



The Woodlands Christian Academy

2023-2024 HIGH SCHOOL Course Guide

"The Lord is with you mighty warrior."
Judges 6:12

Mission Statement

The Woodlands Christian Academy is an independent, Christ-centered, college preparatory school that integrates learning with Biblical faith and spiritual growth, and challenges students to reach their highest potential – intellectually, creatively, physically and socially – for the glory of Jesus Christ.

Vision Statement

At The Woodlands Christian Academy, we equip servant leaders to impact their world and all eternity for Jesus Christ.

The Woodlands Christian Academy (Woodlands Christian or TWCA), founded in 1993, is an interdenominational Christian, college preparatory, day school governed by a self-perpetuating Governance Board. The school enrolls students Pre-Kindergarten through 12th grade.

The Woodlands Christian Academy is accredited by Cognia, CESA, and the Association of Christian Schools International (ACSI).

Introduction

The following pages contain descriptions of the courses offered by The Woodlands Christian Academy. Please consider the following when making course selections:

Choosing Advanced Courses

Students and parents should make prayerful consideration before enrolling in advanced courses. These courses require more homework, research, and time for outside class preparation. In order to be successful, students are required to exercise more analytical reading skills, study skills, and initiative. Students are expected to commit the time and effort necessary to be successful. Due to schedule constraints, it will not be possible to change levels after the first two weeks of the semester.

A number of factors are considered in determining the appropriate course placement for a student. The student's performance in the preceding class is considered in the department recommendation. Test scores, the overall academic record, and the long-term goals of a particular student are other factors, which are considered by the Academic and College Advisor in making any final determinations.

In order to be considered for Pre-AP placement, students must have a 90 or above in a college preparatory course the year prior. To be considered for AP course placement, students must have an 85 or above in a Pre-AP course the year prior. Completion of Pre-AP courses does not guarantee entrance into AP courses.

For more detailed information on high school academic policies, please refer to the Parent-Student Handbook on TWCA's website.

SPIRITUAL PILLAR

Biblical Studies

Christian Development 9 – Bible Survey

Ninth Grade

Full Year Course

Credit: 1.0

This biblical survey course is intended to get students more familiar with the Bible, one of the most valuable sources of our Christian faith. One semester will be devoted to going through each book of the Old Testament. The following semester students will do the same with the New Testament. The course will be structured to provide exercises, discussions, and enrichment activities to give students a solid understanding of the Word. A strong emphasis in this course is helping students see the “big picture” perspective as they study how God has worked through His people to carry out His plan of salvation.

Christian Development 10 – Understanding the Faith

Tenth Grade

Full Year Course

Credit: 1.0

Students will build the foundation for understanding God through their Christian faith and knowledge of the Christian worldview. Students will learn to defend the Christian worldview which is critical for those who want to share their faith with an unbelieving world. By the end of this course, students will have learned how to read the Bible, what the Bible says about God, what the Bible says about loving God and our neighbor, and many other imperative tenets of the Christian faith.

Christian Development 11 – Understanding the Times and Life Calling

Eleventh Grade

Full Year Course

Credit: 1.0

Students will understand how the tenets of the Christian worldview compare with five major competing worldviews that drive today’s major global events. Throughout the course, students will learn about the competing worldviews with the intention of revealing how our Christian faith is the proper, biblical, perspective through which God intended us to view the world. During this course students will also gain an understanding of the Christian way of life and learning that enables virtue, servant-leadership, and citizenship in God’s kingdom within the context of the concept of life calling and the discovery of one’s God-given design as a basis for this calling. This emerging sense of calling can then be used to guide the student in taking actions of personal leadership that can lead to greater success in their educational experience, and at the same time helps them make a positive impact in their world.

Christian Development 12 – Understanding the Culture

Twelfth Grade

Full Year Course

Credit: 1.0

This course will allow students to learn how to apply a bold Christian witness to their relationships with loved ones, neighbors, and colleagues. Learning from Christian history, students will develop biblical ideas for conversing with others addressing issues such as gender identity, abortion, technology, and poverty. This course will provide ways to develop an authentic, compassionate, Christian worldview as an effective witness in today's increasingly hostile culture.

INTELLECTUAL PILLAR

English

English I

Ninth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Eighth Grade English & Language Arts

English I college preparatory is designed to establish the foundation for students' future high school literature classes. Students read a broad sampling of literary genres and classical works through a Christian Worldview. An intense vocabulary-building component prepares students for future writing, more advanced reading, and future standardized testing. Students meet the demands of grammar and usage while developing an understanding of how to correctly and effectively write for a variety of purposes.

English I Pre AP

Ninth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Eighth Grade English with a grade of 90 or above

English I Pre AP is a challenging course that will allow students to learn and use Advanced Placement strategies in writing and reading. As an accelerated course, Pre AP English I will require more hours of outside-the-classroom work compared to a college preparatory course. Pre AP English classes are different from college preparatory English classes by the intensity and depth of analysis of fiction and non-fiction works. This course goes beyond the normal expectations of the regular classroom to larger goals by using higher-order thinking skills, rigorous training in writing, and relevant and engaging reading assignments. Students will read novels, non-fiction works, poetry, and drama in a skills-based format. Students will create projects, research using many sources, and write extensively. Through grammar and vocabulary study, students will sharpen their reading and writing skills.

English II

Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of English I

English II College Preparatory is a challenging course that will allow students to learn and use strategies and skills to improve their writing and reading, and by extension, enhance their abilities in other subject areas. This course will require focus and effort in the classroom as well as homework to practice what they have learned in class. This course provides the appropriate amount of rigor by using higher-order thinking skills, concentrated training in writing, and relevant and engaging reading assignments. Students will read and analyze novels, non-fiction works, poetry, and drama in a skills-based format this year. Students will create projects, research using many sources, and write extensively. Through grammar and vocabulary study, students

will sharpen their reading and writing skills.

English II Pre AP

Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of English I with a grade of 90 and above or English I Pre AP with a grade of 85 and above

English II Pre AP is the threshold to the AP Language and Literature Programs. To ensure success in these college-level courses, English II Pre AP reinforces the knowledge and skills gained in English I Pre AP and builds the reasoning and analytical skills needed in subsequent AP courses. The school year will focus on literary analysis, argument analysis, and writing about stylistic elements in nonfiction and argument as well as writing narrative, compare/contrast, analytical, and persuasive essays through the study of world literature. In addition, students will create projects, research using many sources, and practice and analyze AP-style multiple-choice selections. Through grammar and vocabulary study, students will sharpen their reading and writing skills. This is an accelerated course that will require more hours of homework compared to a leveled course.

English III

Eleventh Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of English II

In English III is a survey of American literature wherein students will focus on reading and writing in a variety of genres. Students learn to respond critically to texts using a range of forms, styles and contexts, and to promote skills of communication, reading, research, media literacy, and analysis. Through their study, learners develop an ability to read and analyze material, gaining further knowledge and understanding of English language features and issues. They also develop an ability to write clearly, accurately, creatively, and effectively for different purposes and audiences.

English IV

Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of English III

English IV is a survey course of British literature and informational texts. Students will read fiction, nonfiction, poetry, and drama in conjunction with British historical events beginning with the Old English and Medieval periods and continuing into the Post-modern period. We will explore essential questions surrounding the relationship between literature and context, literature as a reflection and shaper of society, and the relationship of the writer to tradition. English IV students are expected to produce coherent, analytical, and well organized written and oral presentations using the writing process. In tandem with literary studies, students will continue to develop and use vocabulary and grammar skills in preparation for university.

