volume, temperature, and quantity through the ideal gas law. You will also calculate changes in temperature caused by physical and chemical processes and analyze reactions in terms of bond energies. Finally, you will understand how atoms are changed by the unique processes of radioactive decay, nuclear fusion, and nuclear fission.

**SCI315 (A/B) - Chemistry Honors****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum****Prerequisite: Teacher recommendation,**

Honors chemistry is designed for students who have shown a proficiency in studying science and who have exhibited interest in and enthusiasm for science. See Chemistry (SCI305) for course topics.

**SCI400 (A/B) - Physics****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum**

Physics is one of the three main fields of science, along with biology and chemistry. If asked what biology and chemistry deal with, most of us can come up with a one-word answer: life and chemicals respectively. Physics though, often seems like a grab bag of topics, including motion, magnets, machines, light, sound, and electrical circuits. The common thread running through all these things is that they each illustrate some very basic mathematical laws in our physical world. In brief, physics is the scientific study of matter, energy, and their most fundamental physical interactions, including attractions, repulsions, and collisions. In Physics A, you will learn about the "basics" of physics: how to describe and analyze motion, how forces interact with matter, and how to further describe these interactions with the aid of the concepts of energy and momentum. Finally, You will explore one more specialized topic, thermodynamics, the physics of heat. During Physics B, you will use your physical understanding of motion, forces and energy and apply that knowledge to some important, specialized topics in physics: the behavior of waves, applications of wave theory to light and optics, the interaction of electrical and magnetic forces, and the special "non-Newtonian" properties of energy and matter described by quantum theory.

**SCI410 (A/B) - Honors Physics****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum****Prerequisite: Teacher recommendation,**

Honors Physics is the in depth mathematical and motion-oriented study of matter and energy. See Physics (SCI400) for Course Description.

**SCI500 (A/B) - AP Biology****Credit: .5/Semester - 80 sh SCI****Format: Online - Edmentum****Prerequisite: B or Higher in Honors level Science course,**

Biology is presented as one form of scientific inquiry, the process of channeling human curiosity into purposeful exploration, discovery, and exploration of observable natural phenomena. Biology is the

study of life, but it is most important as a shared method of asking questions all humans have about life and living things, and communicating responses to the questions in clear and understandable forms. In this blended online course (employing both online and face-to-face learning), students will be taught and encouraged to continually pose questions about the subject matter. Through exploration and discovery of the phenomenon at the core of each lesson, students will be guided to answer their own questions and be able to discuss the phenomenon in ways that reflect sound scientific practices. Biology is presented as a living process, one that carries a body of current understandings and a method of building on those understandings to either deepen them or replace them with better explanations. In particular, we will explore these eight themes identified as the focus for AP-level Biology instruction: Science as a Process Evolution Energy Transfer Continuity and Change Relationship of Structure to Function Regulation Interdependence in Nature Science, Technology, and Society.

**SCI530 (A/B) - AP Chemistry**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Edmentum**

**Prerequisite: B or Higher in Honors level Science course,**

The Advanced Chemistry course is designed around the AP Chemistry Curriculum Framework established by the College Board. The course is presented through the lens of scientific inquiry—the process of channeling human curiosity into purposeful exploration, discovery, and application of observable natural phenomena. In this course, students will grow to understand their physical world in a deep way. At the same time, an inquiry and STEM-oriented approach to chemistry offers students a shared method of asking questions about the world around them. Their experience and knowledge from this course—tied to a strong emphasis on qualitative and quantitative analysis and communication—is designed to enable them to understand important scientific and societal problems and to creatively grapple with such problems. In this blended online course (employing both online and face-to-face learning), students will be taught and encouraged to continually pose questions about the subject matter. Through exploration and discovery of the phenomenon at the core of each lesson, students will be guided to answer their own questions and will be able to discuss the phenomenon in ways that reflect sound scientific practices.

**SCI540 (A/B) - AP Computer Science**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Edmentum**

**Prerequisite: B or Higher in Honors level Science course,**

This course is intended to introduce you to the concepts of computer programming. This course has 20 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities where you will describe the basic concepts of computer programming. You will compile and run a simple Java program. You will use arithmetic, relational, and logical operators. You will implement algorithms, and use different types of loop and decision-making statements. You will create and use classes. You will create and manipulate one-dimensional and two-dimensional arrays. You will perform sequential search, binary search, selection sort, and insertion sort on an array. You will explain and implement object-oriented programming design. You will implement inheritance, polymorphism, and abstraction. Further, you will describe privacy and legality in the context of computing.

## Social Studies

**3 Credits required, including 1 credit in US History, .5 credit in Government and .5 credit in Economics**

### **SS100 (A/B) - World Geography**

**Credit: .5/Semester - 80 sh SST**

**Format: Online - Edmentum**

Geography is the study of where things are in the world. It is important to know why people settled where they did: sometimes this is for weather-related reasons, and sometimes it's because of bountiful natural resources nearby. In this course, you will learn about these special features which drive economic development and form the locales where people settle.

### **SS130 (A/B) - Contemporary World History**

**Credit: .5/Semester - 80 sh SST**

**Format: Online - Edmentum**

Contemporary World is a year-long course designed to strengthen learners' knowledge about the modern world. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this course. Learners will explore the importance of geography, the influence of culture, and the relationship humans have with the physical environment. They will also focus on the responsibility of citizens, democracy in the United States, U.S. legal systems, and the U.S. economy. Ultimately, learners will complete this course as global citizens with an understanding of how to help and better their community and the world.

### **SS125 (A/B) - Contemporary World History Honors**

**Credit: .5/Semester - 80 sh SST**

**Format: Online - Edmentum**

In World History, Semester A, You will explore major historical events around the world. In the first unit, You will develop your historical thinking skills. In the second unit, You will examine the origins and developments of European exploration. In the third unit, You will learn about the causes and effects of the Renaissance and the Reformation. In the fourth unit, You will explore revolutions that occurred from 1789 to 1848, including the Scientific Revolution, the American Revolution, and the French Revolution. In the fifth unit, You will explore the causes and effects of the Industrial Revolution, the spread of nationalism in Europe, and the Russian Revolution. In World History, Semester B, you will analyze imperialism in the late nineteenth and early twentieth centuries and examine the causes and consequences of World War I. In the second unit, You will study World War II, analyzing the factors that started the war and the impact of the war. In the third unit, You will explore the rise and fall of communism in the Soviet Union and China and learn about the Cold War between the United States and the Soviet Union. In the fourth unit, You will analyze the effects of decolonization in Southeast Asia and Africa. You will also study the modernization of China and the rise of nationalism in the Middle East. In the last unit, You will explore economic globalization and evaluate the benefits and challenges of living in the modern world.

**SS150 - Human Geography: Global Identity****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping, and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.

**SS153 - Introduction to Archaeology****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

This fascinating course explores the various techniques, methods, and theories of this field and illustrates how archaeologists conduct their studies. What is it like to uncover precious artifacts? How are they located and preserved? Find the answer to these questions and more as you learn how ancient discoveries can unlock the secrets of a long and colorful past.

**SS154 - Introduction to Anthropology****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

Uncovering Human Mysteries you will trace the history of homo sapiens and explore our evolutionary trail. This course offers an anthropological lens to observe our movement from cave dweller to modern humans. It sheds light on how we forged our way and developed all the things that make us human, such as our cultures, languages, and religions. We, as humans in the 21st century, are highly intelligent, innovative people with astounding technological ability – how did we get this way?

**SS156 - Women's Studies****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

Women's Studies is a course that is designed to help you understand the concepts of gender and gender roles, and the social discrimination that exists on the basis of gender. You will learn about the history of feminism and feminist theories. You will also learn about the social and political movements that raised awareness about equal rights for women and other marginalized groups. You will explore the role of the media in reinforcing gender stereotypes. This course also looks at the difference in the Western and non-Western ideas of gender, feminism, and activism. The course ends with a discussion on the possible challenges in the path toward creating an equal society.

**SS157 - Sociology 1: The Study of Human Relationships****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

The world is becoming more complex. How do your beliefs, values and behavior affect the people around you and the world we live in? In this increasingly connected world, students will examine problems in our society and learn how human relationships can influence the life of the student. Exciting online video journeys to different areas of the world are also presented in the course.

**SS159A- Personal Psychology 1: Self Discovery****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

Self-knowledge is the key to self-improvement! Psychology is a subject that can be applied to everyday life. New research and ideas will change the way we view ourselves and each other. This course offers exciting online psychology experiments about our own behavior and how we behave with other people.

**SS159B - Personal Psychology 2****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

Enrich the quality of your life by learning to understand the actions of others! Topics include the study of memory, intelligence, emotion, health, stress and personality. This course offers exciting online psychology experiments about the world around us.

**SS200 (A/B) - U.S. History****Credit: .5/Semester - 80 sh SST****Format: Online - Edmentum**

US History is the study of the events, people, and culture of the United States over time. In US History Semester A, you will learn about the process of historical inquiry, review the events and principles behind the founding of the United States, and then apply historical inquiry to analyze societal issues, trends, and events from the Civil War through the Great Depression. You will explore timelines to gain an understanding of how events link to each other, and You will analyze historical documents for a firsthand sense of how events unfolded. You will also gather evidence from relevant documents and historical texts in order to develop credible explanations of events in US history. You will then use that evidence to evaluate change and continuity over time by writing essays and creating presentations about broad periods of historical development.

**SS210 (A/B) - U.S. History Honors****Credit: .5/Semester - 80 sh AMH****Format: Online - Edmentum****Prerequisite: Teacher recommendation,**

US History is the study of the events, people, and culture of the United States over time. In this course you will learn about the process of historical inquiry, review the events and principles behind the founding of the United States, and then apply historical inquiry to analyze societal issues, trends, and events from

**SS255 - AP Psychology****Credit: .5/Semester - 80 sh SS****Format: Online - Edmentum****Prerequisite: Personal Psychology + Teacher recommendation****SS300 - U.S. Government****Credit: .5/Semester - 80 sh GVT****Format: Online - Edmentum**

U.S. Government is the study of the founding principles of democracy in the United States, the structures and details of how the government functions, and the role of the individual citizen in participating in that democracy. In U.S. Government, you will learn about the principles and events that led to the founding of the United States in the eighteenth century; examine how the operations of the U.S. government are spread among three branches of government and distributed between the national, state, and federal levels of government; explore the role of the individual citizen in the operations of the government; and, finally, apply these concepts to understanding the concrete areas of foreign, domestic, and economic policy. You will explore timelines to gain an understanding of how events link to each other and to the structures of government that exist today, and You will analyze historical documents for a firsthand sense of how government structures were designed. You will also gather evidence from relevant documents and historical texts to develop credible explanations of how and why the government exists as it does. You will then use that evidence to express viewpoints on the operations of government by writing essays and creating presentations about topics of relevance to modern U.S. citizens.



