



The Woodlands Christian Academy

2017-2018
High School Course Catalog

"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 challenges students to reach their highest potential – spiritually, academically, 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 AdvancED, 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 maintain a "90" average in a College

Preparatory course the year prior. To be considered for AP course placement, students must maintain an "85" or higher 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.

Biblical Studies

Foundations of Faith

Ninth Grade Two Semester Course Credit: 1.0

This class will focus on introducing students to the person of Christ and His teachings. Students will examine the concepts of reality, faith, and truth, followed by an introduction to the Christ-centered Theistic worldview as it compares to other major worldviews. Students will be challenged to apply the definitions of faith and truth through a personal examination of the claim that the Bible is God's collected book of inerrant revelation. The second semester of the course walks equips students to understand and apply the word of God through inductive Bible study, exegetical conversation and the mission of God throughout the narrative of Scripture.

Spiritual Formations- From Believer to Follower

Tenth Grade One Semester Course Credit: .5

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

Life of Christ

Tenth Grade One Semester Course Credit: .5

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

Leadership, Evangelism, and Discipleship

Tenth-Twelfth Grade One Semester Course Credit: .5

This course combines the study of the gospel of Mark and the book of Acts to illustrate Christ's principles for leading in the context of a small group of disciples and the principles of leadership in the early church. Students also study additional New Testament letters to identify how to lead themselves and others in the context of

contemporary culture. Class discussion is centered on practicing the habits and skills needed to reflect Christ within our circles of influence.

Philosophy and Theology

Eleventh/Twelfth Grade

One Semester Course

Credit: .5

This course combines the study of the basic philosophy of the nature of reality and Christ-centered theology with the exploration of the highly influential works of *Orthodoxy*, *Mere Christianity*, and *The Great Divorce*. Students also study original works from Plato and Nietzsche and other philosophers representing various worldviews. Class discussion is centered on becoming a “real Christian” and choosing to make one’s faith personal, dynamic, active, and joy-filled.

English

English I

Ninth Grade

Two Semester Course

Credit: 1.0

This course is designed to complete the foundation for students’ future high school literature classes. Students read a broad sampling of literary genres and classical works. An intense vocabulary-building component prepares students for future writing, more advanced reading, and future standardized tests. 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

Two Semester Course

Credit: 1.0

Prerequisites and Departmental Recommendation Required

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 at least as many hours of outside-the-classroom work as in-classroom instruction and work. What makes Pre-AP English classes different from College Prep English classes is the intensity and depth of analysis of fiction and non-fiction works. This course goes beyond the normal expectations of the regular classroom to much higher 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 this year. Students will create projects using, research using many sources, and write extensively. Through grammar and vocabulary study, students will sharpen their reading and writing skills as well.

English II

Tenth Grade

Two Semester Course

Credit: 1.0

Tenth Grade College Preparatory English 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

Two Semester Course

Credit: 1.0

Prerequisites and Departmental Recommendation Required

Tenth Grade English II Pre-AP is the threshold to the AP Language and Literature Program. 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 lens 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 accelerated course requires at least as many hours of homework as in-class instruction and work.

English III

Eleventh Grade

Two Semester Course

Credit: 1.0

Students read a wide variety of literary works as they focus on the elements of style in writing and the use of persuasion and rhetoric in exemplary American literature. Language mechanics are emphasized through expository, persuasive and creative assignments. Students examine works through the use of literary devices such as tone, diction, mood and style.

English IV

Twelfth Grade

Two Semester Course

Credit: 1.0

English IV is a college preparatory course with emphasis on British Literature. The course includes the analysis of literature, writing in response to literature and writing for research. Students should possess the necessary foundational English skills to enable them to conduct research and are responsible for research-based projects over the course of the year. In addition to the novel studies throughout the year, students explore poetry and short stories. The students prepare for college coursework by examining literature through a Christian worldview.