English Language & Composition AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Offered in 2023-2024

Prerequisite: Completion of English II with a grade of 90 and above

or English II Pre AP with a grade of 85 and above

or English III with a grade of 90 and above

or English Literature & Composition AP with an 80 and above

The English Language & Composition AP course cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The reading and writing students do in the course will deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres. Reading and writing activities in the course also deepen students' knowledge and control of formal conventions or written language (e.g., vocabulary, diction, syntax, spelling, punctuation, paragraphing, genre).

English Literature & Composition AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Offered in 2024-2025

Prerequisite: Completion of English II with a grade of 90 and above

or English II Pre AP with a grade of 85 and above

or English III with a grade of 90 and above

or English Language & Composition AP with an 80 and above

The English Literature & Composition AP course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Foreign Language

Latin I

Ninth thru Eleventh Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Latin I introduces students to the world of the ancient Romans and their Latin language. Our curriculum, the Cambridge Latin Course, is a progressive reading approach which builds upon the student's knowledge and skills throughout each year of Latin and engages the 21st century learner via the online textbook and other current resources. Students will immediately see that over 60% of our English language vocabulary comes from Latin, as well as many terms and

phrases still used today. As they master the basic building blocks of the Latin language through vocabulary and grammar, our students begin reading Latin texts, transporting them into a world that greatly influenced ours. This course also studies the rich culture of Rome and its history, religion, and contributions to the modern world. In addition, the study of Latin has been proven to boost standardized test scores and also lend success to all areas of study, specifically to the analytical skills used in STEM. TWCA also has a chapter affiliation with the National Junior Classical League (Latin Club).

Latin II

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Latin I

Moving forward with our Cambridge Latin Course curriculum, Latin II students will continue to build upon their understanding of the Latin language. Having mastered the more basic grammatical constructs and sentence structures of Latin I, in Latin II, the students will study more complex Latin grammar concepts and syntax enabling them to read and comprehend more formidable and literary Latin texts. Other topics will continue to be integrated, such as vocabulary building from Latin roots, classical literacy, and more specific studies of Roman culture, including maps, history, and religion.

Latin III Pre AP

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Latin II with a grade of 85 and above

Latin III further threads previous Latin course objectives to a greater depth in all areas of classical Latin studies. It serves to consolidate the mastery of grammar and sentence structures gained in Latin I and II and introduce higher level grammar concepts such as subjunctive mood and passive voice. Latin III students will also be introduced to a survey of Roman authors and get to explore their own specific interests, e.g. Roman architecture, engineering, or military history. This Pre AP course will prepare students to work at a higher level in any AP level course, whether continuing their study of Latin and Roman culture or, any other subject.

Latin IV AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Latin III Pre AP with a grade of 85 and above

The Latin AP course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's *Aeneid* and Caesar's *Gallic War*. Following the College Board Latin AP syllabus and requirements, the course requires students to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Throughout the course, students consider themes in the context of ancient literature and bring these works to life through classroom discussions, debates, and presentations. Additional English readings from both of these works help place the Latin readings in a significant context.

Spanish I

Ninth thru Eleventh Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Spanish I is an introduction to the four language skills: reading, writing, understanding, and speaking Spanish. Emphasis is placed on oral expression. Each student is required to master basic vocabulary and selected idiomatic expressions used in daily interactions in a variety of short presentations using digital media. Additionally, students are introduced to the geography and culture of the Spanish-speaking world. By the end of this course, students should be able to complete short written compositions and give brief oral presentations in the present tense. This course prepares students for Spanish II.

Spanish II

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Spanish I

Spanish II is an intermediate-level course conducted mostly in Spanish. Upon completion of this course, the students will be able to conjugate and apply regular and irregular verbs in written form and in conversation including all of the simple tenses, the present subjunctive mood, the imperatives (with and without pronouns), the present perfect, the pluperfect, the present perfect subjunctive and the present progressive tenses. This course will also review, refine, and expand all of the grammar that it is normally taught in Spanish I. Students will also be able to comprehend and respond to level-appropriate material spoken in context at an average speed. In addition, the students will be able to sight-read authentic texts, discuss cultural topics, and write short written compositions that demonstrate control over both simple and complex structures, with a novice-to-intermediate range of vocabulary. Students will also be introduced to the principal components of the life, geography, customs, and culture of modern Latin America and Spain. This course prepares students for Spanish III Pre AP in the following year

Spanish III Pre AP

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Spanish II with a grade of 85 and above

This course primarily prepares students for the Spanish Language and Culture AP course. This course will also review, refine, and expand all of the grammar that it is taught in Spanish I and II classes, as well as introduce the subjunctive mood. It provides a continuation of language acquisition in the four skills with increasing expectations in language production. Students will be able to conjugate and apply regular and irregular verbs in written form and conversation including all of the simple tenses and subjunctive moods (present and imperfect), all of the perfect tenses (including pluperfect subjunctive), all the imperatives, and the present and imperfect progressive tenses. The students read, summarize, analyze, and discuss authentic selections, as well as discuss current events and other cultural topics to increase vocabulary and grammatical accuracy. They will also develop writing skills and continue reading literary texts.

The course provides opportunities for the students to demonstrate intermediate proficiency in all areas of language study with emphasis on integration of language and culture.

Spanish Language & Culture AP

Eleventh, Twelfth Grade

Full Year Course

Credit 1.0

Prerequisite: Completion of Spanish III Pre AP with a grade of 85 and above

The Spanish Language and Culture AP class is designed to prepare the students for the AP Spanish Language and Culture exam in May. This thorough exam assesses all areas of proficiency in the language: listening, speaking, reading, and writing at the 2nd and 3rd semesters of college Spanish. In addition to providing the necessary practice required to demonstrate proficiency in these areas, the course will include an in-depth review of all grammatical structures. A focus on refining and integrating all skills while addressing a broad variety of topics, from world challenges to aesthetics, will demand an extensive vocabulary acquisition. Materials include a variety of different media, e.g., journalistic and literary works, podcasts, interviews, video clips, charts, and graphs. This course is an immersion experience requiring exclusive use of Spanish, a requirement reflected in class participation grades.

***French I (Online course through Ethos)**

Ninth thru Eleventh Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Additional Fees Apply

Bien venue! French I opens with a discussion about why God created different languages and how multiculturalism has brought blessing into our own lives and in history. Students are then introduced to the language and rich culture of French-speaking countries. Native French speakers take students through daily scenarios and give them the necessary skills to read, write, and speak French. Biblical and theological ideas are integrated throughout the course, so that students continue to grow in their faith while learning the basics of French language and the God-given basis of language.

As students learn new words and phrases and the basics of French grammar, they also read about the biblical perspectives of various course topics. They learn to greet people, introduce themselves, exchange basic information, count from one to 1,000, and make simple sentences in both spoken and written French. There are many opportunities to practice through interactive writing, listening, and speaking practice activities. Students also study the cultures of France, Canada, and other French-speaking regions by learning about different geography, foods, celebrations, and traditions. Students are reminded that God is with them on this journey to learn the French language and are encouraged to press into Jesus, to listen to His voice, obey what He says, and experience life in all its fullness.

***French II (Online course through Ethos)**

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: French I**Additional Fees Apply*

Salut! Get set for some adventure! In French II, students are immersed in the French language and culture while keeping a biblical perspective. This course is full of engaging and interactive videos, dialogues, presentations, self-checks, and much more! The purpose of this course is to further develop the French communicative skills of listening, speaking, reading, and writing. In French II, students broaden their French vocabulary and knowledge of grammar. Students also experience the beauty and expressiveness of a language that is shared by different people and cultures throughout the world. As Christians, they are equipped to share their faith with French speakers and fulfill the Great Commission.