**SS320 AP Government****Credit: .5/Semester - 80 sh GVT****Format: Online - Edmentum****Prerequisite: B or higher in previous Social Studies Course**

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.

**SS400 - Economics****Credit: .5/Semester - 80 sh ECN****Format: Online - Edmentum**

Economics is a social science that examines how goods and services are created, consumed, and exchanged. This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the U.S. economy and analyzes the role of the government and the Federal Reserve System.

**SS520 (A/B) - AP U.S. History****Credit: .5/Semester - 80 sh AMH****Format: Online - Edmentum****Prerequisite: B or higher in previous Social Studies Course**

This online course is designed to provide learners with the opportunity to think critically and to gain factual knowledge about U.S. history. Students will learn to analyze and critique historical materials and evaluate historical interpretations presented in research. This course will help learners acquire the necessary skills to come to conclusions based on informed judgments and provide sound reasoning and evidence for those judgments. Each of the units in the course provides students with a survey of U.S. history topics in which they analyze problems and themes for each era through supplementary readings while developing and deepening their understanding of the events, people, and places that were relevant during the time period. Students will also learn to assess primary and secondary sources. This course is meant to have students think conceptually about the issues facing the United States and how those issues have influenced our history, rather than just memorizing facts and dates. Students will write often in this course in the form of both short answers and essays. These writings will require students to think critically and thoughtfully on different topics and on different interpretations of history. Students will encounter frequent prompts to analyze and interpret a wide variety of original source documents. In addition, students are asked to read the works of historians, to answer questions about how those historians present events, and to compare and analyze how the historian's approach affects readers' perceptions of the events and people involved.

**SS530 - AP Macroeconomics****Credit: .5/Semester - 80 sh AMH****Format: Online - Edmentum****Prerequisite: B or higher in previous Social Studies Course**

AP Macroeconomics is a one-semester course in which students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They also examine how individuals, institutions, and influences attract people, and how those factors can impact everyone's life through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college class, this course prepares students for the AP exam and for further study in business, political science, or history.

## General Electives

### **ADV000 - Critical Thinking Seminar ELA**

**Credit: .25/Semester- 50 sh PRA**

**Format: Offline - Face-to-Face**

During this time block, students will engage in activities to develop skills in the following: New student orientation to HOPE and online learning environment, Complex thinking, Persevering and handling rigorous tasks in math and literacy, Collaboration skills, Relationship building, Social emotional learning, Community building.

### **ADV000 - Critical Thinking Seminar Math**

**Credit: .25/Semester- 50 sh PRA**

**Format: Offline - Face-to-Face**

During this time block, students will engage in activities to develop skills in the following: New student orientation to HOPE and online learning environment, Complex thinking, Persevering and handling rigorous tasks in math, Collaboration skills, Relationship building, Social emotional learning, Community building.

### **HSADV000 (A/B) HS Force Advisory**

**Credit: .13/ Semester - 20 sh PRA**

**Format: Online - Face-to-Face** Advisory course for virtual learners who meet weekly with mentors. Weekly meetings support using their FORCE (Focus, Organization, Responsibility, Curiosity, Effort) to reach academic and personal goals. Participation in a minimum number of Social Emotional Workshops each term is also required to earn advisory credit.

### **LFS400 Life Skills(Offline)**

**Credit: .25/Semester 40 sh PRA**

**Format: Site Based - offline or synchronous online - only available at select sites**

What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself, others and help you to prepare for the future. You will explore goal setting, decision making, relationships and personal wellness.

## Career and Technical Education Electives

1.0 Credit must be earned in this category (CTE)
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These electives have been bundled together according to Career Cluster. These are recommended courses students can take if they are interested in a certain Career Pathway.

## Career Readiness

### **CTEGE100A - Career Discovery**

**Credit: .5/Semester- 80 sh CTE**

**Format: Edmentum**

Your future career is likely something You've dreamed about since you were a child. Now it's time to turn that dream into a reality! In this course, you will explore your own strengths, interests, and

preferences and use that information to uncover the best career for you! You will explore 17 career clusters, learn about the skills needed to work in different industries, and choose a path to pursue. You'll build a plan to get you from high school to your first day on the job and Craft a strong portfolio to land your perfect job. You've dreamed about your future career. Now it's time to create a plan and turn that dream into a goal!

**CON000 (A/B) - Work Study**

**Credit: .5/Semester- 0 sh CTE**

**Format: Offline & Off-Campus**

**Prerequisite: Approval from College and Career Counselor**

This elective is offline and off-campus. Students that work a part-time job while attending high school can be eligible for Work Study Credit. Students earn .25 credit for every 60 hours worked outside of school. Students must also be in good academic standing and obtain proper attendance in order to participate. A Work Study contract and employee evaluation is also required. Speak to one of our College & Career Counselors for more information and to go over the Work Study Contract. **CON400 is now a concurrent requirement for Work Study students.**

**CON400 (A/B) - Workplace / Internship Readiness**

**Credit: .5/Semester- 80 sh CTE**

**Format: Offline & Off-Campus**

**Prerequisite: Approval from College and Career Counselor**

Starting your first "real" job can be intimidating. But when you know what to expect and learn how to be successful, you'll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!

## **Agriculture, Food & Natural Resources**

**AGR100A (A/B) - Principles of Agriculture, Food, and Natural Resources Agriculture**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online Edmentum Only**

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.

**CTEANE100 (A/B) - Principles of Agriculture, Food, and Natural Resources Agriculture**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online Edmentum Only**

This 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.

**CTEANE101 (A/B) - Forest & Wildlife Careers**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online Edmentum Only**

Forestry and Wildlife Careers is a two-semester course that begins by identifying employment and entrepreneurial opportunities in forestry, wildlife, and natural resource management. Students learn

about safety hazards and procedures in the industry. They also learn about soil, mineral, paint, water, forest, and wildlife management, as well as the laws that govern these professions. In addition, students learn about the tools and practices used in forestry and wildlife management careers. Finally, they learn about the carrying capacity of rangelands and the consequences of overgrazing.

### **CTEANE110 - Introduction to Veterinary Science**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online Edmentum Only**

This 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.

### **CTEANE200 - Renewable Technologies**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum Only**

Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.

### **CTEANE300A- Biotechnology A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum Only**

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.

### **CTEANE300B- Biotechnology B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum Only**

**Prerequisite: Biotechnology 1A**

Building on the prior prerequisite course, expand your knowledge in the field of biotechnology. Explore the discovery of antibiotics and the concerns of antibiotic resistance while also examining the agricultural, pharmaceutical, and genetic applications of biotechnology. Finally, learn about the future of biotechnology to understand the depth and breadth of this field.

### **CTEANE301 (A/B) - Green Energy**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum Only**

This is a two-semester course for high school students who want to understand the rapidly growing and evolving energy field, with special emphasis on electrical energy and on new and emerging energy technologies. The course is designed to address state standards in the Energy and STEM domains as

well as the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). Unit topics include the energy industry; energy science and efficiency; electrical generation, transmission, and distribution; conventional, alternative, and emerging energy sources; health, safety, and security issues; and energy careers and pathways, from entry level to professional.

## **Business and Marketing**

### **CTEBPA101A - Entrepreneurship A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum**

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

### **CTEBPA101B - Entrepreneurship B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum**

**Prerequisite: Intro to Entrepreneurship 1A**

You have the business idea; now it's time to go from dream to reality. Throughout this course, You will explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, You will create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

### **CTEBPA103A - Business Information Management A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum**

This course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course has 20 lessons organized into five units, plus five Unit Activities. Each lesson contains one or more Lesson Activities. Additionally, there are two Course Activities that you need to work on throughout the duration of the course. These activities are long-term projects spread over the length of the course. The due dates for these activities are to be determined by the course instructor. This course will cover the needs for technology in business organizations and how businesses use hardware, software, Internet, and emerging technologies. This course also covers productivity applications such as word processing software and spreadsheet software.

### **CTEBPA103B - Business Information Management B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Online – Edmentum**

This course is intended as a practical, hands-on guide to help you understand the basic computer skills required during your college education and when pursuing a career. This course has 18 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. Additionally, there is a Course Activity that you will work on throughout the duration of the course. This activity is a long-term project spread over the length of the course. The due date for the activity is to be determined by the course instructor. This course covers the use of presentation software for preparing, enhancing, and delivering business slideshows. It also covers how databases are used to store data and improve the decision-making capabilities of business organizations. Additionally, the course covers the principles of website design and project management in business organizations.

**CTEBPA103B - Banking Services Careers****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

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.

**CTEBPA201 (A/B) - Advertising and Sales Promotion****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

What comes to mind when you think of ‘marketing’? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There’s no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately \$200 billion promoting their products and services—and that’s just in the United States alone! You may be familiar with being on the receiving end of marketing, but what’s it like on the other side? In Advertising and Sales Promotions, You’ll see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. You’ll learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry.

**CTEBPA202 (A/B) - Sports and Entertainment Marketing****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

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 will have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You will 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

**CTEBPA300A - Principles of Business and Finance A****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

This course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers in the business, marketing and finance cluster. This course has 17 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities.

**CTEBPA300B - Principles of Business and Finance B****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

This course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers in the business, marketing and finance cluster. This course has 19 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities.

## **Computer, Engineering & Design**

**CTESTA100A - Principles of Engineering and Technology A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This two-semester course is intended to help you familiarize yourself with engineering systems and technologies. The first semester has thirteen lessons organized into three units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities. It will cover the evolution of engineering and technology, careers in engineering, and engineering systems and technologies.

**CTESTA100B - Principles of Engineering and Technology B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

The second semester of Principles of Engineering and Technology is intended to help you familiarize yourself with the process of engineering design and examine manufacturing technologies and processes. It has seventeen lessons organized into four units. Each unit has a Unit Activity, and each lesson contains one or more Lesson Activities. It will cover the concepts in engineering design, manufacturing processes and materials, communication skills, and team and resource management.

