



CALVARY
DAY SCHOOL

2024-2025
HIGH SCHOOL COURSE CATALOG

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Welcome to Calvary Day School!

We are pleased that you are joining us for the registration of the 2024-2025 school year. With a view to the successful completion of high school, we encourage you to be praying about next year's classes. Proverbs 16:1 teaches that plans are ours to make, but ultimately we know our lives belong to God. As you go through the registration process, please take time to read through this catalog carefully.

You should:

1. Pray over your decisions as you seek God's revelation for your academic direction.
2. Use the Four-Year Planning guide on page 4. If you are a returning student, compare this new plan with previous years' plans that you have made. There may be changes that require you to re-evaluate your previous plans.
3. Read and follow the guidelines for honors and Advanced Placement courses on page 5. We will adhere to these very closely.
4. Be honest with yourself in your course selections. Take the hardest courses you can handle while still achieving a high level of success.
5. **MEET THE SCHOOL'S DEADLINES FOR REGISTRATION!** Effective scheduling depends upon getting course requests promptly.

GRADUATION REQUIREMENTS

SUBJECT	CREDITS
Biblical Studies <i>1 credit per year</i>	4 Credits
English <i>1 credit per year</i>	4 Credits
Mathematics <i>1 credit per year</i>	4 Credits <i>must include at least one course beyond Algebra II</i>
Science and Social Studies	<p style="text-align: center;"><u>Option 1</u> 4 Credits of Science <i>Must include Biology, Chemistry and 1 additional lab-based science</i></p> <p style="text-align: center;">3 Credits of Social Studies <i>Must include US History</i></p> <p style="text-align: center;"><u>Option 2</u> 3 Credits of Science <i>Must include Biology, Chemistry and 1 additional lab-based science</i></p> <p style="text-align: center;">4 Credits of Social Studies <i>Must include US History</i></p>
Foreign Language	2 Credits of Spanish <i>3 credits are recommended to bolster college admission considerations</i>
Wellness	1 Credit <i>May include .5 credit per Varsity sport season</i>
Fine Arts	1 Credit* <i>Effective for the Class of 2027</i>
Electives	3 Credits
Service Hours	<i>Students must obtain a minimum of 80 service hours. Students who obtain more than 100 hours will receive an honor cord upon graduation.</i>
TOTAL	26 Credits* <i>Effective for the Class of 2027 25 Credits through the class of 2026</i>

High School 4-Year Planning Worksheet and Course Sequence Options

Academics	9 th Grade	10 th Grade	11 th Grade	12 th Grade	
Biblical Studies <i>4 credits</i>	Bible 101	Bible 201	Bible 301	Bible 401 Honors	
English <i>4 credits</i>	English 1 <i>(Standard or Honors)*</i>	English 2 <i>(Standard or Honors)*</i>	English 3 <i>(Standard or Honors)*</i>	English 4 <i>(Standard or Honors)*</i>	
			AP Eng. Language	AP Eng. Literature	
Math <i>4 credits</i>	Geometry <i>(Standard or Honors)*</i>	Algebra 2 <i>(Standard or Honors)*</i>	Pre-Calculus Honors	Calculus Honors	
			Adv. Functions <i>(Standard or Honors)*</i>	AP Calculus AB	
				AP Calculus BC	
	Algebra 1	Geometry <i>(Standard or Honors)*</i>	Algebra 2 <i>(Standard or Honors)*</i>	Honors/AP Statistics	Pre-Calculus Honors
				Pre-Calculus Honors	Pre-Calculus Honors
				Adv. Functions <i>(Standard or Honors)</i>	Consumer Math Honors
Science* <i>3-4 credits</i> <i>(Must include Biology, Chemistry and 1 additional lab-based science)</i>	Biology <i>(Standard or Honors)*</i>	Chemistry <i>(Standard or Honors)*</i>	AP Biology	AP Biology	
			AP Chemistry	AP Chemistry	
			AP Physics	AP Physics	
			AP Enviro. Science	AP Enviro. Science	
			Enviro. Sci. Honors	Enviro. Sci. Honors	
		Human Anatomy <i>(Standard or Honors)*</i>	Human Anatomy <i>(Standard or Honors)*</i>		
		Earth/Environmental Science <i>(Standard or Honors)*</i>	Chemistry <i>(Standard or Honors)*</i>	AP Biology	
				AP Chemistry	
				AP Physics	
				AP Enviro. Science	
Earth/Enviro. Sci. Honors					
Human Anatomy <i>(Standard or Honors)*</i>					
Social Studies* <i>3-4 credits</i> <i>(Must include US History)</i>	Western Civilization <i>(Standard or Honors)*</i>	American Government <i>(Standard or Honors)*</i>	US History <i>(Standard or Honors)*</i>	AP US History	
		AP US Gov't & Politics	AP US History		
			AP US Gov't & Politics		AP US Gov't & Politics
Language <i>2 credits</i>	Spanish 1 <i>(Standard or Honors)*</i>	Spanish 2 <i>(Standard or Honors)*</i>	Spanish 3 Honors	Spanish 4 Honors	
		Spanish 1 <i>(Standard or Honors)*</i>	Spanish 2 (Standard or Honors)*	Spanish 3 Honors	
	Spanish 2 <i>(Standard or Honors)*</i>		Spanish 1(Standard or Honors)*	Spanish 2 <i>(Standard or Honors)*</i>	
		Spanish 3 Honors	Spanish 4 Honors	Spanish 5 Honors	
	AP Spanish*				
Wellness <i>1 credit</i>	May be taken at any point during 9 th -12 th grades.				
Fine Arts <i>1 credit</i>	One Fine Arts credit required beginning with the class of 2027. May be taken at any point during 9 th -12 th grades.				
Electives <i>3 credits</i>	Three elective credits required. May be taken at any point during 9 th -12 th grade years.				

