



HIGH SCHOOL COURSE CATALOG

2026–2027

Biblical Studies

*Four credits over four years required to graduate

BIB-CHR DISC - The Christian Disciplines

Prerequisites: *None*

6x / Cycle

Grade(s): 9

Credit: 1

The purpose of this class is to examine some of the important topics essential to walking in Christ. The class begins by studying salvation, how God relates to man how man is in the image of God. Subsequent topics include how a believer can successfully battle sin, the importance of a daily walk with Christ, the role of spiritual disciplines (prayer, Bible study, memorization, meditation) in the life of a believer, worship, helping those in need, how to share my faith, and our future glory.

BIB-THEO– Biblical Theology

Prerequisites: *The Christian Disciplines*

6x / Cycle

Grade(s): 10

Credit: 1

This course is a survey of evangelical theology. The basic doctrines of Christianity concerning God's Word, God the Father, God the Son, God the Holy Spirit, angels and demons, creation, salvation, the church, and God's plan for the future are communicated. Students are prompted to develop a biblically rooted theology that will serve as a foundation for further study and Christian practice.

BIB-HST CHR THEO- History of Christian Theology

Prerequisites: *Biblical Theology or Worldviews and Apologetics*

6x / Cycle

Grade(s): 11 - 12

Credit: 1

This course is a study of Christian history and teaching from the early church to the end of the nineteenth century. Theological topics discussed include, but are not limited to, original sin, the nature of Christ, the atonement, divine sovereignty and human freedom, and sanctification. The significant people, events, and ideas that figure in the historical march of the gospel are considered, with the intention of emboldening the spiritual life of the students.

BIB-WRLDV/APOL - Worldviews and Apologetics

Prerequisites: *Biblical Theology or History of Christian Theology*

6x / Cycle; *SY 2027-2028

Grade(s): 11 - 12

Credit: 1

Apologetics covers a wide range of disciplines because there are many areas in which people doubt and are skeptical. One such discipline in which Christians will encounter skeptical claims and/or arguments centers on the birth, life, ministry, death, deity, and resurrection of Jesus. To engage faithfully and efficiently with such claims and/or arguments, Christian apologists must

be well-versed in the historicity of Christ's life and have a sound understanding of how the Gospel writers and the Apostle Paul tell the story of Jesus.

DUAL ENROLLMENT

Dual Enrollment Courses are reserved for juniors and seniors who meet college entrance requirements and receive recommendations from high school teacher(s)/counselor. A three or four credit college course counts for 1 full credit either as a core course or an elective course.

CSAGH's partnership with Messiah University allows credits taken through the college to be covered under the student's HCS tuition. Credits taken at other colleges and universities will be covered according to the current per credit dollar amount paid to Messiah University. Liberty University is also an affiliate school for dual enrollment classes. Credits taken at Liberty will be covered according to the current per credit dollar amount paid to Messiah University.

Messiah College – Dual Enrollment Program SY 2026-27

[Messiah University Dual Enrollment](#)

Liberty University – Dual Enrollment Program SY 2026-27

[Liberty University Dual Enrollment](#)

CSAGH Dual Enrollment Policy and Procedures:

Found in the CSAGH Handbook

CSAGH Dual Enrollment Registration Form:

[CSAGH DC-DE Registration Form 2026-27.pdf](#)

CSAGH Dual Credit/Enrollment & Late Arrival Early Release FAQ

[DC-DE-LAER FAQ 2026-27.pdf](#)

CSAGH Honors/AP/DC Registration Form:

[CSAGH Hon-AP-DC Registration Form 2026-27.pdf](#)

CSAGH Faculty/Staff Assistant Application:

[CSAGH Faculty-Staff Assistant Application 2026-27.pdf](#)

Electives

*Four credits over four years required to graduate.

May include extra core classes, fine/performing arts, service learning, dual enrollment courses.

Students should consult their Graduation Audit with Guidance Counselor.

