



**Course Catalog**  
**2018-2019**  
**High School**

## Bible

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**All students in grades 9<sup>th</sup> -12<sup>th</sup> have the option to participate in our Dual Credit Bible Program through Colorado Christian University to earn College Credits.**

### **Foundations of Faith 1 and 2**

This course provides a foundation of faith to guide students toward a more holistic understanding of the Christian belief. Following the footsteps of the gospel of John, students will begin by examining the philosophical framework of reality and faith in the context of a metaphysical understanding of reality, truth, faith, fantasy, belief, and worldview. Students will examine the basic beliefs of Christ-centered Theists in comparison and contrast to other major philosophical worldviews. Students will determine the trustworthiness and whether or not it is reasonable to believe that the bible is the revealed Word of God, the trustworthiness of Genesis and identify through the examination of the bible specific theological beliefs of a Christ-centered Theist. This course provides a survey of the Bible in its progressive unfolding of the history of redemption against the backdrop of creation and sin.

**Prerequisites: n/a**

**Credits: 1.0**

### **Spiritual Formations**

This course will emphasize Christ's invitation to follow Him. Students will understand that Jesus is our model of spiritual maturity and that He invited us to follow His model for spiritual transformation. Students will understand the significance of each of Christ's major invitations in the process of transformation and learn how to identify and apply each invitation personally to their daily lives and in the context of community. Throughout the eight units of the course students are invited to personalize their response to Christ's invitation: "Follow Me, and I will make you fishers of men (Matt 4:19).

**Prerequisites: Foundations of Faith 1 and 2**

**Credits: 1.0**

### **Leadership, Evangelism, and Discipleship**

This course combines the study of the gospel of Mark and the book of Acts to illustrate Christ's principles for leading in the context of a small group of disciples and the principles of leadership in the early church. Students also study additional New Testament letters to identify how to lead themselves and others in the context of contemporary culture. Class discussion is centered on the practicing the habits and skills needed to reflect Christ within our circles of influence.

**Prerequisites: Spiritual Formations**

**Credits: 1.0**

### **Life of Christ**

This course will emphasize Christ's invitations to love and deny with the emphasis placed on personalizing our relationship with Christ and moving from a follower to a friend. Students will examine the life of Christ to gain a more full perspective and understanding of the person and work of Jesus Christ. Throughout the course students are invited to personalize their response to Christ's compelling questions, "Who do you say that I am?" (Matt 16:15).

**Prerequisites: Leadership, Evangelism, and Discipleship**

**Credits: 1.0**

### **Philosophy and Theology**

This course combines the study of the basic philosophy of the nature of reality and Christ-centered theology with the exploration of the highly influential works of G.K. Chesterton, C.S. Lewis, and J.R.R. Tolkien, including Orthodoxy, Mere Christianity, The Great Divorce, and selections from The Silmarillion, The Hobbit, and Lord of the Rings. Students also study original works from world-renowned philosophers such as Plato and Nietzsche. Class discussion is centered on becoming a "real Christian" and choosing to make one's faith personal, dynamic, active, and joy-filled.

**Prerequisites: Life of Christ**

**Credits: 1.0**

### **Doctrine and Apologetics**

Students will study major doctrines pertaining to the nature and existence of God, evil, and humankind. Students will examine the doctrines of Scripture as the source of truth and the church as the body of Christ. Students will understand and apply these doctrines in the context of reflecting and communicating their faith in a contemporary culture of competing worldviews.

**Prerequisites: Philosophy and Theology**

**Credits: 1.0**

### **Culture and Culture**

Students will begin in the book of Genesis and examine God's eternal mission for the earth as the golden thread through the canon of Scripture. Students will study the book of Acts and examine the transformative nature of the Christ-centered church as God continued to reveal His mission across cultures. Students will be challenged to examine the Scripture and apply biblical principles to the cultural challenges of their generation. Students will develop and articulate a personal apologetic that will address contemporary cultural issues within the context of community and in their specific circles of influence.

**Prerequisites: Doctrine and Apologetics**

**Credits: 1.0**

## Mathematics

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### Mathematics

#### Algebra 1

Algebra 1 is foundational to future math courses and life skills. It is the beginning course in higher mathematics. Algebraic concepts are developed with the goal of developing reasoning and problem-solving skills so that students can apply these concepts outside of the math classroom. The course covers the basic elementary algebraic concepts, beginning with the study of number relations and going through applying fractions. Other algebraic topics covered through the year include working with algebraic expressions; writing, reasoning with, and solving single variable equations and inequalities; working with rational expressions and polynomials; graphing linear equations, solving equations and inequalities graphically; solving systems of equations and inequalities (two-variables); and exponents and radicals. Students will apply real life applications to each objective they learn, displaying mastery of the content.

**Prerequisites: Pre-Algebra**

**Credits: 1.0**

#### Geometry

Geometry course is designed to build the special structure of figures using reasoning in a mathematical proof. This course will concentrate on the understanding, mastery, and application of the properties of geometric figures. Students will investigate two dimensional shapes and their properties. Vocabulary, theorems, and postulates are used to prove the concepts that are being studied. The relationship between points, lines, circles, and arcs are evaluated. Students will use basic inductive and deductive reasoning is used in solving basic proofs. A mastery of constructing, classifying, and identifying polygons, circles, and angles is accomplished. Algebra 1 is heavily emphasized and incorporated as students form and solve equations using geometric properties and work with geometric figures on the coordinate plane. Students are able to see the application of mathematical concepts and the importance of Geometry in everyday life.