AP English Language and Composition

Eleventh and Twelfth Grade

Two Semester Course

Credit: 1.0

In this course, students will spend a major part of the year in the study of non-fiction prose from various authors and periods that serve as a model for learning how to analyze effective rhetorical strategies- how authors use devices such as diction, syntax, imagery, tone, point of view, and logical and emotional arguments to achieve a particular rhetorical purpose. Students will also practice writing their own informed arguments on a series of topics common to current public discourse.

The second major segment of the class is an examination of important American poets, short stories, novels, plays and non-fiction prose from 1620 to the present. Few national literature present as exciting an array of works, authors and themes as does our own American Literature, and the selections we read will help the students realize the value and vitality of America's literary heritage.

Foreign Language

Latin I

Ninth Grade

Two Semester Course

Credit: 1.0

Latin I introduces students to the Roman world and their Latin language! The Latin student will quickly learn that our current spoken English language includes over 60% of intact Latin today. Our reading based curriculum engages the 21st century learner via E-text/text. As they master the basic building blocks of the Latin language through vocabulary/grammar our students begin translating classic Latin texts and phrases transporting them into a world that greatly influenced ours.

Additionally, this course studies the rich history of Roman culture, religion, military, and politics that made Rome the dominant force of the Mediterranean world for more than 500 years, and how Rome contributed to the legal, political, and sociological structure

of our own country. Of course we also give a nod to the Greeks and their influences upon the Roman culture, most notably with Mythology.

Latin is more than medicine for standardized testing lending success to all areas of studies specifically analytical skills in STEM. TWCA has a chapter affiliation with The National Junior Classical League (Latin Club). "CARPE DIEM!"~Horace

Latin II

Tenth Grade

Two Semester Course

Credit: 1.0

Having mastered the more basic grammatical constructs and sentence structures of Latin in Latin I, the students will now study more complex Latin grammar concepts and syntax enabling them to translate authentic Latin stories, prose and poetry.

Inclusive of Latin I objectives the Latin II student will apply their skills within more specific studies of Roman maps/history and opportunities for composing their original stories into Latin by yearend. S.P.Q.R

Latin III

Eleventh Grade

Two Semester Course

Credit: 1.0

Latin III promotes the previous Latin course objectives to an even greater depth in all areas of classical Latin studies. It serves to consolidate the mastery of grammar constructs and sentence structures gained in Latin I and II. Latin III students will be introduced to a broader community of Roman authors, translate several Old Testament passages from their original language and explore a specific interest, e.g. Roman architecture. "AIEA IACTA EST!"~Caesar

Spanish I

Ninth Grade

Two Semester Course

Credit: 1.0

Spanish I is an introduction to the four language skills: reading, writing, understanding, and speaking Spanish, and to the geography and culture of Spain, Mexico, as well as Central and South America. Emphasis is placed on oral expression. Students learn the present, preterit, and future tenses of the indicative mood. 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. By the end of the course, students are asked to master basic structures in short guided compositions.

Spanish II

Tenth Grade

Two Semester Course

Credit: 1.0

At the end of this course, a continuation of Spanish I, students will be familiar with many

of the tenses of the indicative and the present tense of the subjunctive mood. Additionally, students will be able to use them in conversation. Students will be able to comprehend and respond to level-appropriate material spoken in context and at a normal rate. The students will be able to sight-read short authentic text and write short guided compositions that demonstrate control over simple sentences and a level-appropriate beginner 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.

Spanish III

Eleventh Grade

Two Semester Course

Credit: 1.0

Upon completion of this course, the 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) the imperatives, and the present and imperfect progressive tenses. This course will also review, refine, and expand all of the grammar that it is normally taught in Spanish I and II classes, as well as introduce the subjunctive mood. The 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 text, discuss cultural topics, and write short guided compositions that demonstrate control over both simple and complex structures, with a novice to intermediate range of vocabulary.

Spanish III Honors (Pre-AP)

Eleventh Grade

Two Semester Course

Credit: 1.0

This course primarily prepares students for the AP Spanish Language and Culture 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.

AP Spanish Language and Culture

Twelfth Grade

Two Semester Course

Credit: 1.0

The AP Spanish Language and Culture class is designed to prepare the students for the AP Spanish Language and Culture Examination 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.