***French III Honors (Online course through Ethos)**

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: French II**Additional Fees Apply*

This third-year French course is a continuation of the first two years. The student will continue to improve listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Students will further practice and develop their language skills through the use and exploration of biblical lessons. Throughout the five units - Feelings, Transportation, Work, Countries and Future - students build on previous knowledge with additional vocabulary, verb tenses, and grammatical structures appropriate to their level. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind.

***German I (Online course through Ethos)**

Ninth thru Eleventh Grade

Full Year Course

Credit: 1.0

*Prerequisite: N/A**Additional Fees Apply*

In German I, students are introduced to basic communication and comprehension skills in German. Assuming no prior knowledge of the German language, the course introduces the fundamentals of German grammar, vocabulary, and conversation and coordinates the study of language with culture through the use of video, audio, and mass-media production. Students begin to develop a functional competency in the four primary language areas (speaking, reading, listening, and writing), while also establishing a solid grammatical base and a firm understanding of German culture. Guided translation exercises at the end of each module, based on various passages and versions of the German Bible, help students solidify their understanding, develop translation skills, and explore the context and meaning of select biblical passages. Students engage in various instructional activities throughout the course, including oral practice (via Voice Tools), homework assignments, games, songs, videos, quizzes, tests, projects, and other activities such as writing wikis and journal entries. Various cultures of the German-speaking world are explored through readings, videos, and other activities as well.

***German II (Online course through Ethos)**

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: German I**Additional Fees Apply*

In German II, students build on the grammar and language skills that they acquired during German I. While reviewing basic grammar skills (e.g., present and past tenses), students study stem-changing verb conjugation; form more complex German sentences in a variety of tenses and using all four cases (nominative, accusative, dative, and genitive); and explore cultural themes regarding current events, famous German people, music, and famous festivals. Students explore different careers and discuss relationships. Cultural themes are intertwined throughout this course, related to going shopping, going to the zoo, and traveling throughout the German-speaking world. Finally, guided translation exercises, based on various passages and versions of the German Bible, are included at the end of each module, helping students to solidify their understanding, develop translation skills, and explore the context and meaning of select biblical passages.

***German III Honors (Online course through Ethos)**

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: German II**Additional Fees Apply*

This third year of German is a continuation of the first two years. The student will continue to sharpen listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Students will further practice and develop their language skills through the use and exploration of biblical lessons. Throughout the five units of material (Media, My Childhood, My Future, Foods, and The Environment), students learn to express themselves using an ever-increasing vocabulary and more advanced sentence structure. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind.

Health and Speech

The Woodlands Christian Academy Students will obtain the required Health and Speech credits throughout the various course disciplines offered between ninth and twelfth grades.

History

World Geography

Eighth, Ninth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

World Geography introduces students to the essential elements of geography, locations of current nations, as well as the landmasses and bodies of water which impact the culture and economy of various regions. The combination of physical and cultural geography studies assists students in developing a heightened awareness of the similarities and differences among God's peoples.

World History

Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: World Geography

World History is a college-preparatory study that covers a survey of Ancient Civilizations, the Renaissance Era to the present, emphasizing the great people, ideas and events leading to the development of the modern world. Political, economic, religious, social, intellectual and artistic trends are surveyed. In this course, students will analyze the great global civilizations and compare them to our own, through the lens of our Christian beliefs.

World History AP

Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: English I with a grade of 90 and above or English I Pre AP with a grade of 85 and above AND Placement Exam

In World History AP, students investigate significant events, individuals, developments, and processes from 1200 to present. Students develop and use the same skills, practices, and methods employed by historians by analyzing primary and secondary sources, developing historical arguments, making historical connection, and utilizing reasoning about comparison, causation, and continuity and change over time. This course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, culture developments and interactions, governance, economic systems, and social interactions and organization, and technology and innovation.

U.S. History

Eleventh Grade

Full Year Course

Credit: 1.0

Prerequisite: World History

U.S. History focuses on the major events, peoples and cultures that have shaped the development of the United States to the present. It provides a strong background in historical facts while incorporating the sweeping themes of history that continue to shape our world. God's influence on the development of the country is studied as well.

U.S. History AP

Eleventh Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of World History with a grade of 90 and above or completion of World History AP with a grade of 80 and above

The U.S. History AP course focuses on the development of historical thinking skills , chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, interpreting and synthesizing historical narrative, and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance: American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth.

U.S. Government

Twelfth Grade

Fall Semester Course

Credit: 0.5

Prerequisite: US History

This course will help students develop concepts related to the biblical and secular nature of government, the United States congress, political parties, the Executive Branch, unalienable rights, the federal judiciary, state and local government, patriotism and other related topics. As students understand their rights and responsibilities in this country, they are able to become informed citizens who become involved in the political process. Students will understand the events leading to the Declaration of Independence and the origins and functions of the United States Constitution. When feasible, other disciplines will be integrated into the curriculum so government will not be viewed as an isolated subject.

***U.S. Government and Politics AP**

Twelfth Grade

Fall Semester Course

Credit: 0.5

Prerequisite: Completion of US History with a grade of 90 and above or US History AP with a grade of 80 and above

Students investigate key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study the structure of the Constitution, its Judeo-Christian influences, and its implications for the functioning of government today. Other foundational documents, landmark Supreme Court cases, and opportunities for research and civil action are key elements in this rich, biblically integrated course that prepares students to be informed and active participants in the U.S. society.

Economics

Twelfth Grade

Spring Semester Course

Credit: 0.5

Prerequisite: U.S. Government

Economics introduces students to the basic principles of America's complex economic system including competition, supply and demand, property, monetary, fiscal policy, and free enterprise. It is designed to help students develop analytical thinking and reasoning skills necessary to become effective, responsible citizens and consumers. This course will show the American economy in action, cover government policies and their influence on the economy, expand students' horizons with coverage of international economics and relate what students have learned to their own lives. When feasible, other disciplines will be integrated into the curriculum so economics will not be viewed as an isolated subject.

Macroeconomics AP

Twelfth Grade

Fall Semester Course

Credit: 0.5

History Credit or Creative Arts Credit Course

Prerequisite: Completion of any AP class with an 80 and above

Macroeconomics AP is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Macroeconomics AP is equivalent to a one-semester introductory college course in economics.

Microeconomics AP

Twelfth Grade

Spring Semester Course

Credit: 0.5

History Credit or Creative Arts Credit Course

Prerequisite: Completion of any AP class with an 80 and above

Microeconomics AP is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Microeconomics AP is equivalent to a one-semester introductory college course in economics.

Mathematics

Algebra I

Ninth Grade

Full Year Course

Credit: 1.0

Prerequisite: 8th Grade Pre Algebra

Algebra I is the foundational course for all high school math classes. The central theme of a first-year algebra course is the variable expression. Students will see a variable in all of the familiar positions (being added, subtracted, multiplied, and even as a divisor), but will not yet see it as an exponent. From manipulation of variable expressions, we then move to solving variable equations and graphing functions, primarily of the linear type. Students are also introduced to the second-degree or quadratic equation and its solutions. This begins their formal study of polynomial equations and functions, which they will continue to study in the second-year algebra course.

Geometry CP

Ninth, Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: Algebra I

With a standard course in geometry we step away from the number line and the Cartesian plane where we are concerned with the coordinates of points and we turn to the ideas of a point, a line, a plane, and space—the universal set of points. From these ideas, we devise definitions and intuit axioms and postulates to build, by God given logic, more complex truths called theorems, all of which rigorously describe the relationships among and between our fundamental ideas and common geometric figures such as triangles, quadrilaterals, and circles. The process of establishing these relationships, generally referred to as a proof, forms a central theme of the course.