**Prerequisites: Algebra 1**

**Credits: 1.0**

## **Honors Geometry**

Honors Geometry is logic-based mathematics. This course is designed to build the special structure of geometry using reasoning in a mathematical proof. Students will investigate two and three dimensional shapes. Vocabulary, theorems, and postulates are used to prove the concepts that are being studied. The relationship between points, lines, circles, and arcs are evaluated. Understanding deductive and inductive reasoning is used in solving proofs. This course will be heavily theoretical in the sense that it requires students to understand and complete rigorous proofs that will begin to develop the logical thinking and mathematical intuition necessary to be successful in higher-level mathematics. A mastery of constructing, classifying, and identifying polygons, circles, and angles is accomplished. Through this course, students are able to see the application of mathematical concepts to real life situations and the importance of Geometry in everyday life. The building of complex thinking skills provides a foundation for future mathematical studies.

**Prerequisites: Honors Algebra 1**

**Credits: 1.0**

## **Algebra 2**

Algebra 2 is designed for students to conceptualize, analyze, and identify relationships among functions. This course builds on concepts learned in Algebra 1 and Geometry by extending linear algebra and coordinate geometry concepts to other functions and systems of equations. Algebra 2 is a continuation of properties and rules developed in Algebra 1. Students will develop proficiency in analyzing and solving quadratic functions using complex numbers. Students will investigate and make conjecture about absolute value, rational, exponential, and logarithmic functions algebraically, numerically, and graphically, with and without a graphing calculator. Students will extend their algebraic skills to compute with rational expressions and rational exponents. Students will analyze statistical data and apply concepts of probability using permutations and combinations. Students will apply mathematical skills and make meaningful connects to real-world applications.

**Prerequisites: Algebra 1, Geometry**

**Credits: 1.0**

## **Honors Algebra 2**

Honors Algebra 2 is a continuation of properties and rules developed in Algebra 1. This course consolidates algebraic skills and develops an understanding of how to handle a variety of complex problems with Algebra. Included are polynomial equations and functions, linear and quadratic inequalities, systems of linear equations and inequalities, powers, radicals, quadratic functions, exponents, rational functions, irrational and complex numbers, and coordinate geometry. In addition, students will study arithmetic and geometric sequences and series, conic sections, and matrices. At the end of the course, logarithmic functions will also be introduced. Students will apply real life applications to each objective they learn, displaying mastery of the content.

**Prerequisites: Honors Algebra 1, Honors Geometry**

**Credits: 1.0**

## **Algebra and Trigonometry**

Algebra and Trigonometry takes the foundations of polynomial functions learned in Algebra II and extends those ideas into even more complex subjects such as inverse functions, radical functions, exponential growth and decay functions, logarithmic functions, and trigonometric functions. By learning, modeling, and graphing these functions, students discover ways to analyze and present intricate and specialized data in a consistent way. Through the course's study of trigonometry, students will investigate the special properties of triangles and discover how those concepts can be used to solve the properties of any given triangle.

**Prerequisites: Algebra 1, Geometry, Algebra 2**

**Credits: 1.0**

## **Pre-Calculus**

Pre-Calculus is designed to deepen knowledge and understanding of polynomial, exponential, rational, logarithmic, and trigonometric functions and their graphs. Heavy emphasis will be placed on developing a thorough understanding of trigonometry and its various applications. This course covers the basics of parametric equations, polar equations, and conic sections. Emphasis will be placed on developing strong intuition and mathematical maturity that is necessary for students to be prepared for Calculus. The mastery of algebraic skills will be further enhance through work and graphing done by hand. However, heavy use will also be made of graphing calculators to supplement the mathematical understanding and to further develop mathematical intuition.

**Prerequisites: Algebra 1, Geometry, Algebra 2**

**Credits: 1.0**

### **Honors Pre-Calculus**

Pre-Calculus is designed to deepen knowledge and understanding of polynomial, exponential, rational, logarithmic, and trigonometric functions and their graphs. Heavy emphasis will be placed on developing a thorough understanding of trigonometry and its various applications. This course covers the basics of parametric equations, polar equations, and conic sections. Emphasis will be placed on developing strong intuition and mathematical maturity that is necessary for students to be prepared for Calculus. The mastery of algebraic skills will be further enhanced through work and graphing done by hand. However, heavy use will also be made of graphing calculators to supplement the mathematical understanding and to further develop mathematical intuition.

**Prerequisites: Honors Algebra 1, Honors Geometry, Honors Algebra 2**

**Credits: 1.0**

### **Honors Calculus**

Calculus is designed to give students a solid foundation in differential Calculus and a good introduction to integral Calculus in order to prepare them to take Calculus in college. This course further develops the Pre-Calculus curriculum and integrates basic topics in calculus including limits and differentiation. Mastery of algebraic skills necessary for the computation of derivatives and problem solving skills will be emphasized. Students will incorporate technology by conducting calculations with graphing calculators to further develop mathematical intuition. Upon completion of this course, students should be well prepared for the rigor of a calculus course at college level.