***German I (Online course through Sevenstar Academy)**

Ninth Grade

Two Semester Course

Credit: 1.0

This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn 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 (Greetings, the Date, Weather, Time and Colors), students learn to express themselves using an ever increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind.

***German II (Online course through Sevenstar Academy)**

Tenth Grade

Two Semester Course

Credit: 1.0

This is an intermediate level course that will introduce the student to a variety of areas of language learning. In this course, the student will continue to learn 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 (Daily Routine, Animals, Pastimes, Body, Description), students learn to express themselves using an ever-increasing vocabulary, past-tense verbs, demonstrative articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind.

***German III (Online course through Sevenstar Academy)**

Eleventh Grade

Two Semester Course

Credit: 1.0

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.

***French I (Online course through Sevenstar Academy)**

Ninth Grade

Two Semester Course

Credit: 1.0

The goal of this course is to give students basic listening, speaking, reading, and writing skills through activities 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 - Greetings, Calendar, Weather, Time and Colors - students learn to talk about themselves and other, describe their surroundings and use numbers for dates and time. Regular verbs are introduced in the present tense. Simple grammatical structures are practiced in innovative and interesting ways with a variety of learning styles in mind.

***French II (Online course through Sevenstar Academy)**

Tenth Grade

Two Semester Course

Credit: 1.0

This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn 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 (Daily Routine, Animals, Hobbies, The Body and Descriptions), students learn to express themselves using an ever increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind.

***French III (Online course through Sevenstar Academy)**

Eleventh Grade

Two Semester Course

Credit: 1.0

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.

Mathematics

Algebra I

Ninth Grade

Two Semester Course

Credit: 1.0

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.

Algebra II/Pre-AP Algebra II

Tenth/Eleventh Grade

Two Semester Course

Credit: 1.0

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 import, 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.

Geometry/Geometry Pre-AP

Ninth/Tenth Grade

Two Semester Course

Credit: 1.0

With a standard course in geometry we step away from the number line and the Cartesian plane where we were more concerned more 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 we generally refer to as proof which forms a central theme of the course.

Pre-Calculus Pre-AP/Dual Credit

Eleventh/Twelfth Grade

Year Course

Credit: 1.0

As we look deeper into God's universe we encounter phenomena that cannot easily be modeled by polynomial functions. Phenomena such as wave motion or radioactive decay must be modeled alternatively. The functions primarily used to model such behavior are the exponential, logarithmic, and trigonometric functions. These functions are traditionally classified as transcendental functions, so called because they transcend the polynomial function. This course combines a rigorous look at these transcendental functions, their inverses and graphs, along with standard trigonometric identities, theorems, and equations. Other topics in finite mathematics include, mathematical induction, sequences and series, combinatorics and probability. We will also study matrices and determinants as well as topics in analytical geometry including parametric equations, and polar equations and their graphs.

AP Calculus AB

Twelfth Grade

Two Semester Course

Credit: 1.0

AP Calculus AB 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.

Finite Math

Twelfth Grade

Two Semester Course

Credit: 1.0

Finite is a survey of mathematical analysis techniques used in the working world. It gives valuable experience at organizing information and then analyzing it. Main topics covered include: mathematical model building, matrix algebra, linear programming and probability.

Statistics

Twelfth Grade

Two Semester Course

Credit: 0.5

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.

Science

Biology

Ninth Grade

Two Semester Course

Credit: 1.0

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 essential areas critical to biological sciences: cell biology, genetics, evolution and relatedness, and ecology. Skills such as critical thinking, experimental design, interpreting data, and evaluating information and issues using the scientific method are emphasized.

Biology Pre-AP

Ninth Grade

Two Semester Course

Credit: 1.0

Pre-AP Biology approaches the study of living systems from a contemporary point of view. While the course covers the same topics as the introductory level biology course, there is a strong emphasis on the biochemical and molecular basis of organism structure and function. Students in this course also explore the latest advances in biotechnology. Collaborative and independent research opportunities are woven throughout the curriculum to sharpen critical thinking, experimental design, and data interpretation skills.