Be mindful of prerequisites when moving from Standard level to Honors level or from Honors to AP

Seniors will be required to attend a minimum of six classes on campus unless they have administrative approval

Curriculum Overview

CDS is a college preparatory school, and all courses are designed to prepare students for college admission. Honors-level courses are designed to require additional reading, higher analytical and synthesis skills, more demanding writing, and greater integration of philosophical content. **Homework loads increase by 30 to 50 percent for honors-level courses.**

The Advanced Placement Program (AP) allows students to pursue college-level courses while still in high school. These courses require special training of the staff. Students in these courses will have considerably more homework per class period. These courses demand superior reading, writing, and thinking skills. Juniors and seniors may enroll if they meet the prerequisites. Sophomores who hold unusually high ability and performance and who meet the prerequisites may enroll in AP US Government and Politics.

Students are responsible for the cost of their AP course textbook and AP examination(s) fee.

Students who enroll in AP courses are required to take the AP examinations in May. Students whose AP scores are canceled due to failure to abide by College Board's testing protocol and standards will not receive AP credit on their GPA. If this occurs, only credit for an honors class will be given.

Guidelines/Prerequisites for Honors and Advanced Placement Courses

While each course may have special reasons to set standards different from these general guidelines, the prerequisites for Honors level courses include:

- Successful completion of the immediately preceding subject-related Honors course or an 88 average in the immediately preceding subject-related standard-level course.
- For an Advanced Placement course, the prerequisites include the following: A 90 or higher average in the immediately preceding subject-related Honors course and the successful completion of the requested AP class DBQ.
- Students may not move from a standard-level course to an Advanced Placement course.

Elective Courses

Elective courses broaden a student's learning experience in areas such as fine arts, performing arts, seminar-style courses, etc., as well as, provide support to their core curriculum classes. Students have the opportunity to explore areas of interest or further study an area they are passionate about. For more information regarding Calvary Day Schools elective options, please see page 14.

Please note that students enrolling in AP Chemistry and AP Biology are required to enroll in the corresponding lab, which will fill another period on their schedule.

Students may have no more than one study hall during a school year and no more than two years (or four semesters) of study hall during the four years of high school without administrative approval.

ALL COURSES ARE OFFERED SUBJECT TO ENROLLMENT AND TEACHER AVAILABILITY.

COURSE DESCRIPTIONS

Biblical Studies

Bible 101

9th Graders will complete an Old Testament Survey study led by our adapted Grasping God's Word curriculum and supplemented by the Bible Project videos. In addition, they will complete an exegetical study through the book of Genesis.

Bible 201

10th Graders will complete a New Testament Survey study led by our adapted Grasping God's Word curriculum and supplemented by the Bible Project videos. In addition, they will complete an exegetical study through the book of Hebrews.

Bible 301 Honors

11th Graders will complete an Inductive Bible study and Biblical Ethics study led by our adapted Grasping God's Word curriculum and supplemented by the Mere Christianity by C.S. Lewis. In addition, they will complete an exegetical study through the book of Ephesians.

Bible 401 Honors

12th Graders will complete an Apologetics study led by our adapted Grasping God's Word curriculum and supplemented by the Bible Project videos. In addition, they will complete an exegetical study through the book of Romans.

English

English I

English I Honors (*Prerequisites – see page 5*)

The English I curriculum heavily emphasizes the continued development of sound grammar skills, the expansion of vocabulary, both written and spoken, the further development of a solid foundation for lifelong writing techniques, and the examination of a variety of world literature ranging from the ancient Mesopotamians to twentieth-century authors. Most importantly, throughout these literary masterpieces, as themes emerge and characters behave in ways that are contrary to the Christian worldview, students understand man's inclination toward disobedience, the inevitable consequences of such choices, and the appropriate response as Christians who are reading analytically and from a Biblical perspective.

English II

English II Honors (*Prerequisites – see page 5*)

This course is a study of numerous literary works with an emphasis on thematic elements such as prejudice, the inherent nature of man, redemption, forgiveness, and war. As a part of the annual study of a Shakespearean work, this course includes *A Midsummer Night's Dream*. As students think critically about each work from a Christian perspective and discuss their ideas in preparation for writing analyses, they will become more skilled in communicating effectively. Units will consistently include grammar, vocabulary, research, oral presentation, and composition. Assessment for honors students will include additional responsibilities for writing and projects.

English III

English III Honors (*Prerequisites – see page 5*)

In this course, analysis of American literature is the focus, including research papers and other shorter written assignments. Students will review and improve grammar and usage in writing and speaking. Higher levels of critical thinking are practiced as students evaluate the worldview of authors, comparing those to the Christian

worldview. In addition to several important American novels such as *The Scarlet Letter* and *The Great Gatsby*, students will also continue their Shakespearean study with *Hamlet*.