**Prerequisites: Pre-Calculus**

**Credits: 1.0**

### **AP Calculus AB**

AP Calculus AB is a fast-paced, in-depth, college level course designed to prepare students to take the AP Calculus AB Exam. The course will cover both differential and integral calculus and their various applications with significant depth. Concentration on thorough hand-written work and effective use of the graphing calculator will further enhance conceptual and computational understanding of derivatives, integrals, and the applications of both. A solid foundation in algebra, elementary functions, and trigonometry is assumed in the presentation of the material and essential for success in this course. Students will be instructed as to the format of the AP Exam and given practice with types of questions presented on it. Students taking AP Calculus AB should do so with anticipation of its rigor and with the intention of placing out of a comparable college calculus course.

**Prerequisites: Honors Pre-Calculus or meet required criteria/placement**

**Credits: 1.0**

## Science

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### Science

#### **Biology**

Biology introduces the students to the wonders of God's biological creation of living organisms especially in the human physiology. Students will learn the language of biology, how to apply tools to investigate biology through laboratory study, and how to use their knowledge of biology to methodically analyze data and solve subject related issues. Exploration of biology will include atoms, molecules, cells, tissues, organs, organ systems, and organisms to populations, communities, and the biosphere. Students will understand the biological concepts needed to understand life and to make decisions about many spiritual and ethical matters related to organisms.

**Prerequisites: n/a**

**Credits: 1.0**

#### **Chemistry**

Chemistry is the study of the building blocks that make up God's creation. Chemistry demonstrates how those building blocks interact with each other and the laws that govern those interactions. This course will guide students in investigations of atomic theory, chemical composition and reactions, stoichiometry, gases, thermodynamics, kinetics, and more. The course promotes analytical thinking and inductive problem-solving skills through many exciting chemistry experiments.

**Prerequisites: n/a**

**Credits: 1.0**

#### **Physics**

In Physics, students apply and combine science and mathematics in order to discover exactly why and how matter and energy interact. This course demonstrates hands-on interactions with the subject matter. The format takes the conceptual concepts and ties in Algebra 1 and Geometry content, maximizing the students' critical thinking and understanding of the everyday world. Topics include mechanics, sound and light, electricity and magnetism, atomic and nuclear physics. Heavy emphasis will be placed on Mechanical Physics. A basic understanding of physics will enable students to appreciate the world around them as they begin to understand the natural processes at work. This course is designed to give students insight to the world around them by studying the foundational laws that God established for His creation. Although Physics is not taught as a math course, it does require the application of many mathematical principles.

**Prerequisites: Algebra 1, Algebra 2 or concurrent enrollment in Algebra 2**

**Credits: 1.0**



### **AP Physics 1**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

**Prerequisites: Algebra 1, Algebra 2 or concurrent enrollment in Algebra 2, or meet required criteria/placement**

**Credits: 1.0**

### **Anatomy and Physiology**

Anatomy is the study of the body's internal and external structures while physiology studies the function of those structures, both singularly and in conjunction with one another. Students will learn to use the language of anatomy and physiology, use the tools of anatomy and physiology in the laboratory, and use their knowledge to methodically analyze data and solve problems. This Anatomy and Physiology course covers all the bodily systems that play a major role in human anatomy. This course focuses on how the structure of the human body relates to its overall function. Students study the circulatory, respiratory, digestive, nervous, endocrine, urinary, reproductive, integumentary, skeletal, and muscular systems. Additionally, students will gain an understanding of human anatomy and physiology both in health and disease. The laboratory portion of this class includes dissection of whole mammals, dissection of parts of mammals, and physiologic testing of fellow classmates.

**Prerequisites: Biology**

**Credits: 1.0**

### **AP Biology**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes—energy and communication, genetics, information transfer, ecology, and interactions.

**Prerequisites: Biology and Chemistry**

**Credits: 1.0**

### **AP Chemistry**

The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

**Prerequisites: Biology, Chemistry, and Algebra 2**

**Credits: 1.0**

**English 9: Fundamentals of Literature/ Grammar and Composition**

The ninth grade Literature and Composition course combines oral and silent reading of selected material to enhance critical reading skills. Through the use of questioning the author's purpose and intent, the student will be able to engage in the text and gain a better understanding of the material presented. Students learn the structure and parts of a sentence to develop better writing habits, and practice paragraph unity and coherence. This process allows the student to enhance their writing skills and effectively communicate materials to others in an educated, but effective way. This course begins to establish foundational skills. Literature reading in this class will include, but not limited to: *A Day No Pigs Would Die*, *Captains Courageous*, and *The Pearl*.

**Prerequisites:** n/a

**Credits:** 1.0

**Honors English 9: Fundamentals of Literature/ Grammar and Composition**

The ninth grade Honors Literature and Composition course requires a more advanced level of critical reading ability and composition skills than the standards course, evidenced on tests and projects completed. Honors English 9 combines oral and silent reading of selected material to enhance critical reading skills. Through the use of questioning the author's purpose and intent, the student will be able to engage in the text and gain a better understanding of the material presented. Students learn the structure and parts of a sentence to develop better writing habits, and practice paragraph unity and coherence. This process allows the student to enhance their writing skills and effectively communicate materials to others in an educated, but effective way. This course begins to establish foundational skills. Literature reading in this class will include, but not limited to: *A Day No Pigs Would Die*, *Captains Courageous*, and *The Pearl*

**Prerequisites:** must be placed

**Credits:** 1.0

**English 10: Elements of Literature/ Grammar and Composition**

World Literature and Composition course presents the reading skills to study and interpret literature, and the composition skills to effectively communicate with others. Investigation of world literature and prescribed selections lead students to develop stronger comprehension skills and understand of a Christian worldview. Exploring the structure and patterns of literature from around the world helps readers recognize the methods used by skilled writers to obtain deeper meaning in reading and to attempt emulation of these practices when writing. Learning to recognize standardized grammatical structure provides a model to follow for improved worldwide communication, and studying grammar terminology gives a basis for discussing writing concepts. Literature reading, but not limited to: *Romeo and Juliet*, *Julius Caesar*, *The Crucible*, *Animal Farm*, and *Frankenstein*.