**CTESTA200 (A/B) - Arts, A/V & Communications****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This two-semester course is intended as a practical, hands-on guide to help you understand the skills required for achieving success in modern-day careers in the arts, audio/video technology, and communications cluster. The course will cover various topics in the arts, audio/video technology, and communication career cluster.

**CTESTA205 - Interior Design****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

Do you have a flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and "green" options for homes and businesses. Interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily.

**CTESTA206 - Introduction to Fashion Design****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

Introduction to Fashion Design is a one-semester course intended to introduce students to the basics of fashion design. This course is designed to provide students insight on the history of fashion and its place in the modern world and to help them understand terms and concepts related to fashion. From

the inspiration for a garment to creating sketches until the final product takes shape is a long process that involves various activities such as fashion forecasting, predicting consumer demand, drafting the designer's worksheet, pricing, etc. This course has seventeen lessons and four Course Activities.

**CTESTA211A - Audio Video Production 1 A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

This course is intended as a practical, hands-on guide to help you understand the skills required to achieve success in modern-day careers. This course has 18 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various topics in audio-video production, such as camera techniques, audio techniques, lighting techniques, editing, and video assembly.

**CTESTA211B - Audio Video Production 1 B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

**Pre-Requisite: Audio Video Production 1 A**

This course is intended as a practical, hands-on guide to help you understand and apply the various techniques used in audio-video production. This course has 14 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various topics in audio-video production, such as directing techniques, editing and mastering techniques, file management and delivery formats, advanced camera and lighting techniques, and techniques for providing special effects.

**CTESTA212A - Audio Video Production 2 A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

**Pre-Requisite: Audio Video Production 1 A&B**

This two-semester course is intended to help you become familiar with Audio/Video Production. The first semester will cover the various activities performed during every stage of audio video production.

**CTESTA212A - Audio Video Production 2 B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

**Pre-Requisite: Audio Video Production 1 A&B and 2A**

The second semester of Audio Video Production 2 will cover various audio-video production activities, explore various media formats and distribution, and discuss the different critiquing techniques and media ethics.

**CTESTA213 (A/B) - Audio Video Production 3**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

**Pre-Requisite: Audio Video Production 2A or B**

Audio/Video Production 3 is a two-semester course that is designed to enable students to understand basic concepts in audio/video manufacturing. Students will learn about preproduction techniques, advanced production techniques, advance post-production techniques, mastering production techniques, mastering production techniques, special effects and animation, and audio/video careers and production laws. The course is based on Career Technical Education (CTE) standards designed to help students prepare for entry into a wide range of careers in audio/video production.



**CTESTA223A - Digital and Interactive Media A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This course is intended as a practical, hands-on guide to help you understand the concepts of digital and interactive media. This course will cover careers, training, and emerging technologies in digital media. This course familiarizes you with the concepts involved in digital media, such as graphic design, digital photography, principles of design, and digital printing. This course also covers copyright laws and fair use involved in digital media.

**CTESTA223B - Digital and Interactive Media B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum****Pre-Requisite: Audio Video Production 1 A&B and 2A**

This course is intended as a practical, hands-on guide to help you understand the concepts related to digital communication systems, audio and video production, multimedia, animation, and digital publishing. This course will cover digital communication systems. This course familiarizes you with audio and video technologies. This course also covers digital media design, multimedia, and animation. In addition, this course teaches you how to create a web page, publish digital products, and create a digital portfolio.

**CTESTA224A - Graphic Design A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This two-semester course is intended as a practical, hands-on guide to help you understand graphic design concepts, graphic image creation, and image manipulation. The first semester covers careers you can pursue in graphic design. It also covers training and skills required for a graphic designer. In addition, this course describes how to create images using color and typography and how to manipulate images. It also guides you how to create images using design elements and principles. Finally, this course covers copyright laws and ethics related to the use of graphic design.

**CTESTA224B - Graphic Design B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum****Prerequisite: Graphic Design A**

The second semester of Graphic Design will cover the advanced manipulation of images. It will guide you on how to create graphic products such as logos, posters, and magazine covers. This course also covers multimedia and digital photography. In addition, the course covers art criticism in graphic artwork, digital publishing, and the creation of a graphic design portfolio.

**CTESTA300A - Principles of Information Technology A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

Principles of Information Technology, Semester A is the first part of a two-semester course. It is designed to help you learn the basics of information technology. You will learn the fundamentals of computer systems, identify basic computer hardware components, describe input and output devices and peripheral devices, and compare different types of storage devices. You'll also learn about operating systems and application software. You will learn to install, configure, and maintain software and hardware. You will explore the internet and the World Wide Web, and various ways to communicate using the internet while minimizing security risks. You'll discuss legal and ethical issues in information technology. You'll learn to use word processors, presentation software, and spreadsheets, and learn about techniques to extract information from a database.

**CTESTA300B - Principles of Information Technology B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum****Prerequisite - Principles of Information Technology A**

Principles of Information Technology, Semester B is the second part of a two-semester course. It is designed to help you go deeper in your study of information technology. You will explore emerging technologies, multimedia applications, and computer programming concepts and programming languages. You will learn about different types of computer networks and the need for network security and administration. You will explore web development tools and web design techniques, and You will learn to use HTML to design web pages and websites. Finally, You will explore different career pathways in the field of information technology, and You will identify the key skills and certifications you will need for these careers.

**CTESTA301 (A/B) - Web Technologies****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This course is intended as a practical, hands-on guide to help you understand the concepts of website design. This course guides you how to create a website using web technologies. This course has 14 lessons organized into 4 units, plus 4 Unit Activities. Each lesson contains one or more Lesson Activities.

**CTESTA302A - Computer Programming 1 A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This course is intended as a practical, hands-on guide to help you understand the concepts and techniques associated with computer programming. This course has four Units with 15 lessons and four Unit Activities. Each lesson contains one or more Lesson Activities. This course describes the skills and training required for careers in computer programming and the work ethics required in a computing environment. This course describes number systems, data types, and functions used in computation. In addition, this course describes types of programming paradigms and program structures. Finally, this course explains how to create web pages in HTML and how to create a JavaScript program.

**CTESTA302B - Computer Programming 1 B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum****Prerequisite: Computer Programming 1 A**

This course is intended as a practical, hands-on guide to help you understand various phases of the software development life cycle (SDLC). This course has four Units with 14 lessons and four Unit Activities. Each lesson contains one or more Lesson Activities. This course describes various phases of the SDLC such as analysis, design, development, testing, and implementation. This course describes software development methodologies, various types of project plans, Unified Modeling Language (UML) design, various types of testing, and system implementation. This course also identifies various security threats and risks to computer systems and the methods to mitigate them.

**CTESTA304 - Introduction to Android Mobile App Development****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This course is intended to familiarize you with the knowledge and skills required for a career in Android mobile app development. This course has 12 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. In Introduction to Android Mobile App Development, you will learn about the history of and upcoming trends in mobile app development. You will explore career options in mobile app development, and describe the skills and training required for mobile app development. You will also describe various platforms to develop Android mobile apps. Further, you will learn about the

Android development environment. Finally, you will create the user interface of an app and make it interactive in Android Studio.

### **CTESTA305 - Introduction to iOS Mobile App Development**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

This course is intended for you to familiarize yourself with the knowledge and skills required for a career in iOS mobile app development. This course has 12 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities. In Introduction to iOS Mobile App Development, you will learn about the history of and upcoming trends in mobile app development. You will explore career options in mobile app development, and describe the skills and training required for mobile app development. You will also describe various platforms for developing iOS mobile apps. Further, you will learn about the iOS development environment.

### **CTESTA306 - Game Development**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

This one-semester elective course is intended as a practical, hands-on guide to help you understand the process of game development.

### **CTESTA310A- AF Computer Science Exploration 1**

**Credit: .25/Semester - 40 sh CTE**

**Format: Edmentum**

This course introduces students to the Amazon Future Engineer Program. CS Explorations 1 is an introductory course based on the MyCS curriculum in Scratch that empowers students to engage with computer science as a medium for creativity, communication, problem solving, and fun.

### **CTESTA310B- AF Computer Science Exploration 2**

**Credit: .25/Semester - 40 sh CTE**

**Format: Edmentum**

**Prerequisite: AF Computer Science Exploration 1**

This course introduces students to the Amazon Future Engineer Program. CS Explorations 1 is an introductory course based on the MyCS curriculum in Scratch that empowers students to engage with computer science as a medium for creativity, communication, problem solving, and fun.

### **CTESTA311 - Artificial Intelligence**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

The course Artificial Intelligence is a single-semester course that explains the evolution of Artificial Intelligence and its scope in the future. This course also describes how Artificial Intelligence is used in fields such as games, speech recognition, and computer vision. In this course, you will learn about different types of intelligent agents and their environments. You will also learn how to formulate problems and represent knowledge. The course Artificial Intelligence also covers the concepts of machine learning, natural language processing, expert systems, and robots. You will also learn about the ethics and safety issues related to artificial intelligence.

### **CTESTA315 - AF Intro to Computer Science**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

Amazon Future Engineering Program A semester or full-year course that explores a variety of basic computational thinking and programming concepts in Python through a project-based learning environment.

### **CTESTA320A - Networking Fundamentals A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

Networking Fundamentals is a two-semester course. The first semester introduces you to careers in networking as well as basic concepts in networking. You'll describe types of networks, network topologies, software-defined networking, private and public networks, as well as intranets and extranets. You'll also learn about the Internet of Things (IoT) technologies. You'll learn about networking models, networking protocols, IP addresses, and subnetting. You'll identify networking devices, cables, media, and connectors. You'll learn to install a network operating system and set up a small, wired network. Finally, you'll identify common network security threats and preventive measures to secure a network.

#### **CTESTA320B - Networking Fundamentals B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

The second semester of Networking Fundamentals focuses on network planning, administration, troubleshooting, and maintenance. You'll learn about the different phases of project management and identify important skills needed to manage a project. You'll also plan, design, and document a network. You'll learn about wireless networking standards and access methods. You'll learn to set up and secure a wireless network. You'll learn about virtual private networks and cloud computing. You'll also learn to troubleshoot issues related to wired and wireless networks. Finally, You'll identify disaster recovery methods and describe how to maintain a network.