Geometry Pre AP

Ninth, Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Algebra I with a 90 and above

Geometry Pre AP with Statistics is designed to provide students with a meaningful conceptual bridge between algebra and geometry to deepen their understanding of mathematics. Students often struggle to see the connections among their mathematics courses. In this course, students are expected to use the mathematical knowledge and skills they have developed previously to problem solve across the domains of algebra, geometry, and statistics.

Algebra II CP

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Geometry AND Algebra I

The theme of the variable expression in first-year algebra gives way to a new primary theme of the function in second-year algebra. Functional analysis including graphing, evaluating, and algebraic combinations including composition, is emphasized. The polynomial functions of second-degree or higher are of primary importance, but the transcendental functions—exponential, log, and trigonometric are also introduced. Other topics such as use of matrices and topics from finite mathematics round out the course.

Algebra II Pre AP

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Algebra I with a 90 and above AND Geometry

In Algebra II Pre AP, students solidify and extend the understanding of functions and data analysis developed in prior courses. Students build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course.

Pre Calculus AP

Tenth, Eleventh, Twelfth Grade.

Full Year Course

Credit: 1.0

Prerequisite: Completion of Algebra II with a 90 and above or Algebra II Pre AP with an 85 and above

Pre Calculus AP centers on classes (or families) of elementary functions modeling dynamic phenomena. This exploration of functions is designed to both deepen and broaden a student's understanding of the characteristics of each class, why these functions are essential, and what unique phenomena do they describe. This course is designed to better prepare students for AP calculus and provide grounding for other mathematics and science courses.

Calculus (AB) AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Pre Calculus Pre AP with a grade of 85 and above

Calculus (AB) AP is an advanced study in mathematics that gives the student a better understanding of how a truly dynamic system can be dealt with logically. Calculus takes the powerful concept of limit and begins to work out its practical implications. The two major applications of the limit are the derivative and the integral. Derivatives are used to better understand the behavior of functions and to solve instantaneous-rate and optimization problems. Integrals also have various applications including measuring unusual areas and the volumes of irregular shaped objects. The course will cover limits; differentiation and integration of all the major functions as well as their applications.

Calculus (BC) AP

Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Calculus (AB) AP with a grade of 80 or above

Calculus (BC) AP is roughly equivalent to a second semester of college calculus. The course essentially concludes a study of calculus as applied to single-variable functions. Students begin by learning advanced integration techniques and applications. Major themes also include sequences and tests for the convergence of infinite series with a focus on the Taylor Series. The course concludes with the calculus applied to parametric and polar equations. Time permitting, we may introduce the calculus of vectors and vector-valued functions and their applications. The TI-84 calculator will continue to be used for numerical analytic purposes as well.

Introduction to College Algebra/Trigonometry

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Algebra II

The course is designed for those students who need a bridge from Algebra II to Pre-Calculus or who want a review of college fundamentals in mathematics. Students will be challenged to deepen their understanding in such areas as: equations and inequalities, functions and their graphs, polynomial functions, rational functions and conics, exponential and logarithmic functions, trigonometry, analytic trigonometry and other topics dealing with trigonometric functions. Upon completing this course, a student will be able to recognize and graph polynomial functions, solve higher order polynomials, solve logarithmic and exponential functions, recognize trigonometric graphs, and use trigonometric identities to solve trigonometric functions.

Financial Accounting

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Math Credit or Creative Arts Credit Course

Prerequisite: Algebra I

Financial accounting is the building block of all accounting careers as well as an integral component of finance, economic and general business degrees. Students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students will absorb this knowledge as they learn the process of recording, classifying, summarizing, analyzing and communicating accounting information. A significant amount of time will be spent applying a biblical worldview to real-world situational ethics. In a rapidly changing technology-driven world, this course will enable all students to enhance their marketability in their future careers.

Statistics

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Math Credit or Creative Arts Credit Course

Prerequisite: Algebra II

Statistics is about extracting meaning from data. This course will introduce techniques for visualizing relationships in data and systematic techniques for understanding the relationships using mathematics. Topics discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis testing.

Science

Biology

Ninth Grade

Full Year Course

Credit: 1.0

Prerequisite: 8th Grade Science

Biology is a foundation for the basic understanding of life and opens the door to a lifetime of learning about the natural world and God's creation. This course explores the fundamental areas of biological sciences: cell biology, genetics, organismal change and relatedness, and ecology. Instructional opportunities and lab work are designed to not only teach new content but also to guide students as they continue to build the skills necessary to become critical thinkers. Experimental design, interpretation and evaluation of data, and communication of ideas using the scientific method are emphasized.

Biology Pre AP

Ninth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of 8th grade science with a grade of 90 and above

Pre AP Biology approaches the study of living systems from a contemporary point of view and lays the foundation for content covered in Biology AP. Students enrolling in this course should have plans to pursue AP level science coursework in future years. While the course is organized into similar units as the introductory level biology course, the Pre AP course goes into greater depth of content and is taught at a faster pace. In addition, the Pre AP curriculum places a strong emphasis on the biochemical and molecular basis of organism structure and function and explores the latest advances in biotechnology. Lab work and technical writing are significant components of the course. Students who register for the Pre AP course should already have a strong foundation in critical thinking, experimental design, data interpretation, and analytical writing. Collaborative and independent research opportunities are woven throughout the curriculum to further sharpen these skills.

Chemistry

Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: Biology

Chemistry is the study of structure and composition of the different kinds of matter, the changes which matter may undergo, and the phenomena that occur in the course of these changes. Through this course, students develop a greater understanding and knowledge of God's creation. Through critical thinking, students evaluate information, analyze and solve problems, and assess issues using mathematical and analytical skills. In laboratory work, students gather, record, organize, interpret, and analyze information about the natural world.

Chemistry Pre AP

Tenth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Biology with a grade of 90 and above or Biology Pre AP with a grade of 85 and above

Chemistry Pre AP is intended for students desiring to enroll in Chemistry AP and who exhibit exceptional critical-thinking skills and an aptitude for math and science. Aligned to learning objectives outlined in Chemistry AP Big Ideas 1 through 3, Chemistry Pre AP challenges students to explore chemistry through rigorous study and engaging laboratory investigations. The broad themes of this course include: structure and composition of matter; inter-and intramolecular forces; chemical reactions; and fundamental analytical chemistry including gravimetric analysis, numerous titrations, and spectrophotometry. In addition, this course is enhanced to provide an in-depth understanding and knowledge of God's creation.

HOSA I

Health Occupations of Students of America

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Biology AND By Application

Estimated Additional Fee of \$50.00 Required

Science Credit or Creative Arts Credit Course

HOSA is an integrated Health Science curriculum for those who plan to pursue a career in health care. This integrated curriculum extends the scope of learning into the community to offer opportunities for all students to participate in activities related to health care skills development. These activities allow students the ability to manage basic survival skills, build self-esteem, build skills for future careers, develop into leaders for the advancement of the health care field, and receive recognition. Students use these skills to become competitive at local, state and national HOSA events. Areas of skill improvement or course focus can include CPR, Certified Emergency Response Team training, medical assistance, medical coding and billing, medical terminology, anatomy, pathophysiology, nursing skills, emergency medical technicians, pharmacology, radiology, nutrition, health and fitness, sports medicine, medical math, public health, chemistry, biochemistry, medical microbiology, genetics, behavioral health, and physical therapy.