**Prerequisites: English 9**

**Credits: 1.0**

**Honors English 10: Elements of Literature/ Grammar and Composition**

Honors World Literature and Composition course requires a more advanced level of critical reading ability and composition skills than the standards course, evidenced on tests and projects completed. Honors English 10 presents the reading skills to study and interpret literature, and the composition skills to effectively communicate with others. Investigation of world literature and prescribed selections lead students to develop stronger comprehension skills and understand of a Christian worldview. Exploring the structure and patterns of literature from around the world helps readers recognize the methods used by skilled writers to obtain deeper meaning in reading and to attempt emulation of these practices when writing. Learning to recognize standardized grammatical structure provides a model to follow for improved worldwide communication, and studying grammar terminology gives a basis for discussing writing concepts. Literature reading, but not limited to: *Romeo and Juliet*, *Julius Caesar*, *The Crucible*, *Animal Farm*, and *Frankenstein*.

**Prerequisites: Honors English 9**

**Credits: 1.0**

### **English 11: American Literature/ Grammar and Composition**

The eleventh grade American Literature and Composition presents the reading skills to study and interpret literature, and the composition skills to effectively communicate with others. Investigation of American Literature and prescribed selections lead students to develop stronger comprehension skills and understand of a Christian worldview.

Exploring the structure and patterns of literature from around the world helps readers recognize the methods used by skilled writers to obtain deeper meaning in reading and to attempt emulation of these practices when writing. Learning to recognize standardized grammatical structure provides a model to follow for improved worldwide communication, and studying grammar terminology gives a basis for discussing writing concepts. Literature reading in this class will include, but not limited to: *Narrative of the Life of Frederick Douglass*, *The Scarlet Letter*, *Fahrenheit 451*, *The Old Man and the Sea*, *To Kill a Mockingbird*

**Prerequisites: English 10**

**Credits: 1.0**

### **English 12: British Literature/ Grammar and Composition**

English Literature and Composition presents the reading skills to study and interpret literature, and the composition skills to effectively communicate with others.

Investigation of British Literature and prescribed selections lead students to develop stronger comprehension skills and understand of a Christian worldview, as well as the history of the language. Exploring the structure and patterns of literature from Great Britain helps readers recognize the methods used by skilled writers to obtain deeper meaning in reading and to attempt emulation of these practices when writing. Learning to recognize standardized grammatical structure provides a model to follow for improved worldwide communication, and studying grammar terminology gives a basis for discussing writing concepts. Literature reading will include British short stories, plays, novels, essays, and poetry by chronological periods. Some selections include, but not limited to: *Macbeth*, *Robinson Crusoe*, *The Hound of the Baskervilles*, *The Strange Case of Dr. Jekyll and Mr. Hyde*

**Prerequisites: English 11**

**Credits: 1.0**

**All students in grades 11<sup>th</sup> -12<sup>th</sup> have the option to participate in our Dual Credit American Literature Program through Colorado Christian University to earn College Credits.**

### **Dual Credit American Literature**

American Literature presents the reading skills to study and interpret literature, and the composition skills to effectively communicate with others. Investigation of American Literature and prescribed selections lead students to develop stronger comprehension skills and understand of a Christian worldview. Exploring the structure and patterns of literature from around the world helps readers recognize the methods used by skilled writers to obtain deeper meaning in reading and to attempt emulation of these practices when writing. Learning to recognize standardized grammatical structure provides a model to follow for improved worldwide communication, and studying grammar terminology gives a basis for discussing writing concepts. Literature reading in this class will include, but not limited to: *Narrative of the Life of Frederick Douglass*, *Fahrenheit 451*, *The Old Man and the Sea*, and *To Kill a Mockingbird*

**Prerequisites: Honors English 10 or meet required criteria/placement**

**Credits: 1.0**

### **Dual Credit British Literature**

British Literature presents the reading skills to study and interpret literature, and the composition skills to effectively communicate with others. Investigation of British Literature and prescribed selections lead students to develop stronger comprehension skills and understand of a Christian worldview, as well as the history of the language. Exploring the structure and patterns of literature from Great Britain helps readers recognize the methods used by skilled writers to obtain deeper meaning in reading and to attempt emulation of these practices when writing. Learning to recognize standardized grammatical structure provides a model to follow for improved worldwide communication, and studying grammar terminology gives a basis for discussing writing concepts. Literature reading will include British short stories, plays, novels, essays, and poetry by chronological periods. Some selections include, but not limited to: *Macbeth*, *Robinson Crusoe*, *The Hound of the Baskervilles*, *The Strange Case of Dr. Jekyll and Mr. Hyde*

**Prerequisites: Honors English 10 or meet required criteria/placement**

**Credits: 1.0**

### **AP English Literature and Composition**

AP English Literature/Composition is designed for students who enjoy reading, analyzing, and discussing literature and who wish to develop collegiate-level critical thinking and writing skills. Students will learn to thoughtfully and appreciatively read literature from a variety of time periods and genres and understand how writers use language to create complex, surprising, and moving literary works. In addition, students will develop critical thinking skills and to employ them to write effectively in a variety of formats, including expository, persuasive, and analytical essays. AP English literature and Composition is a college-level course and will move at a faster pace than other English courses. It will prepare students to take the AP English Literature and Composition Exam. Literature reading in this class will include, but not limited to: *A Lesson before Dying*, *Hamlet*.