#### **CTESTA321A - CompTIA A+ 220-1001**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

CompTIA A+ 220-1001 is a one-semester course that covers the objectives of the CompTIA A+ 220-1001 exam. This course begins by describing computer hardware parts and peripherals. You will explain network fundamentals, network hardware, and wireless networking. You will explain virtualization and cloud concepts. You will describe features of laptop and mobile devices. You will also describe how to troubleshoot issues related to hardware, networks, storage, mobile devices, and printers.

#### **CTESTA321B - CompTIA A+ 220-1002**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

CompTIA A+ 220-1002 is a one-semester course that covers the objectives of the CompTIA A+ 220-1002 exam. This course begins by describing Windows operating systems. You will explain the change management process. You will identify methods of disaster prevention and recovery. You identify security threats and describe various prevention methods. You will explain remote access methods. You will describe how to troubleshoot operating systems, security problems, and mobile application problems.

#### **CTESTA322A - CompTIA A+ N10-007 A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

CompTIA Network+ Certification (N10-007) Semester A is a one-semester course that covers the objectives of the CompTIA Network+ Certification (N10-007) exam. This course begins by describing networking concepts such as network topologies, protocols, Internet Protocol (IP) addressing, switching, and routing. You'll describe wireless technologies, virtualization, cloud computing, and network services. You'll also describe network cables and connectors, network devices, and network storage technologies.

#### **CTESTA322B - CompTIA A+ N10-007 B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

CompTIA Network+ Certification (N10-007) Semester B is a one-semester course that covers the objectives of the CompTIA Network+ Certification (N10-007) exam. This course begins by describing network documentation and best practices. You will describe network monitoring tools and remote access methods. You will explain business continuity and disaster recovery methods. You will describe the methods to secure a wireless network. You will describe the types of network attacks. You will identify various device hardening and mitigation techniques. You will describe troubleshooting methodology and tools. You will explain how to troubleshoot wired and wireless connections and network service problems.

**CTESTA323A - CompTIA Secur+ Certification SY0-601A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

CompTIA Security+ Certification (SY0-601) is a two-semester course that covers exam objectives of CompTIA Security+ certification exam SY0-601. The first semester begins by describing threat actors, social engineering attacks, security attacks, application attacks, and network attacks. You will then learn about security concerns related to various types of vulnerabilities. You will identify physical security controls. You will identify authentication and authorization methods. You will learn about cryptography and penetration testing. You will learn about enterprise environment security, cloud computing, virtualization, application development security, and embedded systems security. You will also learn about cybersecurity resilience.

**CTESTA323B - CompTIA Secur+ Certification SY0-601B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

The second semester of CompTIA Security+ Certification begins by identifying application security solutions. You will learn about secure protocols and how to design a secure network. You will learn how to secure wireless networks, mobile devices, cloud, and sensitive data. You will describe account management controls, authentication management solutions, and public key infrastructure (PKI). You will describe processes related to incidence response and incidence investigation. You will identify the tools for digital forensics. Finally, you will describe organizational security and risk management.

## **Construction & Architecture**

**CTESTS100A - Principles of Architecture and Construction A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

The Principles of Architecture and Construction is a two-semester course intended to help familiarize you with basic concepts of architecture and construction and a wide range of careers available in this field. The first semester begins by introducing foundational concepts of architecture and construction. It covers architectural drawings, structure and loads, materials, and equipment used in architecture and construction. In the first semester, you will also review career opportunities in the field of Architecture and Construction. Finally, it will explain the important workplace ethics required in this field.

**CTESTS100B - Principles of Architecture and Construction B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum****Prerequisite: Principles of Architecture and Construction A**

The second semester of The Principles of Architecture and Construction explains the use of computers, design concepts, and project management, as well as the safety, legal, and communication requirements in architecture and construction work. It begins by describing basic computer hardware and software. In the second semester, you will create enhanced documents by using word processing

software and explain the options for creating and managing spreadsheets. It also covers the key concepts of urban design and its relationship with city government. Finally, you will learn about construction documents and standards.

#### **CTESTS101A - Drafting and Design A**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

This two-semester course is intended to help you familiarize yourself with various aspects of drafting and design. The first semester covers the fundamental concepts of drafting and design, types of drafting tools, drafting conventions, sketching, and drawing techniques, types of views and projections, and basic computer-aided design and drafting (CADD) operations.

#### **CTESTS101B - Drafting and Design B**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

**Prerequisite: Drafting and Design A**

The second semester of Drafting and Design covers design and development of a prototype, different types of drawings and views, advanced computer-aided design and drafting (CADD) operations, and key professional and personal skills that are helpful in having a successful career in the field of drafting and design.

#### **CTESTS200 (A/B) - Principles of Manufacturing**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

This course is designed to help students understand various manufacturing processes, concepts, and systems, and to introduce them to the various career paths available in manufacturing. This course emphasizes STEM principles while also covering practical aspects of manufacturing such as marketing and regulatory issues, as well as issues launching and managing a manufacturing business.

## **Health Sciences**

#### **HSC100 Career Intro - Health Sciences**

**Credit: .5/Semester - 80sh CTE**

**Format: Edmentum**

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.

#### **CTEHPS100A - Principles of Health Science A**

**Credit: .5/Semester- 80 sh CTE**

**Format: Edmentum**

Principles of Health Science, semester A is the first part of a two-semester course. It is designed to help you get an overview of healthcare careers relating to therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development. You will learn about the history of healthcare in the United States, job opportunities in the five healthcare systems, the qualifications and skills required to work in the healthcare sector, and factors that are important in a workplace environment such as communication skills, knowledge of laws and ethics related to health

care, and knowledge of health and wellness. This course has 15 lessons organized into four units, plus four Unit Activities. Most lessons contain one or more Lesson Activities.

### **CTEHPS100B - Principles of Health Science B**

**Credit:** .5/Semester- 80 sh CTE

**Format:** Edmentum

**Pre-requisite:** Principles of Health Science A

Principles of Health Science, semester B is the second part of a two-semester course. It is designed to help as a practical, hands-on guide to help you understand the human body systems and learn career skills related to health care. You will learn medical terminology, human anatomy, homeostasis, and different stages of human life. You will also learn about the personal qualities and professional skills that will help you succeed in the healthcare sector. This course has 15 lessons organized into three units, plus three Unit Activities. Most lessons contain one or more Lesson Activities.

### **CTEHPS101A - Health Information Management A**

**Credit:** .5/Semester- 80 sh CTE

**Format:** Edmentum

Health Information Management is a two-semester course that is an introductory course in health information management. The first semester introduces you to the US healthcare system and the basic concepts related to health information management. First, you will learn about the US healthcare delivery system, including the types of healthcare settings, regulatory agencies, health insurance programs, and insurance claims. Then, you will be introduced to healthcare data, its components, its management, and the relevance of databases and database management systems to HIM. You will also learn about what electronic health records are and how they have grown in relevance in the US healthcare landscape. Finally, you will gain an understanding of the different information systems that HIM professionals use as part of their jobs: electronic health record (EHR) systems, clinical decision support systems, administrative systems, financial systems, and research and ancillary systems. The second semester offers you an insight into the career opportunities in health information management, as well as the opportunities for advancement and employability skills for a successful career. You will also learn about the key laws, regulations, and ethical standards that govern professionals in health information, such as the Health Insurance Portability and Accountability Act (HIPAA), the AHIMA Code of Ethics, and laws on worker safety.

### **CTEHPS101B - Health Information Management B**

**Credit:** .5/Semester- 80 sh CTE

**Format:** Edmentum

Health Information Management is a two-semester course that is an introductory course in health information management. The first semester introduces you to the US healthcare system and the basic concepts related to health information management. First, you will learn about the US healthcare delivery system, including the types of healthcare settings, regulatory agencies, health insurance programs, and insurance claims. Then, you will be introduced to healthcare data, its components, its management, and the relevance of databases and database management systems to HIM. You will also learn about what electronic health records are and how they have grown in relevance in the US healthcare landscape. Finally, you will gain an understanding of the different information systems that HIM professionals use as part of their jobs: electronic health record (EHR) systems, clinical decision support systems, administrative systems, financial systems, and research and ancillary systems. The second semester offers you an insight into the career opportunities in health information management, as well as the opportunities for advancement and employability skills for a successful career. You will also learn about the key laws, regulations, and ethical standards that govern professionals in health information, such as the Health Insurance Portability and Accountability Act (HIPAA), the AHIMA Code of Ethics, and laws on worker safety.

**CTEHPS102A - Allied Health Careers A****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

This course focuses on the health care delivery system and careers in allied health services. In semester A, students begin by learning the structures and functions of various body systems. They explore common diseases and disorders of each system and discuss strategies and factors that influence overall health and wellness. Students will also learn about medical terminology, diagnostic imaging techniques, electrocardiography, common laboratory tests, and respiratory care.

**CTEHPS102A - Allied Health Careers B****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

This semester of Allied Health Careers focuses on the skills and knowledge needed by allied health professionals in various health care fields. It also covers information concerning safety, law, and ethics in health care settings. In addition, students learn important workplace skills related to communication, teamwork, and leadership.

**CTEHPS110 - Introduction to Nursing 1****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

This two semester course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

**CTEHPS111 - Introduction to Nursing 2****Credit: .5/Semester- 80 sh CTE****Format: Edmentum****Prerequisite: Introduction to Nursing 1**

This two semester course introduces students to the field of nursing. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

**CTEHPS113A - Certified Nurse Aide A****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

The Certified Nurse Aide Semester A course is a single-semester course designed to introduce you to the topics that you must learn to take the competency evaluation to become a certified nurse aide. The course will provide you with the knowledge and skills you need to perform your duties as a nurse aide. The course consists of four units. The first unit will explain how to communicate, work in a team, and be culturally competent when working as a nurse aide. The second unit will introduce you to medical terminology, abbreviations, acronyms, symbols, and body structure and directional terminology, which will help you communicate accurately when performing your duties as a nurse aide. The third and fourth units will help you recall the different human body systems. These units will also describe disorders and diseases related to the body systems and their treatments.