ELEC-FRSH SEM – Freshman Seminar

Prerequisites: *None*

3x / Cycle

Grade 9

Credit: P/F

This class is designed to aid freshmen in transition to high school. Topics will focus on helping students develop their Christian character while offering a variety of practical lessons in areas such as study skills, organization and time management, healthy and effective personal and academic habits, public speaking, personal giftedness, and career exploration. The study of *Seven Habits of Highly Effective Teens* is the written piece that Freshman Seminar studies. The school counselor may be a guest speaker who addresses topics such as mindfulness, conflict resolution, and goal setting with the class.

ELEC-CHPL LDR - Chapel Leadership

Prerequisites: *None; Audition Required*

3x / Cycle

Grade(s): 10-12

Credit: 0.50

In this course you will learn how to plan, prepare, and lead worship during middle school, high school and elementary chapels. Students will be responsible for planning the worship set and any technology needs if necessary. Students will be learning important skills in communication, collaboration, and leadership. Auditions will be held towards the end of the 2024-2025 school year.

ELEC-CONSTR - Basic Construction Skills

Prerequisites: *None*

3x / Cycle

Grade(s): 9-10

Credit: 0.50

Prepares individuals for entry-level positions on project sites by providing the basics in safety, hand and power tools, construction math, materials handling, construction drawings, rigging and employability skills. This competency-based program can be used as a pre-apprenticeship program, meets Perkins funding requirements and is recognized throughout the country by the construction industry. The knowledge and skills established in Core is the foundation that successful construction careers are built on.

Music & Performing Arts Electives

One Fine Arts credit (music, performance, art) over four years required to graduate.

MUS-CHOIR – HS Choir

Prerequisites: *None*

3x / Cycle

Grade(s): 9-12

Credit: .50

Students will refine vocal production techniques, increase musical literacy, advance musicianship, and strengthen sight reading skills through exposure to choral music of different cultures, time periods, and genres. The Choir will perform at the Winter and Spring Concerts during the academic school year. As opportunities arise, students may also participate in performances outside of the school environment such as field trips and community events. Attendance at rehearsals, concerts, and other performances is mandatory and will be reflected in student grades.

MUS-CHMBR – HS Chamber Singers

Prerequisites: *Concert Choir previous or concurrently*

3x / Cycle

Grade(s): 9-12

Credits .50

Students will develop an understanding of musical techniques such as harmony, breath control, tonal accuracy, and composition while being provided with an opportunity for personal growth and self-expression. A wide range of repertoire including “Pop,” Jazz, and Broadway styles of music in addition to standard choral repertoire will be studied and performed. Staging and choreography are incorporated into performances while healthy singing techniques and choral performance skills are maintained. The Show Choir will perform at the Winter and Spring Concerts during the academic school year. As opportunities arise, students may also participate in performances outside of the school environment such as field trips and community events. Attendance at rehearsals, concerts, and other performances is mandatory and will be reflected in student grades.

MUS-BND – HS Band

Prerequisites: *None*

3x / Cycle

Grade(s): 9-12

Credit: .50

Students will continue to learn the basic and intermediate elements of music through instrumental music. The students will demonstrate the ability to play their instruments using proper rhythm, tone, and breath support. They will demonstrate this mastery during band and mandatory performances (two school concerns and Music in the Parks participation in spring of 2023). The continued instrumental-skill learning will be supported through small-group pull-out lessons on each specific instrument, once per 6-day cycle.

MUS-JAZZ – HS Jazz Ensemble

Prerequisites: Strong musical background & fluently read music
3x / Cycle

Grade(s): 9-12
Credit: .50

Students will learn to perform in a variety of jazz and contemporary music styles from early jazz through the swing era, Latin-American music and jazz-rock-fusion. This is an audition-only group for grades 8-12 instrumental students who are successful music readers who also have historically been consistently coming to their lessons and showing evidence of successful practicing by currently playing their music well. Students who are interested in signing up for this class need to set up an audition with Dr. Crane before being accepted into the class as it is only for music students who are capable and willing to work on their music independently.