**Prerequisites: Honors English 10 or meet required criteria/placement**

**Credits: 1.0**

### **AP English Language and Composition**

The AP English Language and Composition course is designed to help the student to become a skilled reader of a variety of texts as well as becoming a skilled writer. The students will achieve this through awareness of the interactions among a writer's purposes, audience expectations, and subjects, as well as the ways that writing rules and language use contribute to effective writing. Skill in writing proceeds from the awareness of your own composing processes: the way you explore ideas, reconsider strategies, and revise your work. This experience of the process of composing is the essence of the first-year college writing course. In addition to engaging in varied writing tasks, students will read and become acquainted with a wide variety of prose styles from many disciplines and historical periods. Due to the increasing importance of graphics and visual images in texts published in print and electronic media, students will learn to analyze images as they relate to written texts and serve as alternative forms of texts themselves. Using research materials and synthesizing information from various sources are integral parts of the AP English Language and Composition course. Students will learn to evaluate the legitimacy and purpose of sources used.

**Prerequisites: Honors English 10 or meet required criteria/placement**

**Credits: 1.0**

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## History

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### **World History**

World History guides students through the story of history from the dawn of civilization to the present world. Students are encouraged to explore the past and delve into the twists and turns of world history through relevant activities and class discussions. World History explores and develops the student's biblical worldview by studying the history from the Hebrews, Greeks, Romans, Advent of Jesus Christ, the Early Church, the Middle Ages, Renaissance and Reformation, the Age of Exploration, the making of Modern Europe, the Industrial Age, and on into the 21<sup>st</sup> Century. The text emphasizes how a Christian worldview affects the study of history, illustrating the crucial nature of viewing history through the lens of the Bible. World History provides a survey of history essential to future study.

**Prerequisites: n/a**

**Credits: 1.0**

### **United States History**

United States History recounts the story of our nation's history from its discovery and colonization up to the present day. Special attention is given to God's providence and America's Christian heritage. This high school level history course is presented in an engaging narrative style and seeks to bring United States history to life. This class will follow how faith in God shaped the American people.

**Prerequisites: n/a**

**Credits: 1.0**

### **American Government**

American Government discusses the principles and mechanics of a constitutional republic. This course provides insight on a variety of topics such as the three branches of government, political parties, elections, foreign policy, and more, all from a biblical perspective. This course will build from previous knowledge History and develop a practical framework of government. This course also incorporates a study of world geography, international network of commerce and politics, as well as the various examples of world governments. A thorough study of US heritage, its application in society, and the understanding of leadership from a biblical and secular framework. Also included is an in-depth consideration of the political history and governmental operations of the State of Maryland, including examination of county and municipal government operations.

**Prerequisites: n/a**

**Credits: 1.0**

### **Honors Human Geography**

The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Upon successful completion of this course, students will be able to interpret maps and analyze geospatial data, understand and explain the implications of associations and networks among phenomena in places, recognize and interpret the relationships among patterns and processes at different scales of analysis, define regions and evaluate the regionalization process, characterize and analyze changing interconnections among places.

**Prerequisites: meet required criteria/placement**

**Credits: 1.0**

### **AP Government and Politics**

In AP Government and Politics, students will survey the history, development and current status of American government and political institutions. Current issues facing the American government will be analyzed to understand how America's political system crafts legislation and policy. Students successfully completing this course will know important facts, concepts, and theories pertaining to U.S. government and politics. Students will understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures). This course analyzes and interprets basic data relevant to U.S. government and politics (including data presented in charts, tables, and other formats). Students will be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum. The acquisition of a thorough, systematic comprehension of government and politics requires students to learn facts, concepts and understand political processes and the bureaucracy. AP United States Government is a college-level course and will move at a faster pace than other History courses.

**Prerequisites: meet required criteria/placement**

**Credits: 1.0**



### **AP Human Geography**

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Upon successful completion of this course, students will be able to interpret maps and analyze geospatial data, understand and explain the implications of associations and networks among phenomena in places, recognize and interpret the relationships among patterns and processes at different scales of analysis, define regions and evaluate the regionalization process, characterize and analyze changing interconnections among places.

**Prerequisites: meet required criteria/placement**

**Credits: 1.0**

### **Economics**

Economics course emphasizes free enterprise capitalism in a free market economy. After learning the biblical views of work, wealth, and stewardship, students can understand the proper economic roles of individual producers and consumers, as well as the role of the government from a Christian perspective. Essential concepts such as competition in the marketplace and private ownership of capital are discussed.

**Prerequisites: n/a**

**Credits: 0.5 – 1 semester**

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## Foreign Language

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### **Spanish 1**

Spanish 1 provides an introduction to the Spanish language and many Spanish cultures. Students develop listening, reading, speaking, and writing skills in a cultural context. The basic structure and syntax of the language is developed. Grammar is taught directly and practiced in each of the skill areas. Students will comprehend elementary spoken Spanish, develop and apply simple grammatical concepts, and read and write novice Spanish sentences and paragraphs using a wide range of vocabulary.