Chemistry

Tenth Grade

Two Semester Course

Credit: 1.0

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

Two Semester Course

Credit: 1.0

Prerequisites and Departmental Approval Required

Pre-AP Chemistry is for students who exhibit exceptional aptitude in math and science who tend to take AP Chemistry. Pre-AP Chemistry focuses on the essential principles and processes of chemistry to a greater breadth and depth than the College-

Preparatory Chemistry. Chemistry is the study of structure and composition of the different kinds of matter, the change which matter may undergo, and the phenomena that occur in the course of these changes. This course is designed to provide an in-depth understanding and knowledge of God's creation.

Physics

Eleventh/Twelfth Grade

Two Semester Course

Credit: 1.0

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.

AP Biology

Eleventh/Twelfth Grade

Two Semester Course

Credit: 1.0

Advanced Placement Biology is designed to be the equivalent of a college introductory biology course. As students expand on and make connections between the ideas and concepts explored in previous biology and 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. Advanced Placement Examination is required.

AP Chemistry

Eleventh/Twelfth Grade

Two Semester Course

Credit: 1.0

Advanced Placement Chemistry 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.

AP Physics

Eleventh/Twelfth Grade

Two Semester Course

Credit: 1.0

Advanced Placement Physics 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. These activities complement thought experiments and class discussions to prepare students to take the College Board's AP Physics Exam for potential college credit. 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.

Anatomy and Physiology

Eleventh/Twelfth Grade

Two Semester Course

Credit: 1.0

Human Anatomy and 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 also examine the latest developments in regenerative medicine and explore how topics presented in class interface with society. Lab investigations and dissections are integral to the course. A cumulative cat dissection takes the place of the final exam.

Anatomy and Physiology Honors with Capstone Project

Twelfth Grade

Two Semester Course

Credit: 1.0

Seniors have the opportunity to take Human Anatomy and Physiology for honors credit. These students should have plans to pursue a career in medicine or related biological science. All elements of the college-prep level course apply, but honors students attend and reflect upon two college-level lectures, have the opportunity to shadow physicians, are responsible for a greater depth of course content, and create a research plan based on their chosen university and field of study.

Engineering Design and Problem Solving - Honors with Capstone Project
Eleventh/Twelfth Grade Two Semester Course Credit: 1.0

Engineering design is the creative process of solving problems by identifying needs and then devising solutions. This solution may be a product, technique, structure, or process depending on the problem. Science aims to understand the natural world, while engineering seeks to shape this world. Science reveals what is; engineering makes what can be. This course engages young women and men in authentic engineering experiences and inspires them to embrace an engineer's habits of mind. Collaborative, student-directed, and socially relevant projects develop creative problem-solving skills, entrepreneurial thinking, and agile teamwork. The highlight of this course is the Capstone Project in which students work in teams to identify real-world problems in the local community and then design, prototype, field-test and finally deliver solutions. This engineering course is based closely on the Engineer Your World program developed by The University of Texas at Austin. Young women are especially encouraged to take this course to explore engineering as a possible major in college and as a career choice.

Prerequisites and Departmental Recommendation Required (physics, algebra 2, geometry, chemistry)

Principles of Engineering
Eleventh/Twelfth Grade Two Semester Course Credit: 1.0

Principles of Engineering is a hands-on, project-based course designed to expose young women and men 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.

Social Studies

World Geography
Ninth Grade Two Semester Course Credit: 1.0

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

Two Semester Course

Credit: 1.0

Modern World History is a college-preparatory study that covers 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.

AP World History

Tenth Grade

Two Semester Course

Credit: 1.0

The AP World History course focuses on developing students' understanding of the world history from approximately 8000 BCE to the present. This college-level course has students investigate the content of world history for significant events, individuals, developments, and processes in six historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past.

The course also provides five themes (interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; development and transformation of social structures) that students explore throughout the course in order to make connections among historical developments in different times and places encompassing the five major geographical regions of the globe: Africa, the Americas, Asia, Europe, and Oceania.

U.S. History

Eleventh/Twelfth Grade

Two Semester Course

Credit: 1.0

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 throughout the course.