Anatomy & Physiology

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Biology

Human Anatomy & Physiology is geared toward students interested in God's prized creation, the human body. The course focuses on the structure and function of organs, their role in larger systems and how their dysfunction relates to disease. Through the use of case studies and research, students examine the latest developments in medicine and explore how topics presented in class interface with society. Lab investigations and dissections are integral to the course.

Anatomy & Physiology Honors

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Biology with a grade of 90 and above or Biology Pre AP with a grade of 85 and above or Biology AP

Honors Human Anatomy & Physiology is geared toward students interested in pursuing a career in medicine or related biological sciences. All elements of the college prep level course description apply, but honors students attend and reflect upon college-level lectures and are responsible for a greater depth of course content, and create a research plan based on their chosen field of study.

Biology AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Biology Pre AP with a grade of 85 and above

Biology AP is designed to be the equivalent of a college introductory biology course and is focused around four big ideas: energy and communication on the cellular level, genetics and information transfer, interactions in biological systems, and evolution. As students expand on and make connections between the ideas and concepts explored in previous Pre AP Biology and Pre AP Chemistry courses, they will come to appreciate and marvel at the complexity of life and God's creation. The goal of the course is to develop a conceptual framework for modern biological science. The course directs students to realize that science is a process rather than an accumulation of facts, to recognize unifying themes that integrate major topics of biology, and apply knowledge and critical thinking skills to biomedical, environmental, and social concerns. Traditional and inquiry-based lab investigations are critical components of the course. Students enrolling in this course should have excellent analytical and technical writing skills. Advanced Placement Examination is required.

Biotechnology & Applied Principles of Bioengineering Honors

Eleventh, Twelfth Grade

Full Year Course

Credit:1.0

Prerequisite: Completion of Biology with a grade of 90 and above or Biology Pre AP with a grade of 85 and above

AND

*Completion of Chemistry with an average of 90 and above or Chemistry Pre AP with a grade of 85 and above
Science Credit or Creative Arts Credit*

The purpose of this course is to give students a comprehensive introduction to the scientific concepts and laboratory research techniques currently used in the fields of biotechnology and bioengineering. Students will review and apply the fundamentals of molecular biology, genetics, and chemistry to understand a variety of real-world applications and solve problems in microbiology, forensics, agriculture, immunology and public health, biodiversity and conservation, and medicine. Students will also consider principles of bioethics as they examine these topics and evaluate the use of technology through the lens of a biblical worldview. The course is designed with a lab-focused curriculum, enabling students to explore and become proficient in lab techniques such as micropipetting, aseptic technique, DNA and protein extraction and quantification, gel electrophoresis, PCR, CRISPR, gene cloning and bacterial transformation, ELISA, and western blotting. Through readings, lab experiments, class discussions, case studies, field visits, and research projects, students will explore career opportunities in the industry and develop the technical, critical thinking, and communication skills required to succeed in fields of biotechnology and bioengineering.

Chemistry AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Chemistry with a grade 90 and above or completion of Chemistry Pre AP with a grade of 85 and above

Chemistry AP is the equivalent of a college Chemistry course and gives students the opportunity to earn college credit. Chemical calculations comprise the core foundation of this course including molecular bonding and hybridization, modern atomic theory, electrochemistry, nuclear chemistry, stoichiometry, kinetics, aqueous equilibrium, reduction and oxidation and thermodynamics. Students continue to develop their abilities in analysis and higher-order thinking skills in preparation for college-level studies. Students enrolling in this course should have excellent analytical and technical writing skills. Advanced Placement Examination is required.

Engineering Applications in Earth & Space

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Science Credit or Creative Arts Credit Course

The Engineering Applications in Earth & Space course is a survey course exploring many different applications of engineering as they pertain to both energy and space technologies. One semester will be devoted to studying engineering related to energy humans consume: fossil fuels, solar energy, wind energy, geothermal energy and biofuel in addition to volcanos and earthquakes and the civil engineering associated with building structures related to these catastrophic events. The other semester

will explore engineering of human space travel. Beginning with some of the historical crafts, vehicles, satellites and rovers and moving through to modern engineering regarding these technologies. The planned Lunar base will be discussed as will upcoming manned missions to Mars. Engineering behind rocket propulsion, stage detachment, orbital acquisition, space flight and reentry will be covered for satellites as well as manned craft. Students will gain a foundational understanding of “rocket science,” some large-scale earth processes, energy consumption and space travel. Engineering branches investigated include chemical, civil, mechanical, robotic, computer, bioengineering and others. Students will participate in building models including some functional models and will also complete virtual simulations. Class discussion will integrate a Biblical worldview on these topics as students see God’s hand at work in nature and we discuss our obligation for both good stewardship and fair use of resources. The class will take a field trip to the Ocean Star Drilling Museum and to the NASA Johnson Space Center.

Environmental Science AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Biology or Chemistry with a 90 and above or completion of Biology Pre AP or Chemistry Pre AP with an 85 and above

Environmental Science AP is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these issues, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Students enrolling in this course should have excellent analytical and technical writing skills. Advanced Placement Examination is required.

HOSA II Honors

Health Occupations of Students of America

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: Completion of Red Cross Certification and HOSA I with an 85 and above
AND Completion of Anatomy & Physiology or Concurrent enrollment
AND By application*

Estimated Additional Fee of \$120.00 is Required

Science Credit or Creative Arts Credit Course

This year is a national certification year for HOSA students. Students will learn the content from hands on experiences and content knowledge, then take the certification and/or skills exams based on the Allied Healthcare field. Students can earn multiple medical career certifications this year. Medical Careers that students will earn certification in include the following: Certified Phlebotomy technician (CPT), EKG technician (CET), Patient Care Technician (PCT), and Certified Clinical & Administrative Medical Assistant (CCMA). Certifications are completed in order and successful completion of the first is required for each successive certification. Students must earn an 85 or higher in HOSA I prior to registering for this course. Application is required.

Principles of Engineering

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Science Credit or Creative Arts Credit Course

Principles of Engineering is a hands-on, project-based course designed to expose students to the major concepts of engineering and prepares them to further explore engineering in college. Students explore a variety of engineering and high-tech careers and learn how engineering is powering our future. Students will apply a variety of creative engineering and scientific concepts to solve real-world problems. Students will develop problem-solving skills, teamwork capability and design techniques to build physical and virtual products and services for real-world customers. Students will also learn how to communicate their solutions to a variety of audiences. "We imagine, play, make, and transform" is our class motto. Young women in particular are encouraged to take this course to explore engineering as a possible major in college and as a career choice.

Physics

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Algebra II

Physics is a college-level introductory course focused on matter, motion, energy, gravity, electricity, waves, and their interconnections. Physics principles are explored through engaging lab activities, creative constructions, thought experiments, and real-world applications. As a result, students develop an intuitive understanding of the physical concepts and mathematical tools to explain and predict physical phenomenon with precision. Students enjoy working in teams to solve challenging and interesting problems and to present their discoveries to the class. To explore physical principles, students use state-of-the-art probe-ware to capture real-time data regarding distance, motion, acceleration, rotation, and force. Great emphasis is placed on the development of critical reasoning, creative thinking, and collaboration skills. Throughout the course, students gain insight into the order and intricacy of God's creation.