English IV

English IV Honors (*Prerequisites - see page 5*)

The purpose of English IV is to provide students with a selective canon of the entire range of English literature from the beginnings to recent times. The course additionally involves advancing individual writing skills, improving listening habits and speaking skills, reviewing grammar, broadening vocabulary, and thinking analytically. As students analyze literature from a Christian worldview, they will be required to complete an original research paper, oral and written literary analysis, and numerous other compositions.

AP English Literature & Composition (*Prerequisites – see page 5*) *The estimated time of homework this course requires is about 7 hours per week.*

This AP course focuses on close reading and extensive writing as students approach literature from a Christian perspective. Participants learn to make careful observations of textual detail, establish connections among their observations, and, from these, to make inferences and conclusions about the meaning and value of literary works. As students analyze world literature with an emphasis on British works, they will study elements of style. In-class timed writings are used to prepare students to express ideas cogently. Students who complete this course will be required to take the AP English Literature and Composition Examination. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

AP English Language & Composition (*Prerequisites – see page 5*)

This AP course initiates students to college-level thinking, reading, and writing skills. Students will engage in critical thinking activities which link to close-reading skills and analytical writing. This course focuses on building each and every student's ability to effectively communicate through stronger writing, critical thinking, and purposeful understanding of arguments. The course texts consist of a variety of fiction and nonfiction from British and American Texts. Students will analyze all texts in light of historical, literary, and biblical perspectives. Students will practice writing in several different styles and rhetorical modes, with special emphasis on the development of skills required by the AP Language and Composition exam. This course will be challenging: students should expect to write many essays and read extensively outside class. Each student will have the opportunity to grow through revision and rewriting processes. Supportive to these emphases, formal vocabulary instruction will help to prepare students for college entrance exams. Students will be expected to take active control of learning processes in order to become independent and articulate thinkers prepared to succeed in college and the world beyond. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

Foreign Language

Spanish I

Spanish I Honors- (*Prerequisite: Must have a grade of 88 or higher in both English and either Math or Science.*)

This course is a study of the basic elements of Spanish language and culture. Students will learn grammatical structures and vocabulary in a communicative setting. Students should comprehend, speak, read, and write in the present and preterite tenses by the end of the course. Students will also study geography, history, and culture of Spanish-speaking countries.

Spanish II (*Prerequisite: Spanish I*)

Spanish II Honors (*Prerequisite—See page 5*)

In this continuing study of the Spanish language and culture, students learn to use present, preterite, imperfect, future, present progressive and the present tense of the subjunctive mood along with formal and informal commands. Students increase their working vocabulary and conversational skills and should be able to speak and

understand Spanish in the classroom. Students will continue to study the geography and culture of Spanish-speaking countries to build on their understanding of Latin America and Spain.

Spanish III Honors (*Prerequisites—See page 5*)

This detailed study of Spanish structures emphasizes communication skills. Students reinforce their command of all verb tenses previously learned and learn to use tenses of the subjunctive mood and the perfect tenses. There is also an emphasis on cultural aspects of Hispanic life through Spanish literature. Students will be expected to speak in Spanish, read edited works, and write compositions in Spanish.

Spanish IV Honors (*Prerequisites: Spanish I, II, III or equivalent preparation at discretion of the teacher*)

Spanish IV is a continuing in-depth study of the Spanish language with a review of all verb conjugations, details of the various parts of speech, and other fine points of grammar, as well as extensive vocabulary building. Students will discuss literature and develop short and longer compositions. Comprehension, speaking, reading, and writing skills will be emphasized.

AP Spanish Language and Culture (*Prerequisites: Spanish IV Honors*)

The AP Spanish Language and Culture class is offered to students who have successfully completed Honors Spanish IV. This course is a college-level course taught almost exclusively in Spanish which requires students to engage in the language through six different units. The six units include families in different societies, the influence of language and culture on identity, influences of beauty and art, how science and technology affect our lives, factors that impact the quality of life, and environmental, political, and societal changes. The class focuses on a variety of assessments including e-mail replies, argumentative essays, simulated conversations, and cultural comparisons with each unit. The course is rigorous and requires the students to write essays and read educational articles. Formal vocabulary will be implemented while studying each unit as well. The three types of communication, which are presentational, interpersonal, and interpretative, will also be practiced throughout the course. Students will grow in their understanding of other cultures while fine-tuning their speaking, writing, listening, and comprehensive skills. *The estimated time of homework this course requires is about 3 hours per week. Students are responsible for the cost of their AP course textbook and AP examination(s) fee.*

Mathematics

*****The high school mathematics department requires the use of a TI-graphing calculator. The TI-83 or 83-Plus is sufficient. If a student is purchasing a new calculator, the TI-84 Plus is preferred.**

8th Grade Algebra 1 Honors

Algebra 1 Honors is a rigorous course that introduces basic algebraic skills and provides the foundation for all subsequent math courses. Topics include but are not limited to, properties of real numbers, relations, linear, quadratic, and exponential functions, graphing equations and inequalities, systems of equations, radicals, factoring polynomials, rational equations, and mathematical modeling. This is a high school-level course.

Algebra I

Algebra I is the foundational mathematics course for all subsequent math classes. Algebra I involves the study of algebraic concepts and skills for use with variables, formulas, the real number system, linear equations, inequalities, probability, and the graphs of relations and functions. Problem-solving is integrated throughout the year. A few statistics topics are integrated into the course as well.