**Prerequisites:** n/a

**Credits:** 1.0

### **Spanish 2**

Spanish 2 focuses on increasing the level of skills acquired in Spanish 1. This course provides a deeper look into the Spanish language and many Spanish cultures. Students speak the language with greater proficiency by interacting through dialogue, class discussions, and supplementary materials. Grammar is taught directly and practiced in each of the skill areas. Students will comprehend intermediate spoken Spanish, develop and apply intermediate grammatical construction through the reading and writing of Spanish sentences and paragraphs by using a wide range of vocabulary.

**Prerequisites:** Spanish 1

**Credits:** 1.0

### **Spanish 3**

Spanish 3 focuses on furthering skills acquired in Spanish 2. This course builds an in-depth level of the Spanish language. Each Spanish 3 student will enhance the communicative skills through oral presentations and use of grammar. While in class, students will only speak with skilled proficiency by interacting through dialogue, class discussions, and supplementary materials. Grammar is developed through more complex writing assignments. Students will use a variety of grammatical constructions and usage.

**Prerequisites:** Spanish 2

**Credits:** 1.0

### **Spanish 4**

Spanish 4 teaches students to communicate on a variety of topics using complex structures in Spanish. Students will move from concrete to more abstract concepts in their writing and communication skills. By the end of this course, students will have the ability to discuss Spanish topics related to contemporary events and issues.

**Prerequisites:** Spanish 3

**Credits:** 1.0

## Senior Capstone

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God has given each senior unique gifts and perspectives. Southern Maryland Christian Academy strives to ensure that every senior who graduates out of our program uses those gifts and perspectives to reach others for Christ. Each senior has two options that they may direct their focus for the Senior Capstone Program: Service or Arguments.

**Option A:** SMCA's Senior Service Capstone places great emphasis on looking beyond one's own needs and focusing on the needs of others. Students will recognize a problem within the surrounding community. Students will formulate a solution to service the need. Once the formulation of the proposed service has been thoroughly researched and a plan is in place, students will implement the proposed solution through active participation in the implementation within the community. After the implementation, students will reflect on the implementation, providing even further solutions that can be weaved into the community. The purpose of the Service Capstone is to explore the student's God given gifts, abilities, and passions and impact society for our Savior.

**Option B:** SMCA's Senior Controversial Capstone places great emphasis on students understanding a problem surrounding a modern controversial issue that our community, nation, or the world is facing. Students will fully research to understanding the issue identified to begin developing arguments supporting or opposing the issue. Students will then evaluate both views behind the arguments and begin weaving their biblical worldview into the logical fallacies behind opinion to begin to recognize moral, ethical, philosophical perspective when developing their own opinion regarding the issue. Once recognition from various lenses is established, students will begin constructing arguments supporting their own opinion based on their research and biblical compass. Those opinions will be tested during a related job shadowing, where students have the opportunity to put their opinions in real-world applications. The purpose of the Senior Capstone is for students to know how to develop, understand, evaluate, and construct arguments to defend their biblical worldviews in a secular world.

**Prerequisites: Senior  
SMCA Graduation Requirement**

## High School Electives

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### Fine Arts

#### **Visual Experience 1 and 2**

The Visual Experience is a comprehensive introductory visual art program for grades 9–12 that integrates art criticism, aesthetics, art history, and art production. The Visual Experience is an engaging program that balances in-depth content with meaningful opportunities to create and contemplate art. Throughout the course students use multiple studio experiences that can be easily incorporated or adapted to meet the needs of various ability levels of all students.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

#### **Discovering Art History**

Discovering Art History is an in-depth, comprehensive approach to art. The program includes an extensive survey of Western art, studies of non-Western art, as well as an introduction to art appreciation. Engaging studio activities throughout the course are directly connected to content. This outstanding art history program will show students how the visual arts serve to shape and reflect ideas, issues, and themes from the time of the first cave paintings to the twenty-first century.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

#### **Exploring Visual Design**

Exploring Visual Design is a dynamic introduction to design appreciation and exploration using the elements and principles of design. This course will provide students with a solid foundation in visual concepts and processes. Exploring Visual Design highlights artworks with wide-ranging subject matter from notable historic and contemporary artists and cultures. This course includes an engaging, relevant Studio Experience and Career Profile.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Music Appreciation**

Music appreciation course will provide students with experiences that foster a basic understanding of music theory and connections between the music performed during historical periods from the Middle Ages to the present. Students will leave this course, with a basic musical vocabulary, knowledge of some of the great musicians of past eras such as Bach, Mozart, Beethoven, and Stravinsky, and connections with music and historical time periods. They will also be able to identify musical styles from listening to examples of music from the Middle Ages through the present. Bring classical music back into the lives of teenagers!