**In preparation for the rigors of collegiate study, physics is a required course at The Woodlands Christian Academy. If a student would like to take another science in lieu of physics, an appeal may be submitted to the Director of Academic and College Advising for consideration.*

Physics AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Pre Calculus with a grade of 85 and above

OR

Completion of Algebra II CP with a grade of 90 and above or Algebra Pre AP with a grade of 85 and above AND concurrent enrollment in Pre Calculus

Physics AP is an algebra-based course that mirrors an introductory level university physics course. This course is organized around six big ideas that bring together the fundamental principles of physics. These big ideas encourage students to think about physical concepts as interconnected pieces of a vast and wondrous puzzle. The students will participate in inquiry-based explorations to

gain a conceptual understanding of matter, motion, energy, gravity, electricity, waves and their interconnections. To explore physical principles, students use state-of-the-art probe-ware to capture real-time data regarding distance, motion, temperature, and force. Great emphasis is placed on the development of critical reasoning, creative thinking and collaboration skills. Throughout the course, students gain insights into the order and intricacy of God's creation. Students enrolling in this course should have excellent analytical and technical writing skills. Advanced Placement Examination is required.

**Highly recommended for students pursuing a college degree in engineering, math, or other related fields.*

CREATIVE ARTS PILLAR

Electives

Business Electives

Entrepreneurship

Tenth, Eleventh, Twelfth Grade

Semester Course

Credit: 0.5

Prerequisite: N/A

This course explores the general concepts of entrepreneurship from the characteristics that define an entrepreneur to managing a company day-to-day. Topics include generating a business idea, branding, market research, marketing a product or service, risk versus reward, providing quality customer service, and writing a business plan. The course will also offer a series of guest speakers who provide real-world insight into what it takes to be an entrepreneur.

Financial Accounting

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Algebra I

Creative Arts or Math Credit Course

Financial accounting is the building block of all accounting careers as well as an integral component of finance, economic and general business degrees. Students will investigate the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students will absorb this knowledge as they learn the process of recording, classifying, summarizing, analyzing and communicating accounting information. A significant amount of time will be spent applying a biblical worldview to real-world situational ethics. In a rapidly changing technology-driven world, this course will enable all students to enhance their marketability in their future careers.

Macroeconomics AP

Twelfth Grade

Fall Semester Course

Credit: 0.5

Prerequisite: Completion of any AP class with an 80 and above

Creative Arts or History Credit Course

Macroeconomics AP is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Macroeconomics AP is equivalent to a one-semester introductory college course in economics.

Microeconomics AP

Twelfth Grade

Spring Semester Course

Credit: 0.5

*Prerequisite: Completion of any AP class with an 80 and above
Creative Arts or History Credit Course*

Microeconomics AP is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Microeconomics AP is equivalent to a one-semester introductory college course in economics.

Principles of Business

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

This course is designed for students interested in, or considering a future in a business-related field. Students will learn the skills necessary to achieve success in business as well as the attitudes, characteristics, and techniques needed to excel in those fields. Topics presented will include organizational structure, company culture, management strategies, oral and written communication, and business operations and technologies (including Excel certification). Additionally, students will receive an overview of the responsibilities of different careers under the business umbrella, including but not limited to accounting, finance, marketing, entrepreneurship, and management.

Sports Management & Marketing

Tenth, Eleventh, Twelfth Grade

Semester Course

Credit: 0.5

Prerequisite: N/A

Sports Management will introduce the business side of athletics with heavy emphasis in the areas of marketing, logistics/operations, finance and communications. Instruction will include classroom lectures and ample opportunities for valuable, hands-on training through on and off-campus field experience with the Warrior Athletics Team. Additionally, live presentations from industry experts — collegiate and professional level coaches and players, TWCA staff and others — will be scheduled at various points throughout the course providing practical and authentic insight. This class will require afterschool commitments. Below are the different topics that will be covered in the class:

Finance - budgeting, purchasing

Communication - social media, journalism, media relations

Sports history - Alumni and memorabilia

Sport marketing - graphic design, photography/videography, culture/traditions

Sport event management - game-day logistics and operations, scheduling, ticketing

Sport facility management

Statistics

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Creative Arts or Math Credit Course

Prerequisite: Algebra II

Statistics is about extracting meaning from data. This course will introduce techniques for visualizing relationships in data and systematic techniques for understanding the relationships using mathematics. Topics discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis testing.

Other Electives

Christian Discipleship & Leadership

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: By Application

The purpose for this course is to develop Christ-like leadership via intentional discipleship with our students. It is a comprehensive glimpse of Christian leadership in action. Utilizing a variety of textbooks, students will learn about leadership from God's Word. They will also discover essential discipleship principles, practices, as well as address pivotal apologetic arguments as a part of faithful leadership. This class will also be an opportunity for students to grow in practical leadership as organizers, facilitators, and assistants in chapel worship and small groups.

Debate

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Lincoln-Douglas Debate is a one on one debate that was introduced to National Forensics League in 1981 based loosely on the early debate of Abraham Lincoln and Stephen Douglas in 1858. Unlike policy debate, Lincoln-Douglas Debate is based on values, with the burden of proof is shared equally by the Affirmative and the Negative team. The debate topics are of abstract concepts, standards of behavior, and competing visions of what kind of world we should strive to create. Students enrolled in debate will write Affirmative and Negative cases and participate in class debates. Students will be offered the opportunity to compete at competitions. Marko Djuranovic, The Lincoln - Douglas Debate Handbook, Baylor Briefs, and The Forensic Files.

Psychology AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

The Psychology AP course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

Yearbook

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: By Application

Yearbook students will develop valuable skills in photo journalism, copy writing, editing, and graphic design as they work as a team to produce a creative, innovative yearbook which records The Woodlands Christian Academy's school memories and events. Student staff members will gain useful, real world practice in time management, teamwork, and design principles, as well as experience in interviewing staff and other students and working with teachers to ensure full coverage of the student body. Students who show exceptional effort and commitment will be eligible to serve as editors for this student-driven publication.

STEAM Electives

Fundamentals of Computer Science

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Algebra I

or Concurrent enrollment in Algebra I

Fundamentals of Computer Science is a year-long course intended for students wanting to prepare for continued study of Computer Science. This course introduces the student to programming using languages such as Python and JavaScript. In addition, students will design a web page using HTML. This class covers a variety of computer science concepts and requires a strong understanding of Algebra and a solid work ethic. In addition, this class is designed to be an academic course that prepares students for Computer Science Principles AP and/or Computer Science Pre AP.

Computer Science Independent Studies Honors

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Computer Science (A) AP with a grade of 85 and above or a score of 3 and above on the Computer Science (A) AP exam

Computer Science Independent Studies is equivalent to a second-semester, college-level course in Computer Science. The course expands on and masters the topics learned in AP Computer Science

A. Topics include: Java Abstract Data Types, Digital Forensics (college level), and additional programming languages required by the university or college of choice. Students will create coding projects to develop a portfolio showcasing their skills. This course is recommended for students seeking Computer Science, Cybersecurity, or Engineering degree in college.

Computer Science Pre AP

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Fundamentals of Computer Science with a grade of 90 and above or completion of Algebra I CP with an 85 and above or Algebra I Pre AP with a 90 and above

This course explores the basics of Java programming language using advanced placement strategies to begin preparation of the Computer Science (A) AP course. Students will learn what variables, objects, and arrays are in the context of object-oriented programming. Students will learn to write short computer programs and develop algorithms to solve real-world problems. Although some graphics are utilized in this course, a strong number sense and good understanding of basic Algebra is needed. This course is recommended for students seeking a field of study in Computer Science, Cybersecurity, or Engineering.

Computer Science Principles AP

Ninth thru Twelfth Grade

Full Year Course

Credit:1.0

Prerequisite: Completion of Fundamentals of Computer Science with a grade of 90 and above or completion of Computer Science Pre AP with an 85 and above

AP Computer Science Principles is a year-long course exploring the breadth of the computer science field. Students will learn to design and evaluate solutions and apply computer science to solve problems through the development of algorithms and programs. Students will gain an understanding on how computing innovations and computing systems work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. A performance task computer program will be submitted to an AP Digital Portfolio. Students must take the AP Exam and submit the portfolio task to attain college credit.