Geometry (*Prerequisite: Algebra I*)

In Geometry, students will begin with an understanding of basic geometric concepts, including points, lines, and planes, and will go on to master the identification and features of angles, angle pair relationships and polygons. Students will learn the basic types of transformations. Students will study inductive and deductive reasoning and will learn to construct proofs. The relationship between parallel and perpendicular lines will be investigated, and finding the distance between parallel lines and the distance between a point and a line will be studied. Students will become proficient in recognizing and proving triangle congruence and similarity. Mastery of solving right triangles and using basic trigonometry is included in the course. Students will learn what defines a quadrilateral and will learn the features of various types of quadrilaterals. Students will study circles, including arc measure and sector areas. Students will calculate the area and perimeter of various shapes and will learn to solve for the surface area and volume of three-dimensional shapes.

Geometry - Honors (*Prerequisites – see page 5*)

Honors Geometry covers all topics included in Geometry, with a more robust treatment of most topics. It is taught at a faster pace than Geometry and requires a very strong background in basic mathematics and algebra. The problems in Honors Geometry are more difficult and the homework load is greater. Honors Geometry students are expected to be independent thinkers and workers.

Algebra II (*Prerequisite: Geometry*)

Algebra II is a mathematics course involving the study of linear and quadratic functions. Also included is the analysis of matrices, linear systems, polynomial, exponential and logarithmic functions. The course concludes with rational and radical equation survey.

Algebra II - Honors (*Prerequisites – see page 5*)

Algebra II places an emphasis on problem-solving and new skill development and less emphasis on reviewing Algebra I topics. Students are encouraged to develop a more independent style of reading and studying mathematics at a faster pace. **(NOTE: All students must take a placement test toward the end of their year in Algebra II to help determine placement for subsequent math courses.)**

Pre-Calculus Honors (*Prerequisite: Algebra II, Prerequisites - see page 5*)

Pre-Calculus is a mathematics course involving the study of advanced topics, including extensive work with polynomial, rational, radical, exponential, and logarithmic functions and their graphs. Second semester includes a thorough development of trigonometry. This course is a prerequisite for AP Calculus and taught at a rigorous level to prepare students for that course or for a college-level mathematics course. The material is covered at a fast pace and studied at an in-depth level.

Calculus Honors (*Prerequisite - Pre-Calculus Honors or Teacher Recommendation from AFM Honors*)

Calculus Honors includes a study of both differential and integral calculus. The course begins with a discussion of limits and includes some basic application of calculus including related rates and area and volume of non-geometric shapes. Topics are covered thoroughly, but not as deeply or as rigorously as the AP Calculus course.

Statistics Honors (*seniors only who have completed AFM*)

This course covers concepts in statistics and probability. Students cover topics such as one-variable and two-variable data, methods of data collection, data analysis, probability theory, and drawing conclusions from data. In this course, there is a strong emphasis on real-world applications through labs and projects.

Consumer Math Honors- (*Prerequisite - Completion of AFM or equivalent course*)

Consumer Math Honors is a course in Financial Literacy, equipping students to be good stewards with the monetary resources God has given them. Course topics include a brief review of math skills, budgeting, banking,

borrowing money, life and health insurance, acquiring housing and transportation, along with other consumer math topics.

AP Statistics (prerequisite B average in Honors Pre-Calculus)

The topics for AP Statistics are divided into four major themes: Exploratory analysis of data using graphical and numerical techniques to study patterns and departures from patterns. Planning and conducting a study through data collecting according to a well-developed plan if valid information is to be obtained. Probability is the tool used for anticipating what the distribution of data should look like under a given model and statistical inference is the selection of drawing conclusions. These skills will be taught through lectures and in-class labs. The estimated time for homework required for this course is about 1-2 hours per week. **Students are required to take the AP Statistic Exam and are responsible for the cost of their AP textbook and test fee.**

AP Calculus AB (Prerequisites – see page 5)

AP Calculus includes a thorough study of differential and integral calculus. The course begins with a discussion of limits and continues with an in-depth study of differentiation and integration including their applications including related rates, optimization, curve sketching, and area and volume of non-geometric shapes. Topics are covered from analytical, graphical, tabular and verbal points of view. Students taking this course are required to take the AP Calculus AB Exam in May. **Students are responsible for the cost of their AP course textbook and AP examination fee.**

AP Calculus BC (Prerequisites: AP Calculus AB – see page 5) *The estimated time of homework this course requires is between 3-5 hours per week.*

This is a full-year course, which includes all topics covered in Calculus AB plus additional topics. Both courses represent college-level mathematics for which most colleges grant advanced placement and credit. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB. AP Calculus BC is the study of limits, derivatives, definite and indefinite integrals, polynomial approximations and (infinite) series. Along with the study of single-variable calculus, parametric, polar, and vector functions will be studied. Calculus BC covers topics that are usually included in the first 3 semesters of college calculus. Students taking this course are required to take the AP Calculus BC Exam in May. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

Advanced Functions and Modeling (Prerequisite: Algebra II)

This course provides an in-depth study of modeling and applying functions. Applications will come from various real-life situations.

Advanced Functions and Modeling - Honors (Prerequisites – see page 5)

This course provides an in-depth study of modeling and applying functions. Applications will come from home, work, recreation, consumer issues, public policy, and scientific investigations among other areas. Manipulatives, calculators, and application software are used for instruction and assessment.