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Drama**

Drama is designed to teach students about theatre arts and how they can support, reinforce, and enrich our lives. This course is based primarily to develop foundational acting skills. Students will develop principles, methods, and philosophies of theater. Students learn movement, vocalization, and characterization. Students will perform various arrays of performances that include plays, improvisation, reader's theatre, impromptu, and pantomime scenes. Students will be exposed various arrays of drama productions. Through activities, students will learn physical and vocal presentation skills and develop basic knowledge of the theatre arts. Drama I focuses on developing first, the actor.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Stage and Guild Preparation**

The success of every production depends as much on what goes on behind the scenes as what takes place on stage. That's where the stage crew comes in: designing and building sets, working out lighting, and dreaming up costumes that not only look the part, but work well for the actors. To learn the ropes, Stage Guild and Preparation course focuses on everything from scenic design & lighting to stage make-up and mask making. The nuts and bolts of Theatre begins with Stage and Guild Preparation.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

## English Electives

### Journalism

Journalism introduces students to the exciting world of print, online, and broadcast media. Students will investigate major units of study: reporting, writing, editing, photography, advertising, design, management, and teamwork. In addition, students will have the opportunity to use computer-aided publishing tools and other hands-on production tools as well as modern photo techniques. The course may provide students insights into the field of journalism. Throughout modern history, people have depended on the mass media to spread the word about events and people of interest to the general public. Students will have a hands on application by participating and contributing towards the SMCA newspaper.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### Creative Writing

Creative writing is designed to aid students in their creative expression, as well as delivery of one's writing. This course is designed as a writing workshop. It explores the elements of fiction and poetry through analyzing different genres of fiction and poetry. Students will read and discuss poetry, stories, and articles on the craft of writing. Students will read and evaluate the effectiveness of fiction of varying styles. Students will learn poetic vocabulary and read interpret poems of varying styles. During this course, students are encouraged to improve writing skills through creating and revising poetry, short stories, and creative nonfiction. Students will write and workshop each other's poetry throughout the course. Student work culminates in a final portfolio in which students will demonstrate the ability to convey experience and meaning in their writing.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### Informative and Argumentative Speech

Confident public speaking, creativity, and ensemble work are skills that will help students become aware of themselves and how they are perceived by others. Experience is the key to developing good speaking skills, which is why students need practice speaking to one another, both in small groups and before large audiences. This course presents the art of everyday speech in a friendly, conversational style. Students master telephone courtesy, introductions, personal testimonies, group discussion and debates, parliamentary procedure, pantomime, monologue, poetry, storytelling, and devotionals. An abundance of speaking exercises, group projects, and selections for interpretation provide opportunities for practice and performance.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Greek and Roman Mythology; European and World Mythology**

Myths can be viewed as a reflection of the ideals and values of a culture. This course studies the legends, myths, and folktales of many different cultures throughout the ages as depicted in art, literature, and drama. Although myths of any culture in the world can be studied, some of the more common include those of Greek, Roman, Egyptian, Norse, African and Asian cultures. This course is designed for the student interested in World Mythology and the role it has played – and continues to play – in society. Overall, this course will include: Creation myths and traditional hero myths from various cultures such as Greece, the Middle East, the Far East, and the Americas; discussion of male and female roles in mythology; analysis of myths' purpose(s), function(s) and characteristics cross-culturally; awareness of the presence of mythology within our own culture; comparisons of myths; and a basic understanding of common and notable gods and goddesses.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit each – 1 semester each**

### **Technology Electives**

#### **Keyboarding and Document Processing**

Students must be prepared for a lifetime of technology skills. This class introduces keyboarding skills that promote success with innovative solutions updated to reflect today's business challenges. Students will use an array of activities that reinforce the most important skills for keyboarding success. Throughout this course, students tap into the latest keyboarding technology, learn to master computer applications using Microsoft Office, and increase communication skills with relevant activities. Students will combine keyboarding skills with cybersecurity, e-mail, database, electronic presentations, spreadsheets, and advanced word document processing. This course will encompass cross-curricular themes that will reinforce skills and enhance learning in other disciplines: Arts and Literature, Social Studies, Science and Math, Environment and Health, and Technology. All skills learned will prepare students to excel in college as well as today's business environment.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Computer Science Essentials**

Designed to be the first computer science course for students who have never programmed before, ICS is an optimal starting point for future Computer Science programs. Students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Computer Science Principles**

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.

**Grades: 9-12**

**Prerequisites: Computer Science Essentials**

**Credits: 1 Credit – 2 semester**

### **Yearbook**

The yearbook course has been designed to provide students with the journalism skills and the ability to apply those skills to the actual production of the yearbook. Units of study include teamwork, responsibility, brainstorming, content, coverage, concept, reporting, writing, headlines, captions, editing, photography, typography, design, graphics, finances, yearbook campaigns, advertising, and distribution. Actual work results in the current volume of the school's yearbook. The publication strives to maintain a tradition of excellence in which the school and the community can take pride.

**Grades: 9-12**

**Prerequisites: Journalism preferred**

**Credits: 1 Credit**



### **Introduction to Engineering**

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

**Grades: 9-12**

**Prerequisites: Algebra 1 or concurrent enrollment**

**Credits: 1 Credit**

### **Physical Education and Health Electives**

#### **Physical Education**

Physical Education provides students with essential knowledge related to cooperation, teamwork, participation, intense effort, and the importance of a healthy lifestyle. Students will transition past elementary forms and an emphasis on skill-related and sport-specific activity will be developed. Students are introduced to variety of team sports and their individual roles within the framework of team play. Throughout the course, heavy emphasis will be placed on students to distinguish between ethical and unethical behaviors during team competition. Students will learn how to incorporate healthy habits such as sufficient rest, exercise, and good nutrition into daily routines. This will enable students to readily identify the different fitness components including: cardio-respiratory conditioning, muscular strength, endurance, flexibility, and body composition.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: 1 Credit**

#### **Weight Training**

Students will be able to improve muscular strength, endurance, and tone through activities in the weight room. Students will do some routines designed by instructor, and some specific routines based on individual goals or objectives. Students will be learning some major muscles, bones, and joints. Class will cover strength, cardio endurance, flexibility, speed, agility, quickness and power. This class will help students prepare for more advanced training for athletics, as well as teach guidelines for strength training as a lifestyle.