Computer Science (A) AP

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Computer Science Pre AP with a grade of 85 and above

Computer Science (A) AP is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using the Java computer language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. Topics include: Encapsulation, Inheritance, Arrays, Polymorphism, Search and Sort Algorithms, and Recursion. This course is, in combination with the Computer Science Pre AP course, recommended for students seeking a field of study in

Computer Science, Cybersecurity, or Engineering.

Principles of Engineering

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Creative Arts or Science Credit Course

Principles of Engineering is a hands-on, project-based course designed to expose students to the major concepts of engineering and prepares them to further explore engineering in college. Students explore a variety of engineering and high-tech careers and learn how engineering is powering our future. Students will apply a variety of creative engineering and scientific concepts to solve real-world problems. Students will develop problem-solving skills, teamwork capability and design techniques to build physical and virtual products and services for real-world customers. Students will also learn how to communicate their solutions to a variety of audiences. “We imagine, play, make, and transform” is our class motto. Young women in particular are encouraged to take this course to explore engineering as a possible major in college and as a career choice.

Engineering Applications in Earth and Space

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Creative Arts or Science Credit Course

The Engineering Applications in Earth and Space course is a survey course exploring many different applications of engineering as they pertain to both energy and space technologies. One semester will be devoted to studying engineering related to energy humans consume: fossil fuels, solar energy, wind energy, geothermal energy and biofuel in addition to volcanos and earthquakes and the civil engineering associated with building structures related to these catastrophic events. The other semester will explore engineering of human space travel. Beginning with some of the historical crafts, vehicles, satellites and rovers and moving through to modern engineering regarding these technologies. The planned Lunar base will be discussed as will upcoming manned missions to Mars. Engineering behind rocket propulsion, stage detachment, orbital acquisition, space flight and reentry will be covered for satellites as well as manned craft. Students will gain a foundational understanding of “rocket science,” some large-scale earth processes, energy consumption and space travel. Engineering branches investigated include chemical, civil, mechanical, robotic, computer, bioengineering and others. Students will participate in building models including some functional models and will also complete virtual simulations. Class discussion will integrate a Biblical worldview on these topics as students see God’s hand at work in nature and we discuss our obligation for both good stewardship and fair use of resources. The class will take a field trip to the Ocean Star Drilling Museum and to the NASA Johnson Space Center.

Technology Help Desk

Tenth, Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: By Application

Students will learn real life skills as they repair Mac computers, assist teachers and students on campus with technical issues, and run the Help Desk at The Woodlands Christian Academy. This class counts as a technology credit, and requires an interview to be considered. Only two students per class period are allowed, as this is a very hands-on course. At the end of the course, students will take the Apple Certified Macintosh Technician certificate test to become a certified Apple technician.

Visual Performance Electives

Animation

Ninth thru Twelfth Grade

Semester

Credit: 0.5

Prerequisite: N/A

In this class, students learn basic animation theory and mechanics, develop observational and drawing skills and study the fundamental principles of character design, layout, and storyboarding. This course includes Adobe Animate and Character Animate software.

Introduction to 2D Art

Ninth thru Twelfth Grade

Fall Semester Course

Credit: 0.5

Prerequisite: N/A

This class introduces students to the foundations of drawing and painting while reinforcing the Elements and Principles of Art and Design. Students will develop basic drawing skills and knowledge of technique through practice and progressive exploration. Students will study perspective, visual proportions/scale, a variety of mark making, the use of value and directional line using a wide range of media. Students will learn paint mixing, using tints and shades, rule of thirds for composition, painting texture, and color harmony while experimenting with a variety of painting styles and technique.

Introduction to 3D Art

Ninth thru Twelfth Grade

Spring Semester Course

Credit: 0.5

Prerequisite: N/A

This class introduces students to the foundations of 3D art. Additive (including modeling, fabrication, construction), Subtractive (carving), and Relief (printmaking) forms of sculpture will be experimented with using traditional and non-traditional materials. Students develop an understanding of form, space, volume, texture, surface plane, and line as they explore methods

such as ceramics, kinetics, outdoor and indoor installations, textiles, and working with found objects. Students will learn to develop their art through the design process: research, creative thinking, developing ideas, refining ideas, and then creating.

Art: 2D and Drawing Pre AP

Tenth, Eleventh, Twelfth Grade

Fall Semester Course

Credit: 0.5

Prerequisite: Completion of Introduction to 2D Art with a grade of 90 and above

This is an advanced level studio art course that offers students an in-depth opportunity to develop 2-D and drawing skills, explore personal expression, and research possibilities in a variety of techniques and media, all while studying the human form. The main focus of this class will be learning the basics proportions of the human form and figure, as there will be additional emphasis on portraiture. Students will work with line, shape, proportion, volume, shading and composition. They will further develop their skills and techniques in drawing from observation and explore a variety approaches and mediums throughout the semester.

Art: 3D Design Pre AP

Tenth, Eleventh, Twelfth Grade

Spring Semester Course

Credit: 0.5

Prerequisite: Completion of Introduction to 3D Art with a grade of 90 and above

This is an advanced level studio art course that offers students an in-depth opportunity to develop 3-D skills, explore personal expression, and research possibilities in a variety of techniques and media. Through a variety of functional art projects, students will be able to experiment with several 3-D mediums such as metal, paper, wood, reed, stone, textiles, wire, and clay. Students will learn how to manipulate these materials and use sculpting tools safely. In addition, students will analyze and examine other works of sculpture, architectural design, furniture design, and textiles through reading, discussion, and critique of geometric, abstract, and organic forms.

Art and Design AP

Eleventh, Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: Completion of Introduction to 2D Art AND Introduction to 3D Art with a grade of 90 and above

or

Completion of Art: 2D and Drawing Pre AP and Art: 3D Design Pre AP with a grade of 85 and above

The AP Art and Design course framework presents an inquiry-based approach to learning about and making art and design. Students are expected to conduct an in-depth, sustained investigation of materials, processes, and ideas. The framework focuses on concepts and skills emphasized within college art and design foundations courses with the same intent: to help students become inquisitive, thoughtful artists and designers able to articulate information about their work. AP Art and Design students develop and apply skills of inquiry and investigation, practice, experimentation, revision, communication, and reflection. There are three portfolios to choose from: Drawing AP, 2D Art and Design AP, and 3D Art and Design AP.

Drawing AP– This class is designed for work that focuses on the use of drawing skills, including mark-making, line, surface, space, light and shade, and composition.

2D Art and Design AP – This class is designed for work that focuses on the use of two-dimensional elements of principles of art and design. Possible processes include graphic design, digital images, photography, collage, fabric design, weaving, fashion design, illustration, painting, and printmaking.

3D Art and Design AP – This class is designed for work that focuses on the use of three-dimensional elements and principles of art and design such as figurative and nonfigurative sculpture, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3D fabric/fiber arts are among the possibilities for submission

Band/Drumline

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

High School Band offers the opportunity for musically advanced students to be involved in a performance group. Students continue to improve their musicianship and playing technique on their chosen instrument. Students perform music from various periods and styles including pep band, concert band, jazz band and movie music. This course instills discipline, teamwork, responsibility, and unity individually and corporately. Students strive for the highest level of musicianship and learn to perform effectively before an audience.