Science

Biology

Biology Honors (Prerequisites – see page 5)

The biology course will include an overview of cellular biology, basic chemistry, genetics, microbiology, plant and animal kingdoms, human anatomy, and ecology. The comparison and influence of worldviews are discussed to highlight theories of creation, evolution, and the origin of living things. Students will exercise principal laboratory skills that build confidence for future science courses. This course is often taken during the freshman year as a strong foundation for future success in high school science and beyond.

AP Biology (*Prerequisites: Honors Biology and Honors Chemistry with an “A” average and teacher recommendation -see page 5; The estimated time of homework this course requires is between 4-6 hours per week.*

This course follows the College Board guidelines and focuses on 8 prescribed units including chemistry of life, cell structure and function, cellular energetics, cell communication and cell cycle, heredity, gene expression and regulation, natural selection, and ecology. Class will be predominantly lecture with use of models and collaborative learning. Students will learn to explain biological concepts, processes and models in written format. Students will also analyze visual representations of concepts. Students are required to take the AP Biology Exam. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

Advanced Biology Lab Honors (*Co-requisite: AP Biology*)

Students will complete a variety of labs from each of the 8 units prescribed by the College Board. Students will use models and learn science practices such as "make a claim" and presenting and argument. Students will develop their own questions and hypotheses as well as design methods to test their hypotheses. They will describe and represent data and practice statistical tests such as Chi Square to interpret data.

AP Environmental Science (*Prerequisites: Honors Biology and Honors Chemistry with an “A” average and teacher recommendation -see page 5) The estimated time of homework this course requires is between 4-6 hours per week.*

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary. There will be a strong emphasis on experimental design and evaluating issues as well as relating subject matter to students' everyday experiences. Students can see the interplay between science, ethics, and values as they learn and apply the basics of critical thinking to environmental issues and describe actions that may be taken in order to cope with them successfully. Several of the main topics that will be covered in this course include ecosystem structure, human population dynamics, agriculture, energy resources and consumption, pollution, and global warming. Students are required to take the AP Environmental Science Exam. Students are responsible for the cost of their AP course textbook and AP examination(s) fee.

Earth and Environmental Science

Earth and Environmental Science Honors (*Prerequisite: see page 5)*

This course introduces students to fundamental topics in earth and environmental science and relates them to our everyday lives. Topics include space, earth's history and geology, plate tectonics, natural disasters, global climates and biomes, biodiversity, human population impacts, modern environmental impacts, global climate changes, energy sources and possible solutions to our climate problems. "How can we as Christians best take care of God's amazing creation?" is a question asked often in this class. Students will complete labs that help build research and communication skills through mapping, analyzing data, researching scientific literature, and presenting findings to the class. This class can be taken at any point after completing Biology.

Human Anatomy and Physiology (*Prerequisites: Biology and Chemistry*)

Human Anatomy and Physiology Honors (*Prerequisites: Biology and Chemistry in addition to prerequisites listed on p. 5)*

Students will explore God's amazing design of the human body. This includes a basic review of chemistry and biology as well as an in-depth study of 12 body systems (Histology, Integumentary, Skeletal, Muscular, Nervous, Endocrine, Cardiovascular, Respiratory, Urinary, Lymphatic, Digestive and Reproductive). A variety of teaching techniques will be incorporated including power points, lectures, lab exercises, and dissections.

Chemistry (*Co-requisite: Algebra II*)

Chemistry Honors (*Prerequisites – see page 5, Co-requisite: Algebra II Honors or AFM Honors*)

Chemistry focuses on the structure of matter and investigates chemical reactions and the conservation laws in those reactions. The course includes a systematic approach to problem-solving. Honors Chemistry places a higher value on problem-solving and preparing formal lab reports.

AP Chemistry (Prerequisites: Honors Chemistry with an “A” average and teacher recommendation - see page 5; Enrolled in or successfully completed Pre-Calculus.) Co-requisite: Advanced Chemistry Lab. The estimated time of homework this course requires is between 4-6 hours per week.

This course follows the College Board guidelines adapted for a Christian worldview. The class is demanding and requires strong mathematical, reasoning, and application skills. Students taking this course will be required to take the AP Chemistry Exam. Advanced Chemistry Lab is required in conjunction with this course. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

Advanced Chemistry Lab Honors (*Co-requisite: AP Chemistry*)

Students will complete the laboratories required by the College Board in the course description for AP Chemistry as well as additional lab activities in order to gain an appreciation of science as a process. This is an additional class period.

AP Physics 1 (*Prerequisites: Completion of Honors Chemistry, Completion of Honors Algebra 2 with a grade of “A”*) Co-requisite: Honors Pre-Calculus or higher.

AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through analytical methods and inquiry-based investigations as they explore linear and rotational kinematics, linear and rotational dynamics, circular motion, energy, momentum, and simple harmonic motion. Students taking this course will be required to take the AP Physics Exam. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

Social Studies

Foundations of Western Civilization and European History to 1650

Foundations of Western Civilization and European History to 1650 Honors (*Prerequisites – page 5*)

This course deals with important events, people, concepts, and themes in the study of Western Civilization and European History to 1715. The course begins with a study of ancient civilizations, with special emphasis on Greek and Roman civilization and classical culture and thought, and then moves on to a study of Medieval and Renaissance history, the Protestant Reformation, the Rise of Nation-States, the Age of Exploration, and the Scientific Revolution. Special emphasis is placed on examining the role of Christianity and the church throughout history. Students are encouraged to assess and analyze history from a biblical perspective. The course will stress the development of writing and analytical skills and will provide flexibility and variety in the types of assignments and assessments. Honors students should have strong reading and writing skills.