AP U.S. History

Eleventh Grade

Two Semester Course

Credit: 1.0

The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and 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

Eleventh/Twelfth Grade

One Semester Course

Credit: 0.5

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. The 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.

Economics

Eleventh/Twelfth Grade

One Semester Course

Credit: 0.5

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 how they influence 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.

Physical Education

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

Technology

Foundations of Technology I and II

Ninth – Twelfth Grade One Semester Course Credit: 0.5

Foundations of Technology I and II are half-credit courses offered in the fall (Foundations of Technology I) and the spring (Foundations of Technology II). Both courses emphasize the knowledge and skills associated with the basics of computer education. Students develop computer literacy skills to adapt to emerging technologies used in the global marketplace. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. Students enhance reading, writing, computing, communication, and reasoning skills and apply them to the information technology environment. The course extends proficiency in hands-on skills related to microcomputer systems and applications. Emphasis is placed on word processing, creating spreadsheets, presentation software, basic programming, desktop publishing, web design, video technology, entry-level integrated software, and social implications of computer use. The course focuses on using the microcomputer as a productivity tool in varied use.

Pre-AP Computer Science

Ninth – Twelfth Grade Two Semester Course Credit: 1.0

Pre-AP Computer Science is an introductory course giving students their first exposure to the Java programming language and their first foray into computational thinking utilizing the problem solving skills learned in Algebra I and prior math classes.

AP Computer Science A

Tenth – Twelfth Grade Two Semester Course Credit: 1.0
Pre-AP Computer Science or Departmental Approval Required

AP Computer Science A 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 Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems.

AP Computer Science Principles

Tenth – Twelfth Grade Two Semester Course Credit: 1.0
Pre-AP Computer Science or Departmental Approval Required

The AP Computer Science Principles course is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them.

Students must have a strong foundation in basic algebraic concepts dealing with function notation and problem-solving strategies that require multiple approaches and collaborative efforts.

Technology Help Desk

Tenth – Twelfth Grade Two Semester Course Credit: 1.0

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.

Fine Arts Electives

Art IA (2D Drawing and Painting)

Ninth – Twelfth Grade One Semester Course Credit: 0.5

This one-semester course (Fall Course) introduces students to the Elements of Art and Principles of Design while developing drawing skills, and painting and printmaking techniques. Studio experiences in the classroom will give students opportunities to experience a variety of media including pencil, pen, ink, charcoal, pastel, watercolor, and tempera paint.

Art IB (Design and 3D Art)

Ninth – Twelfth Grade

One Semester Course

Credit: 0.5

Students are introduced to 3D art and design in this Spring Course, including ceramics, sculpture, and architecture. Craft and fashion design is introduced and includes individualized projects such as, woodworking and furniture building, basketry, fiber arts (embroidery, weaving, knitting/crochet, clothing design and construction), jewelry making, and traditional Folk arts.

Art II

Ninth – Twelfth Grade

One Semester Course

Credit: 0.5

Art I and/or Departmental Approval Required

An advanced level course in drawing and painting with an emphasis on developing a greater depth of understanding of art and application of the Elements of Art and Principles of Design to their work in a variety of media. Studio experiences include drawing, painting, illustration, sculpture, ceramics, 2D and 3D design, and commercial art. In addition, students will learn about Art History and Culture.

Advanced Art

Tenth – Twelfth Grade

One Semester Course

Credit: 0.5

Art II and/or Departmental Approval Required

Students will pursue a personalized course of art in their chosen field of expertise. Students will participate in local and statewide art competitions, build a personal portfolio of art, and be able to display their art in public.

AP Studio Art

Ninth – Twelfth Grade

Two Semester Course

Credit: 1.0

Foundational Art Courses and/or Departmental Approval Required

The AP Studio Art Program consists of three portfolios — 2-D Design, 3-D Design and Drawing — corresponding to the most common college foundation courses. Students may choose to submit any or all of the Drawing, Two-Dimensional Design, or Three-Dimensional design portfolios. AP Studio Art students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions.

Concert Band

Ninth – Twelfth Grade

Two Semester Course

Credit: 1.0

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.