**Grades: 10-12**

**Prerequisites: 1 General Physical Education Credit**

**Credits: .5 Credit – 1 semester**

### **Health and Nutrition**

Health teaches students the wonders of the human body and encourages them to establish good health practices which affect total wellness. The recurring thrust is the importance of establishing lifelong habits which affect total wellness. Students learn that a responsible action is one that is moral, safe, healthy, legal, and in accord with their parents' rules or guidelines. Thought-provoking questions motivate students to make Biblically sound personal decisions regarding their own health actions. This course will good eating habits, heighten safety awareness, and help each student learn to respect others and to properly care for his body. Students will apply concepts that encouraging them to take more responsibility in caring for their own health. Health is a course that is relevant and uses up-to-date information regarding such topics a physical fitness, personal appearance, human anatomy and physiology, eating for energy, drug abuse, safety, disease, first aid, mental and spiritual health, and social behavior.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Math and Business Electives**

#### **Family and Consumer Science**

Your students will enjoy this practical introduction to Family Science and Consumer Science. Students will learn about all the importance practical aspects of running a home. Topics covered will include family life, nutrition, meal management, etiquette, manners, interpersonal relationships, child care, housing, food preparation, healthy living, clothing selection and care, sewing and craft skills, as well as consumerism.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

#### **Financial Literacy**

Personal finance is part knowledge and part skill. Financial Literacy addresses knowledge by covering the essential principles of banking. Topics include; savings accounts, checking accounts, credit cards, and taxes. This course also covers money investments from loans and interest, home loans, auto loans, and insurance. This course also discusses ideas in bonds, stocks, mutual funds, risk and diversification, as well as inflation. Succeeding in personal finances is crucial for financial independence. The conclusion of the course discusses the path to financial independence by discussing employment, paying for education, making a living, and retirement. This practical financial class builds business mathematical skills that students need to live a financially healthy life. Students will be able to see the real-world blessings and consequences of either mastering or not mastering their finances, which helps them understand the relevance and practicality of good mathematical skills.

**Grades: 10-12**

**Prerequisites: Algebra 1**

**Credits: 1 Credit**

## **Economics**

Economics course emphasizes free enterprise capitalism in a free market economy. After learning the biblical views of work, wealth, and stewardship, students can understand the proper economic roles of individual producers and consumers, as well as the role of the government from a Christian perspective. Essential concepts such as competition in the marketplace and private ownership of capital are discussed.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: 0.5 – 1 semester**

## **Other Electives**

### **Sports Medicine**

Sports Medicine is designed for students interested in fields such as athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other sports medicine related fields. The course includes practical hands-on application in the following areas: prevention, treatment, and rehabilitation of sports injuries, taping and wrapping of injuries, first aid/CPR, emergency procedures, and sports medicine careers. This course also touches on nutrition, sports psychology, rehabilitation, therapeutic modalities, and fitness/conditioning/strength programs.

**Grades: 10-12**

**Prerequisites: Health, Physical Education, Biology**

**Credits: 1 Credit**

### **College and Career Readiness**

Utilizing Khan Academy and College Board recommendations, this course is designed to prepare students to succeed on all portions of college entrance exams. Students will also be attentive to the many processes needed to successfully apply to college, complete the FAFSA, understand the financial aspect of going to college, and review those skills needed to be truly college and career ready.

**Grades: 10-12**

**Prerequisites: n/a**

**Credits: 1 Credit**

### **Study Skills**

Study Skills is a core program, addressing basic, fundamental organizational and learning skills for students. Study Skills helps students with the collection of abilities needed to keep schoolwork organized and learn and retain new information. The course will help students develop the skills of time management, setting and meeting goals, memorizing, note taking, long-term project management, and adapting to various assessment styles. Students will be exposed to goal oriented learning and set priorities to reach those goals. Students will investigate their own learning styles and learn about the most advantageous ways to study within those particular learning styles.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: .5 Credit – 1 semester**

### **Introduction to Criminal Justice**

Introduction to Criminal Justice involves (1) study of the agencies and processes involved in the criminal justice system, including the legislature, the courts, and corrections; (2) an analysis of the roles and problems of the criminal justice system in a democratic society with an emphasis on 4th, 5th, & 6th amendment considerations during police investigations, arrest, in pre-trial procedures, and while moving through the justice system. Careers in policing should be examined, including ethical considerations and standard protocols and dilemmas facing law enforcement on a daily basis such as matters involving use of force and the force continuum, so that students can make an informed decision whether or to pursue the full range of careers and postsecondary opportunities the criminal justice fields.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: 1 Credit**

### **Hermeneutics**

The term hermeneutics can be intimidating. It sounds academic and is foreign to most of our vocabularies. However, the act of interpretation is as common as communication itself. This course will instruct in various parameters for biblical interpretation and will show how specific methods are applied to Bible study.

**Grades: 9-12**

**Prerequisites: n/a**

**Credits: 0.5 Credit – 1 semester**