American Government – Citizenship and Economics

American Government – Citizenship and Economics Honors (*Prerequisites – see page 5*)

This course focuses on a study of the growth of democracy in the United States and the foundations of American government. This course covers the six principles of American government, and comparative governmental and economic systems with an emphasis on understanding macroeconomics. Emphasis is placed on learning about and evaluating important concepts and themes from a biblical perspective with the goal of guiding students in their growth as Christians and as active and involved United States citizens. The class will be a combination of lectures, small group discussions, debate, PowerPoint, videos, and response writing.

AP US Government and Politics (*Prerequisites – see page 5*). *The estimated time of homework this course requires is between 2-3 hours per week.*

AP US Government and Politics is a sophomore-senior level course that addresses the major themes and concepts related to the United States government and politics. Since the course is conducted at the Advanced Placement level, students must have strong reading, writing, and analytical skills. Sophomores, Juniors, and seniors who meet the prerequisites may register for this class. Students will be required to take the AP US Government and Politics Exam administered by the College Board in May. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

US History

US History Honors (*Prerequisites – see page 5*)

This course will provide students with knowledge of the history of the United States. Students will trace the events that have shaped this nation from the time the first explorers cast their eyes upon the wooded shores of an undiscovered continent until the era of modern marvels that characterize today's society. The course will require students to do considerable reading in addition to the text. Honors students will complete extensive writing projects.

AP United States History (*Prerequisites – see page 5*). *The estimated time of homework this course requires is between 6-8 hours per week.*

This writing-intensive course will provide students with a detailed knowledge of United States history. Students will follow the path of American history from the time of the earliest explorers to the Clinton administration. The course is based on curriculum provided by the College Board and is designed to be equivalent to a US History course on the university level. Students will be required to complete numerous reading and writing exercises throughout the year in preparation for the required AP US History Exam. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

AP Psychology (*Prerequisites - see page 5*) *The estimated time of homework this course requires is about 7 hours per week.*

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. Students will study the psychological facts, theories, and phenomena associated with each of the major subfields within psychology. This course is open to qualified junior and senior students who are willing to accept the challenge of a rigorous academic curriculum equivalent to that of an introductory college course in psychology. This class is writing intensive and demands the ability to read and synthesize information for a larger number of assignments than would be given to students in normal classes. Students will complete quarterly projects, write numerous essays, and engage in class discussions. Students taking this class are required to take the AP Psychology Exam. **Students are responsible for the cost of their AP course textbook and AP examination(s) fee.**

Psychology Honors (*Prerequisites - see page 5*)

Psychology provides an overview of the discipline of psychology. Students will explore a range of topics in an in-depth manner. Some of the topics include learning processes, personality, mental and emotional problems, motivation, social attitudes and neurobiology. Studying these topics will help students develop an awareness and understanding of the many forces that influence their behavior. A variety of teaching methods are employed including discussions, individual research, presentations and pursuit and analysis of topics of personal interest to the students. This class is open to juniors and seniors.

Wellness Options

Physical Education and Health (Full Year)

This course is taken during the ninth or tenth-grade year. The physical education section offers a variety of basic fitness components with an emphasis on lifetime sports. The health section offers skills for maintaining a healthy lifestyle, including the avoidance of alcohol, tobacco, and drugs. Students will learn the importance of proper nutrition/weight management and the risks involved with infectious and non-infectious diseases. CPR and first aid will also be covered.

Strength & Conditioning (Semester-long)

Strength & Conditioning Girls Only (This will be a separate section for girls only)

The Strength and Conditioning course will have routines that consist of a weight-training program of several different levels. The focus is to improve an athlete's power, strength, flexibility, mobility, muscular endurance, and agility by stressing technique and attention to detail. This class should be taken for consecutive semesters to obtain maximum benefits. Fundamental techniques in strength training, cardiovascular training, stretching, and speed and agility will be taught through this course. Formative and summative assessments documenting individual progress will be used to evaluate student performance. Strength training increases metabolic rate, increases or restores bone density, and improves lean muscle mass, strength, and endurance. Strength training has been shown to enhance athletic performance, as well as improve one's quality of life. Using proper safety procedures, students will perform core, power, and auxiliary weight training techniques to work towards these benefits. The goal of the Strength and Conditioning course is to prepare all students for a physically active lifestyle.

Elective Options

Elective courses are offered based on student enrollment and teacher availability.

Intro to Computer Science

This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Throughout the course, we will be learning about Digital information, how the internet works, coding blocks, algorithms, app design, 3d modeling, and an introduction to computer engineering. The material emphasizes computational thinking and helps develop the ability to solve complex problems through JavaScript and Python. They will not only be introduced to computer science but also 3D printing, robotics, and engineering.

Computer Science II

This course further builds on what students have already learned in Intro to Computer Science. It focuses on software engineering and a wide variety of technological skills including: using different programming languages, 3D printing, robotics, and computer engineering. This is ultimately a key course for anyone interested in pursuing IT, coding, or robotics in the future.