**CTEHPS113B - Certified Nurse Aide B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

The Certified Nurse Aide Semester B course is a one-semester course designed to introduce you to the topics and the skills that you must learn to take the competency evaluation to become a certified nurse aide. The course will provide you with the knowledge and skills that you need to perform your duties as a nurse. The course consists of four units. In the first unit, you will learn basic nursing skills and how to best care for clients. The second unit will introduce you to different types of clients and how to provide quality care to them depending on their varying needs. The lessons in the third unit cover topics related to infection control, waste management, and cost containment. Finally, the fourth unit will introduce laws and ethics related to nurse aides and their duties.

**CTEHPS120A - Applied Medical Terminology A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This course is intended to help you familiarize yourself with the medical terminology related to the human body systems. This course has 14 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover the structure of the human body systems and their functions. It will also include medical terminology related to diseases, disorders, medical procedures, and treatment for each body system.

**CTEHPS120B - Applied Medical Terminology B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

This course is intended to help you understand the skills required to achieve success in healthcare careers. This course has 12 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities. This course will cover various topics like communication and professional skills, professional conduct and safety practices required in the healthcare field. You will also learn how to sensitively interact with culturally diverse people. You also understand how to use technology and math skills in the healthcare industry.

**CTEHPS130A - Medical Coding and Billing A****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

Medical Coding and Billing is a two-semester course that prepares high school students for a career as a medical coding and billing specialist. The topics covered in the first semester provide a strong foundation for students planning to take a certification exam, such as the Certified Professional Coder (CPC) exam or the Certified Coding Associate (CCA) exam. Unit 1 presents an overview of the US healthcare delivery system and explains what medical coders and billers do to keep this system operating efficiently. Unit 2 provides a review of medical terminology. Unit 3 provides a review of human anatomy and physiology and the different body systems. Finally, in Unit 4 you will explore careers and certification programs in medical coding and billing.

**CTEHPS130A - Medical Coding and Billing B****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

In the second semester of Medical Coding and Billing, Unit 1, you will learn to use these coding systems for medical billing: ICD-10-CM, CPT®, HCPCS, and ICD-10-PCS. You will also learn how to extract pertinent information from patient records and assign accurate codes for diagnoses, procedures, medical services, and supplies provided to patients in different settings. In the last lesson of this unit, you will examine the benefits and drawbacks of using a software program to assign billing codes. Unit 2 provides an in-depth view of the medical billing process and the steps and tasks involved in healthcare revenue cycle management.

**CTEHPS150 (A/B) - Medical Therapeutics****Credit: .5/Semester - 80 sh CTE****Format: Online Edmentum Only**

Medical Therapeutics focuses on identifying employment and entrepreneurial opportunities in medical therapeutics. Students create a career plan and develop a variety of skills related to communication, teamwork, and leadership. They also learn about laws, ethics, and workplace and equipment safety, as well as electronic health records and the health care delivery system. Students also explore the major body systems and identify common diseases and disorders of each system. Finally, students demonstrate proficiency in the use of medical terminology.

**CTEHPS160 (A/B) - Rehabilitation Careers****Credit: .5/Semester - 80 sh CTE****Format: Online Edmentum Only**

This course focuses on the skills and knowledge needed by professionals in rehabilitation therapy. Students are introduced to various careers in rehabilitation and learn about employment opportunities in this field. They learn about the anatomy and structure of the human body and common medical terminology. In addition, students will discover patient care skills, how to estimate insurance costs for patients, and safety guidelines for working in a rehabilitation career.

## **Hospitality and Tourism**

**CTEHHS101(A/B) - Principles of Hospitality and Tourism (A/B)****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. Hospitality and Tourism: Traveling the Globe will introduce you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.

**CTEHHS102 (A/B) - Hospitality and Tourism 2 B****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

Take the next steps towards an exciting and fast-paced career with Hospitality and Tourism 2b: Hotel and Restaurant Management. Build on the skills you learned in 2a and delve deeper into one of the fastest growing industries in North America. You'll learn how to open and run your own hotel or restaurant, while reviewing the laws, regulations, and financial structure that constitute restaurant operations. Hone your management, communication, and leadership skills and explore the HR policies and processes that will help guide you to source the right talent for your business. You will also learn the importance of how to market your hotel or restaurant through networking, technology, and social media.

**CTEHHS110 - Food Handler and Food Manager Certifications****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

The Food Handler and Food Manager Certifications course is a single-semester course designed to help you learn what you need to know to be successful in competency examinations for certified food handlers and food managers. The five units of the course arm you with the knowledge and skills to provide safe food to customers as a food handler or food manager.

**CTEHHS112A - Culinary Arts 1A: Intro****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

**CTEHHS112B - Culinary Arts 1B: Palate****Credit: .5/Semester- 80 sh CTE****Format: Edmentum****Prerequisite: Culinary Arts 1A: Introduction**

Did you know that baking is considered a science? Discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. Explore careers in the culinary arts for ways to channel your newfound passion! this delicious culinary adventure!

**CTEHHS114 - Restaurant Management****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.

## **Human Services and Education**

**CTEHHS200A - Human and Social Services 1A: Introduction****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human & Social Services, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

**CTEHHS200B - Principles of Human Services B****Credit: .5/Semester- 80 sh CTE****Format: Edmentum****Prerequisite: Human and Social Services 1A**

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human & Social Services, you will explore the process of helping, body, mind, and family wellness, and how you can become a

caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

### **CTEHHS201 - Intro to Coaching**

**Credit: .5/Semester- 80 sh CTE**

**Format: Edmentum**

This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition, and sports psychology, as well as safety, conditioning, and cross-training. Students will learn effective communication, problem-solving, and decision-making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics.

### **CTEHHS202 - Personal Training Career Prep**

**Credit: .5/Semester- 80 sh CTE**

**Format: Edmentum**

This course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training.

### **CTEHHS203 - Sports Officiating**

**Credit: .5/Semester- 80 sh CTE**

**Format: Edmentum**

In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

### **CTEHHS210 - Cosmetology 1: Cutting Edge**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

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.

### **CTEHHS211 - Cosmetology 2: Skin/Nail Care**

**Credit: .5/Semester - 80 sh CTE**

**Format: Edmentum**

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 Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you 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. Discover the next steps towards launching a rewarding and creative career in cosmetology.

**CTEHHS211 - Cosmetology 3A: Intro Hair****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

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 Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you 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. Discover the next steps towards launching a rewarding and creative career in cosmetology.

**CTEHHS211 - Cosmetology 3B: Advance Hair****Credit: .5/Semester - 80 sh CTE****Format: Edmentum**

Building on the prior prerequisite course, you will dive into the realm of hair styling and cutting techniques. You will explore varieties of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. You can expect to be well versed with a plethora of hair skills upon completion.

**CTEHHS300 (A/B) - Principles of Education and Training****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

This two-semester course is intended to help familiarize you with career opportunities in the education and training career cluster. The first semester covers career opportunities in the three pathways in the education and training cluster—administration, education, and professional support. In addition, the course covers personal and professional skills that are necessary for a career in this field. The second semester is intended to help familiarize you with teaching strategies as well as the importance of child growth and development for educators. It explains child development, health, nutrition, and safety requirements for children. In addition, the course covers teaching strategies as well as technologies that can aid educators.

**ECE100A - Child Development / Parenting A****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

This course covers fundamental concepts of parenting and child rearing. It also covers essential communication skills related to parent-child interaction. In addition, the course covers workplace skills, such as positive work ethics, integrity, and resource management. It also covers some recent trends in parenting.

**ECE100B - Child Development / Parenting B****Credit: .5/Semester- 80 sh CTE****Format: Edmentum**

This course explains the development, health, nutrition, and safety of children at various stages. In addition, the course covers career opportunities in the field of child care and development.

## **Law Enforcement & Public Safety**

### **CTEHPS200A - Career in Criminal Justice 1A**

**Credit:** .5/Semester - 80 sh CTE

**Format:** Edmentum

Have you ever wondered what steps take place as people move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.

### **CTEHPS200A - Career in Criminal Justice 1B**

**Credit:** .5/Semester - 80 sh CTE

**Format:** Edmentum

**Prerequisite:** Career in Criminal Justice 1A

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.

### **CTEHPS202 - Criminology: Inside the Criminal Mind**

**Credit:** .5/Semester - 80 sh CTE

**Format:** Edmentum

In today's society, crime and deviant behavior are often one of the top concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

### **CTEHPS203A - Security Fundamentals (A/B)**

**Credit:** .5/Semester - 80 sh CTE

**Format:** Edmentum

Security Fundamentals is a two-semester course that covers the basics of cybersecurity. The first semester begins by describing cybersecurity careers, work-based learning, and employability skills. You will then learn about the concepts of cybersecurity, basic computer components, and file management, types of networks, Open Systems Interconnection (OSI) model, network protocols, and IP addresses. You will learn about security threats and prevention methods. You will also learn about legal and ethical issues in cybersecurity.

## **Public Administration and Government**

**CTEBPA400 (A/B) - Principles of Public Administration****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

Are you familiar with the term “public service”? When we think about public service, our thoughts often turn to professionals such as police officers, EMTs, and firefighters. While these are well-known public servants, many others work to keep our communities safe, healthy, and productive. In this course, You'll learn about many different areas of public service including education, civil engineering, and social services. You'll also look at the requirements for public service in general as well as the specific skills needed to be successful in each area of public service. Who knows? You may even discover the career you were meant to pursue!

**CTEBPA401 - Introduction to Military Careers****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military branches— Air Force, Army, Coast Guard, Marines Corps, and Navy—and examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

**CTEBPA402 - National Security****Credit: .5/Semester - 80 sh CTE****Format: Online – Edmentum**

Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

**Personal Wellness Electives**

1.0 Credit must be earned in this category (PHY)

**PHY100 - Health****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

Everyone needs to take care of their body, but we aren't necessarily born with the knowledge of how to go about it. It's important to invest time and energy into understanding what it means to be healthy. There are many activities you can engage in which are dangerous for your long-term health, so you need to know how to identify and avoid these activities. It's also important to identify lifestyles which will lead to a longer, more enjoyable life. This course will guide you through lifestyle choices you will make which will ultimately impact your life in meaningful ways.