Theater

Ninth – Twelfth Grade

Two Semester Course

Credit: 1.0

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

***Digital Photography (Online course through Sevenstar Academy)**

Tenth--Twelfth Grade

One Semester Course

Credit: 0.5

Some sights have to be shared. In the digital photography and graphic design lessons, students are encouraged to reflect the creative nature of God through the use of photography. They begin by learning general photographic concepts. Then composition skills are added to photographs and image-editing techniques are practiced. Students learn how to use layers, crop images, color and lighting concepts, hue and saturation, and exposures and special effects. Graphic design, artistic elements, and software skills are taught while producing graphic images. The concept of design as a manner of visual communication and a reflection of God's creative nature is carried throughout. Students build a portfolio of work and explore the fields of photography, graphic arts, advertising and illustration.

***Music Appreciation (Online course through Sevenstar Academy)**

Eleventh/Twelfth Grade

One Semester Course

Credit: 0.5

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

Electives

Creative Writing

Ninth–Twelfth Grade

One Semester Course

Credit: 0.5

Creative writing is a one-semester course, which places emphasis on improving each student's ability to communicate using the written word. Students will communicate the written word through a variety of methods including exploring the writing process through the writing of journals, poetry, short stories, and nonfiction, as well as crafting writing pieces in varying genres. Students will read, interpret, and analyze a variety of poems, nonfiction, and fictional works by a variety of authors. Through reading and writing activities, students will gain an understanding of the elements and forms of writing in order to create their own written pieces. Over the course of the semester, students will be able to identify and utilize their writing style and original voice. Students will be responsible for submitting at least two edited pieces into contests over the course of the semester. Aside from broadening students' literary scope, helping them read with a critical eye, and exposing them to constructive criticism, this class will cultivate an artistic appreciation for the beauty of language.

Yearbook

Ninth–Twelfth Grade

Two Semester Course

Credit: 1.0

Students acquire skills in layout, copywriting, and photography as they work throughout the year to publish Woodlands Christian's award-winning yearbook. Student staff members also learn to sell advertising, interview other students and parents, and work with teachers to ensure full coverage of their students in the yearbook. Senior staff members are responsible for managing student teams to cover academic, athletic and extracurricular life. Experienced staff members have the opportunity to serve as editor and assistant editors in this student-driven publications class.

Speech/Debate I

Ninth – Twelfth Grade

One Semester Course

Credit: 0.5

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.

Speech/Debate II

Ninth – Twelfth Grade

One Semester Course

Credit: 0.5

A continuation of Debate 1, Debate 2 offers Honors credit provided the students read and present an oral presentation of Steven Covey's 7 Habits of Highly Effective People, participate in Debate Competitions, provide a living portfolio of all debate cases, and contribute to the electronic extemp file. Students will learn advanced debate techniques, on going current events, and oratorical speaking. Students will act as role models for the Debate 1 students.

AP Psychology

Eleventh/Twelfth Grade

Two Semester Course

Credit: 1.0

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas.

Senior Seminar

Twelfth Grade

Two Semester Course

Credit: 1.0

This required TWCA course is comprised of four parts:

Part A – **“Introduction to Life Calling”** is a gateway course that introduces students to the concept of making a positive difference in the world by developing character, scholarship, and leadership. This course helps students 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.

Part B – **“College life preparation”** and **“Current event/issue discussions”** will be periodically woven into the weekly work. Guest speakers will include alumni, college recruiters and others to dialogue with the students to prepare them for life at college.

Part C – **“Personal Finance basics”** is a compilation of direct experiences and presentations from Christian financial experts on areas such as: Budgeting, Saving, Debt, Giving, Taxes and Insurance. The purpose is to give students a working

knowledge of these areas to equip them for college and the associated financial decisions as they move forward in their lives.

Part D – **“Health.”** In partnership with Liberty University, we provide separate courses focused on Girl’s and Boy’s healthy lifestyles and choices. The course focuses on developing overall health and wellness in the following areas: Spiritual, Mental and Emotional, Physical, Social and Preventative.