Comparative Religions Honors (grades 10th-12th)

In this class, students will learn about some of the major religions and religious perspectives, such as Islam, Buddhism, Hinduism, New Age Spirituality, Atheism, and Secularism, as well as Mormonism, Jehovah's Witnesses, and Christian Science. This course will help students seek to understand these religious perspectives through reading primary source literature and listening to audio presentations and debates wherein these perspectives are expounded and defended. Another major emphasis of the course will be to examine these religious perspectives through a biblical perspective. The skills that this course will seek to improve are critical thinking, analyzing foundational ideas about the world, and communicating in oral and written form at a higher level

Rhetoric Honors (Grades 10th-12th)

In this course, students will learn to analyze all types of messages, including political speeches, advertisements, and websites. Students will compose their own arguments and learn to use them effectively while improving their skills in persuasion and public speaking. They will learn to address opposing arguments using logic and a biblical worldview.

Yearbook I *Application and Teacher recommendation required*

This course focuses on the development of the school's yearbook. Students will develop skills in writing text and captions, in layout techniques, and in photography. Creativity and ingenuity are encouraged. Integrity and effort in working with technology are vital. Students must be available after school to take pictures for athletic events for the yearbook.

Yearbook II *(Prerequisite: Yearbook I) Teacher recommendation required*

Yearbook II is offered for sophomores, juniors, and seniors.

Yearbook III Honors *(Prerequisite: Yearbook II) Teacher recommendation required*

Yearbook III is available only to juniors and seniors. This course is an extension of Yearbook and requires students to assume greater responsibility in creating yearbook pages and proofing the pages of other students. InDesignCS6 and PhotoshopCS6 skills must be well developed. Selections will be based on previous experience in Yearbook. Students in Yearbook II, III, and IV must be available after school prior to deadlines.

Yearbook IV Honors *(Prerequisite: Yearbook III) Teacher recommendation required*

Yearbook IV is for seniors. Students must be available after school prior to deadlines.

Fine Arts Options

Art I - Introduction to Art

This is an introductory high school-level course in Art, with a focus on the elements of art. Students will improve pictorial composition skills and explore design possibilities within varied formats while developing confidence in handling and working with various art materials. In addition to assigned class projects, students will keep a sketchbook, and complete an art history project. Students will be able to explore the creativity that God has placed within them, through a variety of hands-on studio art projects. God intended for the arts to bring joy and beauty into our lives, and to bring worship to Him.

Art II - Intermediate Art Studio *(Prerequisite: Art I)*

This is an intermediate-level high school level course in Art, with a focus on the principles of design incorporating drawing, painting, and 3D projects. Students will continue to develop pictorial composition and design skills, while developing confidence in handling and working with various art materials. In addition to assigned studio class projects, students will keep a sketchbook, and complete an art history project.

Art III Honors - Advanced Art Studio *(Prerequisite: Art II)*

This is an advanced course in art at the honors level. Students will continue to improve drawing, painting, pictorial composition, and 3D composition skills, while developing confidence in handling and working with art materials. In addition to assigned class projects, students will keep a sketchbook, complete a quarterly art history/art criticism research project.

Art IV Honors – *(Prerequisite: Art III)*

This is a studio-based art class offered to students in grades eleven and twelve and enables highly motivated students to perform at the college level while still in high school. This is a pre-AP studio art course. Students will begin working on their AP Studio Art portfolio and/or the college entry portfolio for specific majors. Students will begin to explore different ideas for the concentration portion of the AP Studio Art portfolio and extend their knowledge in materials and styles.

317 Independent Study Digital Photography I Honors - DSLR Camera (11th & 12th Grade only)

This is an online course in digital photography taught through Google Classroom that will introduce the basics of DSLR camera photography. Topics covered will include technical aspects of photography such as exposure, focus, and camera settings, as well as instruction on compositional elements, basic editing skills, and themes in photography. Photography work will be submitted digitally through Google Drive. A DSLR camera, tripod, batteries, and an SD card are required for this course.

318 Independent Study Photography II Honors (11th & 12th Grade only - Prerequisite: successful completion of Independent Study Digital Photography D- SLR Camera I Honors, or portfolio submission and permission of the art faculty). This course may be repeated.

This is an independent study course in digital photography. In this course, students will review the skills learned in the DSLR class and will be assigned various themes in photography. Students will edit and revise themed photos and submit a final portfolio of work each quarter. Students will be required to work outside of a classroom setting. Photography work will be submitted digitally on Google Drive. A DSLR camera, standing tripod, batteries, and an SD card are required for this course.

Digital Art I

In Digital Art, students are encouraged to use the computer as a creative tool and to incorporate digital media in the process of art making and as a finished art product. Students will be able to explore the digital art medium, through digital photography assignments, editing photos and making composite images, 3-D computer graphics, and animation.

Praise Band I

Praise Band II

Praise Band III Honors

Praise Band IV Honors

(grades 10 - 12) (full year) The CDS Praise Band serves the student body as an integral part of weekly chapels as worship leaders. In addition to vocal or instrumental auditions, students are interviewed in relation to spiritual maturity and growth. Musical expertise is essential with standards emphasized in reading music notation, chords, intonation, tone, blending, and flexibility in style. Praise band members include Vocalists, and multiple instrumentalists including keyboards, guitars, bass, and drums. Additional instrumentalists can be considered in woodwinds, brass, or strings.