**PHY110 - Family Living and Healthy Relationships****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

**PHY111 - Nutrition and Wellness****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

Learn how to fuel your body, maintain your emotional and physical health, and find your way around the grocery store and kitchen in Nutrition and Wellness. This course prepares you for a healthy life and provides you with the essential skills you need to plan and make healthy and delicious meals for you, your family, and your friends. You will learn how to budget for your meals, shop for groceries, and fit cooking into a busy schedule of school, work, and other responsibilities.

**PHY113 - Drug and Alcohol Prevention****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

This course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over the counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them. The difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help.

**PHY114 - Health and Personal Wellness****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

**PHY115 - Health and Physical Education****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

You've already hit the mat and warmed up your understanding of health and fitness, but now we're going to stretch your understanding and feed your healthy habits. In this course, you will learn about the four domains of health- physical, mental, emotional, social- and their interconnection, how to set goals for healthy living, and how relationships and choices can impact your health. You'll also explore different entities and influences and their role in your daily health as well as how to build healthy communities to help you thrive. Let's continue building the foundation for well-rounded, healthy living so you can flourish: mind, body, and spirit!



**PHY200 (A/B) - Exercise Science****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

In this course students will explore concepts involving personal fitness, team sports, dual sports, and individual and lifetime sports. Students will focus on health-related fitness as they set goals and develop a program to improve their fitness level through cardio, strength, and flexibility training. In addition, they will learn about biomechanics and movement concepts, as they enhance their level of skill-related fitness. Students will learn about game play concepts and specifically investigate the rules, guidelines, and skills pertaining to soccer, softball, volleyball, tennis, walking and running, dance, and yoga. Throughout this course students will also participate in a weekly fitness program involving elements of cardio, strength, and flexibility training.

**PHY200A - Team Sports A****Credit: .5/Semester - 80 sh PHY****Format: Offline**

Team Sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one team sport. Participation on one or more of school based athletic teams including documentation of practice and game hours is required for this course. Students must be an active player on a school or club team and complete a practice and competition log that is signed off on by a coach or non-relative adult.

**PHY200B - Team Sports B****Credit: .5/Semester - 80 sh PHY****Format: Offline**

Team Sports courses provide to students the knowledge, experience, and opportunity to develop skills in more than one team sport. Participation on one or more of school based athletic teams including documentation of practice and game hours is required for this course. Students must be an active player on a school or club team and complete a practice and competition log that is signed off on by a coach or non-relative adult.

**PHY203 - Outdoor Sports****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports and do an in- depth study of hiking and orienteering, golf, and dual volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

**PHY204 - Strength Training****Credit: .5/Semester - 80 sh PHY****Format: Online – Edmentum**

This course by Carone Fitness focuses on the fitness components of muscular strength and endurance. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training

**PHY210AGA - Advanced Sports Training 1**

Credit: .5/Semester - 80 sh PHY

**Format: Online – Edmentum**

Students will receive guidance and instruction from qualified experts in Sport Specific training and expertise while also receiving individual sport and exercising guidance with an eye toward intense sport specific growth and lifelong fitness activities that maintain health and instruct on healthy decision making and goal setting.

**PHY210BGA - Advanced Sports Training 1B**

Credit: .5/Semester - 80 sh PHY

**Format: Online – Edmentum**

Students will receive guidance and instruction from qualified experts in Sport Specific training and expertise while also receiving individual sport and exercising guidance with an eye toward intense sport specific growth and lifelong fitness activities that maintain health and instruct on healthy decision making and goal setting.

**PHY212AGA - Advanced Sports Training 2A**

Credit: .5/Semester - 80 sh PHY

**Format: Online – Edmentum**

Students will receive guidance and instruction from qualified experts in Sport Specific training and expertise while also receiving individual sport and exercising guidance with an eye toward intense sport specific growth and lifelong fitness activities that maintain health and instruct on healthy decision making and goal setting.

**PHY212BGA - Advanced Sports Training 2B**

Credit: .5/Semester - 80 sh PHY

**Format: Online – Edmentum**

Students will receive guidance and instruction from qualified experts in Sport Specific training and expertise while also receiving individual sport and exercising guidance with an eye toward intense sport specific growth and lifelong fitness activities that maintain health and instruct on healthy decision making and goal setting.

**PHY300 - First Aid and Safety**

Credit: .5/Semester - 80 sh PHY

**Format: Online – Edmentum**

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

## Practical Arts Electives

2.0 Credits must be earned in this category.

**ART200 - Art History and Appreciation**

Credit: .5/Semester - 80 sh PRA

**Format: Online – Edmentum**

Art has played a significant role in every major civilization throughout the history of man. The emergence of different art forms often reflects the values that a civilization deems important: religion,

labor, love, political change, or even commerce. Since artwork and cultural values are so closely related, studying art is a compelling way to learn about the people who produced it.

**CMP100 - Keyboarding****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

This course is intended as a practical, hands-on guide to help you learn electronic communication skills required to achieve success in various careers. This course has 14 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities. Additionally, there is one Course Activity that you need to work on throughout the duration of the course. This activity is a long-term project over the length of the course. The due date for this activity is to be determined by the course instructor. This course will cover electronic communication skills with respect to computer hardware and software, keyboarding speed and accuracy, creation of business documents, and the role of the Internet.

**CMP101 - (A/B) Computing for College & Careers****Credit: .5/Semester - 80sh PRA****Format: Online – Edmentum**

Computing for College and Careers is a two-semester course that is intended as a practical, hands-on guide to help you understand basic computer skills required during your college education as well as in your career. The course covers basic computer hardware components, software applications, productivity applications such as word processing software, spreadsheet software, and presentation software, and new hardware and software technologies such as virtualization, cloud computing, green computing, and blockchain technology. It also guides you on various career options and provides guidelines on privacy, security, and ethical issues relating to software and internet use.

**ELE205 (A/B) - Academic Seminar 2A****Credit: .5/Semester - 80 sh PRA****Format: Online – Offline**

This class will provide a common curriculum for students who are in need for academic growth in order to achieve proficiency in Language Arts and Math. Through this course students will improve scores in standards based instruction. This course will provide English Language Development for all EL learners. The course develops speaking, listening, reading and writing skills in English that align with English Development standards. Use of visuals, hands on activities, gestures and concrete activities are part of the everyday seminar. Students will improve scores with small group standard based instruction. The class will build foundational skills, reteach and support concepts taught in their online courses as well as front load future material.

**ELE300 (A/B) - Trio Upward Bound 1****Credit: .5/Semester - 80 sh PRA****Format: Online – Offline**

The TRIO program is a partnership with CSU Pueblo. The course includes career exploration, college preparation and application elements. Students in the program also receive tutoring and support in needed academic areas to prepare for college.

**ELE400 (A/B) - Trio Upward Bound 2****Credit: .5/Semester - 80 sh PRA****Format: Online – Offline**

The TRIO program is a partnership with CSU Pueblo. The course includes career exploration, college preparation and application elements. Students in the program also receive tutoring and support in needed academic areas to prepare for college.

**ELE700 (A/B) - Introduction to Social Media****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Instagram, Pinterest, and more and how to use them for your benefit personally, academically, and, eventually, professionally. 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.

**ELE701 - Social Problems 1: World in Crisis****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

War, crime, poverty, global warming our world often seems full of dire warnings and predictions. How can we make sense of it all and still dare to step outside each day? Social Problems I: A World in Crisis will explore some of the biggest challenges facing our world today and prepare you to tackle them head-on. You'll learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them. Whether you want to save the world from the next pandemic or better understand the effects of the media on society, this course will help you develop a plan of action!

**FNA100 - Intro to Visual Arts****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

This course is intended for you to familiarize yourself with different types of visual arts. This course has 16 lessons and 5 Course Activities. Each lesson contains one or more Lesson Activities.

In Introduction to Visual Arts, you will trace the history of art and describe various art forms. You will identify the elements of art and examine the principles of design. You will analyze the parameters in evaluating and critiquing art. You will examine copyright laws and discuss the ethical use of art.

**FNA310 (A/B) - Professional Photography****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

This course will cover various topics in photography, such as history of photography, types of photography, types of camera, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos.

**FNA700 (A/B) - Theater, Cinema, and Film Production****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

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!

**JOU100 (A/B) - Student Newspaper****Credit: .5/Semester - 80 sh PRA****Format: Offline**

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

**JOU200 (A/B) - Yearbook****Credit: .5/Semester - 80 sh PRA****Format: Offline**

In this fun and student-driven course, students will write, design, and produce their learning center Yearbook for the school year. During this course, students pay close attention to writing style and technique as well as the production and organization of the Yearbook. Students also develop their skills in editing, writing headlines and captions, and honing their photography and digital technology skills.

**LFS400 - Relationships & Emotions A****Credit: .5/Semester - 80 sh PRA****Format: Offline**

What do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count!

**MUS100 - Music Appreciation****Credit: .5/Semester - 80 sh PRA****Format: Edmentum**

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.

**PRA - World Languages****WL001 - Spanish 1: Exam Only****Credit: 1.0/Semester - 0 sh PRA****Format: Online – Edmentum**

Students that are ELL NEP, LEP, EL Monitor or EL Exit can take this Spanish I exam in order to test out of the Spanish I World Language class. Students need to obtain an average score of 80% or higher between the two semester assessments in order to receive a passing grade.

**WL002 - Spanish 2: Exam Only****Credit: 1.0/Semester - 0 sh PRA****Format: Online – Edmentum**

Students that are ELL NEP, LEP, EL Monitor or EL Exit can take this Spanish I exam in order to test out of the Spanish I World Language class. Students need to obtain an average score of 80% or higher between the two semester assessments in order to receive a passing grade.

**WL100A - Spanish 1A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

In Spanish 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll learn to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL100B - Spanish 1B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

In Spanish 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. You will also describe various art forms, plays, concerts, and movies. You will discuss health and well-being and travel and tourism. You'll build on what you learned in the Spanish 1B course to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL103A - French 1A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

In French 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the French speaking world that the central characters of each unit are visiting. You will build on this semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL103B - French 1B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

In French 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. You will also describe various art forms, plays, concerts, and movies. You will discuss health and well-being, and travel and tourism. You'll build on what you learned in the French 1A course and communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the French-speaking world that the central characters of each unit are visiting. You will build on this semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL105A - German 1A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

In German 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German speaking world that the central characters of each unit are visiting. You will build on this semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL105B - German 1B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

In German 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. You will also describe various art forms, plays, concerts, and movies. You will discuss health and well-being, and travel and tourism. You'll build on what you learned in the German 1A course to communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German-speaking world that the central characters of each unit are visiting. You will build on this semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL110A - American Sign Language 1A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

American Sign Language 1a: Introduction 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.