Students will be exposed to a broad range of musical styles, instrumentation, and ensembles addressing specific needs inherent to percussion technique and musicianship. Students are taught percussion fundamentals including hand technique, mallet technique, rhythm training, ear training, and music reading. The four primary areas of study are snare drum (both marching and concert), marimba, timpani and ethnic/unique percussion. Students gain performance experience in a multiple of settings such as solo, chamber and large ensemble configurations. During the Fall Semester, the members of the percussion class form the battery component of the band. During the Spring Semester the class priority shifts to percussion ensemble and concert repertoire.

Broadcasting

Ninth thru Twelfth Grade

Full Year Course

Credit:1.0

Prerequisite: By Application

The Broadcasting class familiarizes students with the basic principles of a broadcast production. In this course students work with sensitive equipment, so they must be responsible and trustworthy. In addition, students must be self-motivated, dependable, and able to work well as a team. Students are responsible for the production of video stories as well as special interest and documentary projects including script writing, video recording, and video editing using Adobe Premier Pro. The team will produce the weekly video announcements. Students will gain an understanding of both pre-production, on-air, and postproduction roles and responsibilities of news broadcasting. Students will take the Adobe Certified Associate (ACA) exam in Premiere Pro at the end of the year.

Dance Intensive

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: By Application**Creative Arts Credit or Physical Education Credit*

This class focuses on Jazz, Tap, and Ballet techniques. Students will develop technical skills, increase strength and flexibility, work on injury prevention by conditioning, as well as work on their performance quality. This course instills discipline, dedication, creativity, and memorization skills. Dance Intensive Students will perform at least two routines for the dance concert at the end of the year.

Dance Team

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: By Application**Creative Arts Credit or Physical Education Credit*

The TWCA Dance Team will meet during school as a class. This class is for those that love to dance and show off their skills with performance! Students will do many different styles of dances (jazz, kick line, contemporary, etc.) and will focus on learning dances to perform at various events throughout the year. They will have the opportunity to dance at events including pep rallies, athletic events, and Chapel. This course instills discipline, dedication, teamwork, creativity, and memorization skills. Students strive for the highest level of dance performance. The TWCA Dance Team will perform at least two dances in the Dance Concert at the end of the year.

Warrior Dance

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

*Prerequisite: By Audition**Creative Arts Credit or Physical Education Credit*

This is the advanced dance class at TWCA. The class will focus on dance technique, injury prevention/conditioning, choreography, and performance in styles such as ballet, jazz, tap, contemporary, and musical theatre. Students will be able to develop a high degree of technical ability and expressive range. This course instills discipline, dedication, teamwork, creativity, and memorization skills. The class will have opportunities to perform at various events throughout the year, such as during Chapel, and will perform at least two routines in the dance concert at the end of the year.

Music Production

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

Music Production focuses on a variety of musical concepts and creativity. Students learn basic harmony, rhythm, and piano, to write original musical compositions. Each project will be a creative

expression of each student and their inner musician. Additionally, students learn the necessary skills for music analysis which provides a greater depth of musical understanding. Finally, this class enables students to begin work in the areas of music production, sound engineering, and songwriting.

Photography & Graphic Design

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

This class introduces the principles of design focusing on photography, graphics, animation, and illustration. Students use traditional methods and digital software including Adobe suite to master digital art-based projects.

Photography II

Tenth, Eleventh Twelfth Grade

Full Year

Credit: 1.0

Prerequisite: Photography & Graphic Design

This full year course builds on the skills gained in Photography & Graphic Design. In this class, student learn advanced photographic skills including composition, advanced lighting, and portfolio building. Students develop a portfolio style and personal photography trajectory based on interest (studio, black-and-white photography, landscape, etc). This course includes expanded exploration of Adobe Photoshop and Lightroom software.

Introduction to Theater

Ninth thru Twelfth Grade

Fall Semester / Spring Semester Course

Credit: 0.5

Prerequisite: N/A

Students will have the opportunity to explore pantomime, impromptu acting scenes, skits, monologues, duet-acting scenes, some dance, music, read plays, and write some of their own material. There will be opportunities to learn about costuming, make-up, props, set design, music and dance. All theatre students will have the opportunity to participate in an end of semester play or musical.

Improv Theater: Project Theatre

Ninth, Eleventh, Twelfth Grade

Fall Semester

Credit: 0.5

Prerequisite: N/A

Students will expand on the what was learned in Introduction to Theater and continue to explore pantomime, impromptu acting scenes, skits, monologues, duet-acting scenes, some dance, music, read plays, and write some of their own material. There will be opportunities to learn about costuming, make-up, props, set design, music and dance. *All theatre Improve Theatre: Project Theatre students will participate in the high school production.*

Improv Theater: The Art of Comedy

Ninth, Eleventh, Twelfth Grade

Spring Semester

Credit: 0.5

Prerequisite: N/A

Students will explore different types of comedy techniques through short form improv, long form improv, skits, monologues, duet-acting, and theatre games. They will learn about the basics of Improv and how to create their own plays. This class will also serve as practice time for the High School Improv team that will perform shows in the spring.

Theater, Production, Audio Visual

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

*Theatre Prerequisite: By Audition**Production and Audio Visual: By Interview*

This course is for the students who will participate in the winter musical. This course is required for all students who wish to have a lead role in the musical. Auditions will be held in May of the previous school year and any additional students will be at the director's approval. Rehearsals outside of the normal school day will be required.

This class is designed for the following students:

- Lead Acting roles for the winter musical
- Lead role in stage management for the winter musical
- Lead role in AV for winter musical
- Dance Captain in the winter musical
- All participants in One Act competition.

VOCE High School

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: N/A

This is a vocal music course for high school students who have a desire to learn, sing and perform music. The goal of this course is to teach students the fundamentals of music, help create independence while learning and singing music and to become confident singers and develop an appreciation for music. This is a performance-based class.

PHYSICAL PILLAR

Physical Education

Students have three options to earn the required PE credits for graduation. The majority of the students earn credit by participating in one of the Woodlands Christian sports teams. The remaining students earn credits for participation in non-team sports, off-campus athletic training activities, or the athletic training program.

TWCA Sports: Athletic Period Required

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Students participating in the following sports are required to be in the Athletic period during the school day for the entire academic year for in season and off-season training.

- Baseball
- Basketball
- Football
- Soccer
- Softball
- Volleyball

TWCA Sports: No Athletic Period Required

Ninth thru Twelfth Grade

Credit 1.0

Students participating in the following sports are not required to be in the Athletic period during the school day but will receive a 1.0 physical education credit for in season and off-season training done through TWCA.

- Cheer
- Golf
- Swimming
- Tennis

Credit 0.5

Students participating in the following sports are not required to be in the Athletic period during the school day but will receive a 0.5 physical education credit for in season and may receive an additional 0.5 physical education credit through the Off Campus PE Program.

- Cross Country
- Track

Off Campus Physical Education (OCPE)

Semester

Credit 0.5

Ninth thru Twelfth Grade

Prerequisite: By Application

Students not participating in any of the TWCA sports listed in *Athletic Period Required* or *No Athletic Period* above have the option of obtaining a physical education credit through physical activity at an approved facility off campus. Juniors and Seniors are eligible to work on this credit during an early release period. Freshmen and Sophomores are eligible to work on this credit outside of the regular school day.

Athletic Training Student Program

Ninth thru Twelfth Grade

Full Year Course

Credit: 1.0

Prerequisite: By Application

The program consists of student athletic trainers assisting the Licensed and Certified Athletic Trainer(s) at TWCA in all aspects of athletic training. Student athletic trainers assist with or perform duties such as taping, practice setup, administering treatments, providing first-aid, injury evaluation, administering rehabilitation, and emergency care. Our student athletic trainers must be enthusiastic and dedicated to both the well-being of our student athletes as well as themselves.