Band I (full year)

This class is multi-faceted, serving a variety of levels in one class: As a Start-Up class (an accelerated, quick start for those who have never played a traditional band instrument and don't want to miss the fun). As a Remedial / Catch-Up class (for those who can play an instrument, but are not ready for the upper level in Band 2). As a Music Independent Study class (for accomplished musicians with schedule conflicts who will track the music of the original class, individual projects, as well as mentoring).

Band II (full year)

CDS Wind Ensemble is the upper-level band class including a wider array of instrumentation and higher-level music. Students will be inspired and challenged individually as well as an entire band as we work toward special performances and competitions throughout the year. We work through a series of fine-tuned skills as foundational basics to bring our music to life, performing at the highest standards, with liveliness and excitement!

Band III (full year)

Band III Honors (full year)

This class is for students who have been playing for a while and wish to learn more about the mechanics and advanced techniques of music while also playing more complex ensemble pieces. Students will learn concepts of improvisation, advanced music theory, and how to blend musically based on the ensemble and individual song's needs.

Theatre

Theatre II

Theatre III Honors

Theatre IV Honors

Expand your ability to express, increase your confidence in front of people, learn about the significance of building trust, dependence, and the challenge of group accountability. Theater students will work toward performances and potential competitions.

High School Choir Honors

This course is designed for high school students who enjoy singing and want to learn advanced vocal technique and harmonic voicing in an ensemble setting. Students will learn advanced vocal production, range, basic music theory and advanced harmony arrangement as well as solo and group performance.

High School Independent Study Options

Online Courses (3.0 UGPA required)

Independent study courses can be taken online through the Southern Baptist Association of Christian Schools (SBACS) or another accredited institution. A student may request to take an independent study course provided they have completed graduation requirements in the course subject area and that the independent study course is not offered at CDS. Applications are available in the Student Services Office. *All online courses are subject to approval by Administration.*

Dual Enrollment Options and Considerations

Juniors and seniors who have met all grade level graduation requirements and have maintained a minimum unweighted GPA of 3.0 have the unique opportunity to begin taking dual enrollment courses. Dual enrollment provides students the opportunity to take college-level courses while in high school and receive credits toward high school graduation as well as college. To determine if a student is eligible for dual enrollment, they must first meet with the Upper School Counselor to determine eligibility. For students interested in taking dual enrollment courses, the following considerations should be noted:

- Students must be a Junior or Senior with a minimum unweighted grade point average of 3.0.
- Students must meet with the Upper School Counselor to determine eligibility **before** beginning a dual enrollment program if the student would like for the credit to be reported on Calvary Day School's high school transcript.
- 60% of a student's course load must consist of CDS classes
- Dual enrollment courses must be asynchronous (online) only and must not require students to meet at specified times so that class time offerings do not interfere with CDS' daily schedule.
- Students must be enrolled in Bible at CDS and must participate in all other school activities including chapel, advisory, class trips, and other programs sponsored during the school day.

- Dual Enrollment classes cannot replace a core class that we offer at the same level at CDS.
- Students who choose this option will remain financially responsible for all of Calvary Day School's tuition and fees, as well as the curriculum and additional fees the college requires
- All students who take dual enrollment classes are required to meet with designated faculty members on a consistent basis to discuss ways to process course content from a biblical worldview.
- Students must maintain a C average or higher in their dual enrollment course work. Students who do not receive a C average or higher must meet with the Upper School Counselor and may not be able to continue to take dual enrollment courses.

The following are dual enrollment options students may consider:

- **Career and College Promise (CCP):** CCP is North Carolina's dual enrollment program that allows eligible high school juniors and seniors to enroll in area participating community colleges to begin taking college-level courses, tuition-free. Students may choose which community college in our area (FTCC, DDCC, and GTCC) to partner with to begin this process. Students must also meet the eligibility requirements set forth by the program and complete the application found on the college's website to apply. Information regarding the Career and College Program can be found on participating community college's websites.
- **Other Dual Enrollment Options through selected Christian Colleges and Universities:** Students may choose to partner with other Christian colleges and universities such as Southeastern Bible College, Liberty University, or Grand Canyon University. Students must meet eligibility requirements for dual enrollment set forth by the college or university. Students are responsible for completing the college's application, selecting their courses, and must be responsible for any of the admissions timelines at the college/university. Fees for these courses vary. ■

*****When considering dual enrollment, students and parents are encouraged to look at the transfer equivalency guides at the colleges they are considering attending to determine what credit will be given for the courses taken.*****

For more information regarding dual enrollment options or NC's Career and College Promise Program, please see the Upper School Counselor.

Other Course Options

Senior Internship Honors (3.5 UGPA required) All internships are subject to approval by Administration.

Seniors at CDS have the unique opportunity to learn more about prospective career options through participation in an independent study internship. Seniors who enroll in an internship are expected to complete 120 hours in order to receive credit. Seniors are allowed to begin their internships in the summer; however, to maintain credit, students must complete at least one hour per week during the school year. Internships must be completed at a site that has an established internship program. Students are responsible for designing and developing the internship experience (selecting the site, securing a site supervisor, etc.) and must complete an application packet, which includes: Objectives; Internship location, including the planned dates and times for the internship; Internship activities; Evaluation; Supervision and documentation of the supervision.

Additional courses may be available upon meeting the following criteria:

Sufficient enrollment by the students; Availability of a quality Christian instructor, facility and curricular materials; Availability of facility and curricular materials; Capability of offering the class within budgetary guidelines; Availability of time slot within the master schedule; Approval by the administrative team.