**WL110A - American Sign Language 1B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

American Sign Language 1b: Learn to Sign will introduce you to more of this language and its grammatical structures. You will expand your vocabulary by exploring interesting topics like Deaf education and Deaf arts and culture.

**WL200A - Spanish 2A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum****Prerequisite: Spanish 1 A&B**

In Spanish 2A, you'll be reintroduced to Spanish in common situations, beginning with describing classes, school friends, teachers, and school supplies. You will discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employers. You will also describe daily personal routines and schedules, household chores and family responsibilities. Finally, You will discuss different types of cuisine, dining establishments, and dining etiquette. You'll build on what you learned in Spanish 1B to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL200B - Spanish 2B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

In Spanish 2B, you'll be reintroduced to Spanish in common situations, beginning with various professions and career plans for the future. You will discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. You will also describe different hobbies, activities, and crafts that people enjoy. Finally, You will discuss different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. You'll build on what you learned in the Spanish 2A course to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish-speaking world where the central characters of

each unit are visiting. You will build on this semester's work as you advance in your Spanish studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

### **WL203A - French 2A**

**Credit: .5/Semester - 80 sh PRA**

**Format: Online – Edmentum**

**Prerequisite: French 1 A&B**

In French 2A, you'll be reintroduced to French in common situations, beginning with describing classes, school friends, teachers, and school supplies. You will discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employers. You will also describe daily personal routines and schedules, household chores and family responsibilities. Finally, You will discuss different types of cuisine, dining establishments and dining etiquette. You'll build on what you learned in the French 1B course to communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the French-speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

### **WL203B - French 2B**

**Credit: .5/Semester - 80 sh PRA**

**Format: Online – Edmentum**

In French 2B, you'll be reintroduced to French in common situations, beginning with various professions and career plans for the future. You will discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. You will also describe different hobbies, activities, and crafts that people enjoy. Finally, You will discuss different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. You'll build on what you learned in the French 2A course to communicate by listening, speaking, reading, and writing in French as you internalize new vocabulary and grammar. You'll also learn about some regions of the French speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your French studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

### **WL205A - German 2A**

**Credit: .5/Semester - 80 sh PRA**

**Format: Online – Edmentum**

**Prerequisites: German 1 A&B**

In German 2A, you'll be reintroduced to German in common situations, beginning with describing classes, school friends, teachers, and school supplies. You will discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employers. You will also describe daily personal routines and schedules, household chores, and family responsibilities. Finally, You will discuss different types of cuisine, dining establishments, and dining etiquette. You'll build on what you learned in the German 1B course to communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German-speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.



**WL205B - German 2B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum****Prerequisites: German 1 A&B; German 2A**

In German 2B, you'll be reintroduced to German in common situations, beginning with various professions and career plans for the future. You will discuss traveling to various regions and the flora and fauna found in each region and describe types of trips, including road trips, camping, and ecotourism. You will also describe hobbies, activities, and crafts that people enjoy. Finally, You will discuss medical specialists, including dentists and veterinarians, and symptoms related to illness and injury. You'll build on what you learned in the German 2A course to communicate by listening, speaking, reading, and writing in German as you internalize new vocabulary and grammar. You'll also learn about some regions of the German-speaking world where the central characters of each unit are visiting. You will build on this semester's work as you advance in your German studies: everything that you learn about a language and the cultures in which it is spoken will serve as a foundation for further learning.

**WL210A - American Sign Language 2A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum****Prerequisite: American Sign Language 1 A&B**

Building upon the prior prerequisite course, emphasis in this course is placed upon comprehension and signing. Learners will also continue to establish their communication skills and foster their understanding of deaf culture. In addition to learning classifiers, glossing, and mouth morphemes, students will explore vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

**WL210B - American Sign Language 2B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum****Prerequisite: American Sign Language 1 A&B; ASL 2A**

Building upon the prior prerequisite course, students will increase their proficiency by learning about sequencing, transitions, role-shifts, and future tenses. Students will learn how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristic of this course.

**WL300A - Spanish 3A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum****Prerequisites: Spanish 1 A&B; Spanish 2 A&B**

In Spanish 3A, you'll be reintroduced to Spanish in common situations, beginning with various daily routines, describing friends and family, childhood memories and activities, and childhood hopes and aspirations. You will discuss and describe art, such as paintings and sculptures, and literature, such as novels and novellas, and give reactions and form opinions about art and literature. You will also understand the process of selecting and applying to a university, aspirations at the university, and dealing with leaving home and moving into a dormitory. Further, you will describe university life and expectations from the university experience. You will explore the dynamics and challenges of multiethnic and developing societies, environmental and social issues, causes and possible resolutions, and learning about unfamiliar countries using technology. Finally, You will discuss current events reported in the media, different types of classified and other types of advertisement in the media (both print and online), the sections and supplements of a newspaper or magazine, and various jobs available in the media.

**WL300A - Spanish 3B****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum****Prerequisites: Spanish 1 A&B; Spanish 2 A&B**

In Spanish 3B, you'll be reintroduced to Spanish in a variety of situations, beginning with multiculturalism, bilingualism, cultural influences on traditions, customs, food, and social experiences, and legends and folklore from different cultures. You will discuss and describe genres of music, poetry, drama, and short stories, and proverbs from different cultures. You will also explore how geographical features affect the weather, and how the geography and weather affect the clothing, food, and livelihoods of the local population. You will also understand the history of Venezuela and how the Spanish conquerors and indigenous people shaped the culture of the country, and You will learn about the South American independence movement, including some significant freedom fighters and their struggles to win independence. You will also discuss religions practiced in Argentina, the cultural icons of the country and how they compare to cultural icons from other countries, sports and activities in Argentina, some national symbols, such as the gauchos, and idioms and sayings from Argentina. Finally, You will discuss types of wildlife and natural and agricultural resources found in Costa Rica, the human resources of the country that help overcome economic and natural disasters, and how to write formal and informal letters to share experiences.

**WL303 (A&B) - French 3****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum****Prerequisites: French 1A&B; French 2A&B**

Students further deepen their understanding of French by focusing on the three modes of communication: interpretive, interpersonal, and presentational. Each unit consists of a variety of activities which teach the students how to understand more difficult written and spoken passages, to communicate with others through informal speaking and writing interactions, and to express their thoughts and opinions in both formal and informal spoken and written contexts. Students should expect to be actively engaged in their own language learning, use correct vocabulary terms and phrases naturally, incorporate a wide range of grammar concepts consistently and correctly while speaking and writing, participate in conversations covering a wide range of topics, respond appropriately to conversational prompts, analyze and compare cultural practices, products, and perspectives of various French speaking countries, read and analyze important pieces of literature, and take frequent assessments where their language progression can be monitored. The course is conducted almost entirely in French. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

**WL401 (A&B) - AP Spanish Language/Culture A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

Spanish Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communication skills. The course prepares students for the AP Spanish Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience and is conducted almost exclusively in Spanish. In addition, all student work, practices, projects, participation, and assessments are in Spanish. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. In addition, students participate in a forum where they are able to share their opinions and comments about various topics and comment on other students' posts.

**WL403 (A&B) - AP French Language/Culture A****Credit: .5/Semester - 80 sh PRA****Format: Online – Edmentum**

French Language and Culture is an advanced language course in which students acquire proficiencies that expand their cognitive, analytical, and communicative skills. The course prepares students for the AP French Language and Culture Exam. It uses as its foundation the three modes of communication (interpersonal, interpretive, and presentational) as defined in the Standards for Foreign Language Learning in the Twenty-First Century. The course is designed as an immersion experience requiring the use of French exclusively. The online learning coach only uses French to communicate with students. In addition, all the reading, listening, speaking, and writing is in French. The course teaches language structures in context and focuses on the development of fluency to convey meaning. Students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. The course contains a forum where students share their opinions and comments about various topics and comment on other students' posts.

## General Electives

4-7 Credits must be earned in this category, students who take additional courses in core content will need to take fewer elective courses.

**CON110 (A/B) - Teacher Assistant****Credit: .5/Semester - 80 sh ELE****Format: Offline**

This elective offers students the opportunity to assist mentors and teachers in preparing, organizing, or helping with course curricula or to assist other staff members in fulfilling their duties. Students may provide tutorial or instructional assistance to other students or assist with basic, everyday duties. Students can apply to serve as a Teacher Assistant at the Learning Center. Qualifying students can earn a maximum of 1 credit over the course of all 4 years. In order to be considered the following criteria must be met:

- Enrolled as an 11th or 12th-grade student who is on track to graduate
- Maintain passing grades and 90% attendance
- Log hours to equal one period per day (coaching hours can count for TA hours)
- Teacher Assistant Plan of Work, including a consistent schedule and tasks that will be completed

**ELE002 (A/B) - GT/HIP Enrichment Lab A****Credit: .25/Semester - 40 sh ELE****Format: Offline**

An offline class identified as gifted/talented students.

**ELE100 - Philosophy: The Big Picture****Credit: .5/Semester - 80 sh ELE****Format: Edmentum**

Go on an exciting adventure covering over 2,500 years of history! Along the way, You'll run into some very strange characters, like the dirty barefoot man who hung out on street corners pestering everyone with questions, or that eccentric fellow 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 world's most brilliant and influential thinkers and originated the fundamental ideas of Western civilization. Introduction to Philosophy: The Big Picture asks some of the same questions these great thinkers

pondered, so 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.

**ELE101 - Introduction to World Religions**

**Credit: .5/Semester - 80 sh ELE**

**Format: Edmentum**

This course is intended to familiarize you with the origins, history, beliefs, and practices of various prominent world religions, primal religions, and contemporary religious movements.

**ELE105 (A/B) - Academic Seminar 1**

**Credit: .5/Semester - 80 sh ELE**

**Format: Offline**

This class will provide a common curriculum for students who are in need for academic growth in order to achieve proficiency in Language Arts and Math. Through this course students will improve scores in standards based instruction. This course will provide English Language Development for all EL learners. The course develops speaking, listening, reading and writing skills in English that align with English Development standards. Use of visuals, hands on activities, gestures and concrete activities are part of the everyday seminar. Students will improve scores with small group standard based instruction. The class will build foundational skills, reteach and support concepts taught in their online courses as well as front load future material.

**ELE106 (A/B) - Concurrent Enrollment Academic Seminar 1A**

**Credit: .5/Semester - 80 sh ELE**

**Format: Offline**

Students must be enrolled in at least one or more concurrent college courses. Students will receive the personalized support from learning site staff to be successful in their concurrent course including tutoring, strengthening learning skills, navigating collegiate process and independent study time.

**ELE107 - Wilderness Experience**

**Credit: .25/Semester - 40 sh ELE**

**Format: Edmentum**

The Wilderness Experience course is designed to introduce students to an experientially-based education program that focuses on individual growth and interpersonal relationships. Students will plan and participate in a 3-day wilderness trip held at Long Scraggy Ranch (1.5 hours outside of Denver) The course will focus on risk-taking, leadership, community building, outdoor recreation and wilderness retreat operation/work experience.

**ELE110 - Academic Success**

**Credit: .5/Semester - 80 sh ELE**

**Format: Edmentum**

This one-semester elective course is intended as a practical, hands-on guide to help you improve your study habits and enhance your prospects for academic success, now and in the future.

**HSADV000A (A/B) - HS Force Advisory**

**Credit: .125/Semester - 20 sh ELE**

**Format: Online or Face-to-Face**

Advisory course for virtual learners who meet weekly with mentors. Weekly meetings support using their FORCE (Focus, Organization, Responsibility, Curiosity, Effort) to reach academic and personal goals.

**IND101 (A/B) - Independent Study 1****Credit: .5/Semester - 80 sh ELE****Format: Offline**

Miscellaneous—Independent Study courses, typically organized as a mentorship with a teacher or outside professional, enable students to conduct investigations related to their field(s) of interest. Note: if the particular subject area is known, use the code associated with the Independent Study course within that subject area.

**IND201 (A/B) - Independent Study 2****Credit: .5/Semester - 80 sh ELE****Format: Offline**

Miscellaneous—Independent Study courses, typically organized as a mentorship with a teacher or outside professional, enable students to conduct investigations related to their field(s) of interest. Note: if the particular subject area is known, use the code associated with the Independent Study course within that subject area.

**LFS100 - Personal Finance****Credit: .5/Semester - 80 sh LFS****Format: Edmentum**

This course is intended to help you familiarize yourself with the basic and essential concepts of personal finance. This course has 15 lessons organized into three units. Each unit has a Unit Activity and each lesson contains one or more Lesson Activities. Additionally, there is one Course Activity that you need to work on throughout the duration of the course. This activity is a long-term project spread over the length of the course. The due date for this activity is to be determined by the course instructor. This course covers the fundamentals of personal finance, role of consumers in the economic system of the United States, financial planning in personal life, ways to manage finances, and different investment strategies. It also covers various career options available in the field of personal finance. (A Credit Recovery version is available for this class.)

**SEN100 (A&B) - Student Leadership / Senate****Credit: .5/Semester - 80 sh ELE****Format: Offline**

Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.

**SEN200 (A&B) - Youth Action Council****Credit: .5/Semester - 80 sh ELE****Format: Offline**

Students will participate in the Pueblo based Youth Action Council. Students will complete a year-long philanthropic process that includes a community needs assessment, fundraising, and grant making

## Test Preparation Electives

**TTP301 - Test Prep-SAT® Reading****Credit: .5/Semester - 80 sh ENE****Format: Online - Edmentum**

The SAT Reading course was developed by aligning Plato Courseware with the topics assessed on the 2016 SAT. Each unit aligns to one or more topics within the 2016 SAT. This course focuses on the study of different reading strategies and vocabulary skills for fictional, informational, and persuasive texts. In this course, you will find a variety of lessons and activities to enhance your knowledge of these strategies.

**TTP302 - Test Prep-SAT® Writing**

**Credit: .5/Semester - 80 sh ENE**

**Format: Online - Edmentum**

The SAT Writing Course was developed by aligning Plato Courseware with the topics that are assessed on the 2016 SAT. Each unit aligns to one or more topics within the 2016 SAT. This course focuses on the study of different writing strategies and language skills. In this course, you will find a variety of lessons and activities to enhance your knowledge of these strategies.

**TTP303 - Test Prep-SAT® Mathematics**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

The SAT Mathematics course was developed by aligning Plato Courseware with the strands and topics that are assessed on the 2016 SAT. Each unit aligns to one or more topics within the 2016 SAT. This course focuses on the study of algebraic problem solving skills and concepts related to geometry, probability, and statistics. In this course, You will find a variety of lessons and activities to improve your knowledge and skills in these areas.

**TTP501 - Test Prep-GED® Mathematics**

**Credit: .5/Semester - 80 sh MAE**

**Format: Online - Edmentum**

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.

**TTP502 - Test Prep-GED® Reading**

**Credit: .5/Semester - 80 sh ENE**

**Format: Online - Edmentum**

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.

**TTP503 - Test Prep-GED® Science**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Edmentum**

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.

**TTP504 - Test Prep-GED® Social Studies**

**Credit: .5/Semester - 80 sh SCI**

**Format: Online - Edmentum**

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.

# Workforce Readiness Diploma Courses

## **WK001 - ACT WorkKeys® Applied Math**

**Credit:** .5/Semester - 80 sh MAE

**Format:** Online - ACT Curriculum

ACT WorkKeys Applied Mathematics—Leveled aligns to the ACT WorkKeys test for Applied Mathematics. The course is divided into five units, labeled 1 through 5, with each unit corresponding to one of the five levels (3 through 7) of the ACT WorkKeys Applied Mathematics test. This course will help you develop mathematical skills with real-world applications that will be beneficial in the workplace. Some of these mathematical skills include working with fractions, decimal numbers, percentages, ratios, rates, unit conversions, perimeter, area, volume, statistical concepts, and a few out-of-the-ordinary concepts, such as finding the best deal and determining where and how mistakes occur. Each lesson carefully explains concepts in an easy-to-understand manner.

## **WK002 - ACT WorkKeys® Graphic Literacy**

**Credit:** .5/Semester - 80 sh MAE

**Format:** Online - ACT Curriculum

ACT WorkKeys Graphic Literacy will help you understand how to locate, identify, and analyze information in graphics, which are key skills expected in the workplace today. The lessons within each unit of this course target the essential concepts assessed on the ACT WorkKeys test for Graphic Literacy. The graphics used in the test vary in complexity and density of information.

This single-semester course is divided into four units. In the first and second units, which correspond to levels 3 and 4 of the test, you will focus on identifying information in simple graphics. In the third unit, which corresponds to level 5, You will interpret advanced graphics. In the last unit, which corresponds to levels 6 and 7, you will use the information found in complex graphics to interpret a trend or pattern. Each lesson carefully explains concepts in an easy-to-understand manner. Activities and tests will help you practice what you've learned.

## **WK003 - ACT WorkKeys® Workplace Docs**

**Credit:** .5/Semester - 80 sh ENE

**Format:** Online - ACT Curriculum

ACT WorkKeys Workplace Documents is a single-semester course that focuses on the skills You will use to read and write documents while at work. These documents, which range from basic to complex, include emails, letters, directions, signs, bulletins, policies, websites, contracts, and regulations. This course is divided into five units that teach skills that increase in both difficulty and complexity to mirror the Workplace Documents assessment.

## **WK005A - Business English A**

**Credit:** .5/Semester - 80 sh ENG

**Format:** Online - Edmentum

Business English is a single-semester course designed to strengthen your ability to read and write in the workplace. The first unit introduces the business writing process. In the second unit, You will learn about writing emails and instant messages, as well as examine the role that digital media plays in business. The third unit covers how to format and write specific types of business messages.

## **WK005B - Business English B**

**Credit:** .5/Semester - 80 sh ENG

**Format:** Online - Edmentum

Business English is a single-semester course designed to strengthen your ability to read and write in the workplace. The first unit introduces the business writing process. In the second unit, You will learn about writing emails and instant messages, as well as examine the role that digital media plays in business. The third unit covers how to format and write specific types of business messages.

**WK006 - Teamwork**

**Credit: .5/Semester - 80 sh WFD**

**Format: Online - ACT Curriculum**

Students will learn collaborative behaviors and strategies that support the accomplishment of workplace team tasks and goals. The course also provides support for building relationships with co-workers.

**WK007 - Workplace Observation**

**Credit: .5/Semester - 80 sh WFD**

**Format: Online - ACT Curriculum**

Students will learn how to observe, follow, understand, and evaluate the observation of workplace processes, demonstrations, and other workplace procedures. This course prepares students for the Workplace Observation of the WorkKeys Assessment.

**WK008 - Workplace Applied Tech - Electricity**

**Credit: .5/Semester - 80 sh WFD**

**Format: Online - ACT Curriculum**

Students will learn basic principles and skills in four areas of technology: electricity, mechanics, fluid dynamics, and thermodynamics. With a focus on reasoning, not math, examinees solve problems without calculations or formulas. This course prepares students for the Applied Technology portion of the WorkKeys Assessment.

**WK009 - Workplace Applied Tech - Mechanics**

**Credit: .25/Semester -40 sh WFD**

**Format: Online - ACT Curriculum**

Students will learn basic principles and skills in mechanical operations. With a focus on reasoning, not math, examinees solve problems without calculations or formulas. This course prepares students for the Applied Technology portion of the WorkKeys Assessment.

**WK010 - Workplace Applied Tech - Fluid Dynamics**

**Credit: .25/Semester - 40 sh WFD**

**Format: Online - ACT Curriculum**

Students will learn basic principles and skills in four areas of technology: electricity, mechanics, fluid dynamics, and thermodynamics. With a focus on reasoning, not math, examinees solve problems without calculations or formulas. This course prepares students for the Applied Technology portion of the WorkKeys Assessment.

**WK011 - Workplace Applied Tech - Thermodynamics**

**Credit: .25/Semester - 40 sh WFD**

**Format: Online - ACT Curriculum**

Students will learn basic principles and skills in thermodynamics. With a focus on reasoning, not math, examinees solve problems without calculations or formulas. This course prepares students for the Applied Technology portion of the WorkKeys Assessment.