Visual Arts Electives

One Fine Arts credit (music, art, performance) required to graduate

ART-FND – Foundations of Art

Prerequisites: *None*

3x / Cycle

Grade(s): 9-12

Credit: .5

This course will lay the groundwork for making and appreciating art. This class will introduce drawing, painting, and mixed media. In this class we will explore what it looks like to make and appreciate art through a Christian worldview. This class is a pre-requisite for all other Art classes. Students must take this class if they have not taken any other Art classes at the High School level before taking any other classes.

ART-DIG PHO - Digital Photography

Prerequisites: *None*

3x / Cycle

Grade(s): 9-12

Credit: .50

In this class, students will learn everything they need to know to make a fine digital image and print. The class goes through the fundamental technical skills and progresses to the image-making concepts that create a skilled fine arts or event photographer. Students will be able to take and edit high-quality photographs using various techniques. They will learn to use digital manipulation in an ethical way. Students will understand the history of photography and the work of famous past and present photographers.

ART-2D - 2D Art

Prerequisites: *Foundations of Art*

3x / Cycle

Grade(s): 10-12

Credit: .5

This course will focus on building and strengthening drawing and painting skills. This class expands upon and builds the skills introduced in foundations of art. During the second half of the year there will be an opportunity to challenge and strengthen drawing and painting skills through choice-based projects.

ART-3D – 3D Art

Prerequisites: *Foundations of Art*

3x / Cycle

Grade(s): 10-12

Credit: .5

3D Art builds on the skills developed in Foundations of Art and introduces students to the creative and technical processes of sculptural art. In this hands-on course, students move beyond two-dimensional work to explore form, space, structure, and craftsmanship through materials such as hand-building with clay, carving media, papier-mâché, and mixed-media construction. They will learn a variety of building methods and techniques while strengthening their understanding of the

elements of art and principles of design in three dimensions. Students will also study both historical and contemporary 3D artists to inspire their own work, with an emphasis on planning, experimentation, problem-solving, and intentional artistic decision-making.

ART-STU HAB – Studio Habits

Prerequisites: *Foundations of Art; Teacher recommendation*
6x / Cycle

Grade(s): 10-12
Credit: .5

What would you create if you had your own art studio? This advanced skills class functions on a choice-based model, where students choose the medium and ideas for their projects. In this course students will “pitch” their ideas and create a timeline to complete each project. If you love making art and want to develop your portfolio, then this course is a great opportunity for you.

ART-CER – Ceramics: Wheel Throwing

Prerequisites: *None*
3x / Cycle

Grade(s): 10-12
Credit: .5

This is a focused ceramics course dedicated entirely to learning pottery on the potter’s wheel. While exciting and rewarding, wheel throwing requires patience, persistence, and a willingness to practice through mistakes as students build muscle memory and control. Throughout the year, students will develop and refine essential skills such as centering, pulling walls, forming functional vessels, trimming, and glazing. Each unit introduces new techniques and challenges that stretch students’ abilities and deepen their understanding of form, craftsmanship, and surface design. By committing to the process, students will gain confidence on the wheel and experience the satisfaction of turning raw clay into finished, functional artwork.

ELEC-YBK – Yearbook: Photojournalism and Design

Prerequisites: *Art Teacher Recommendation*
3x / Cycle

Grade(s): 9-12
Credit: 0.50

This course is for students interested in producing the student yearbook and is designed to explore journalism skills, while producing a high-quality annual publication. Through the course, students are encouraged to develop advanced technology skills (design layouts, digital photography), enhance peer management techniques, and acquire an appreciation of the diversity of the student body. Students will also be able to explore skills in writing, research, marketing, sales, and distribution. This course will require occasional during or after-school participation to cover events throughout the year.

English & Literature

*Four Credits over four years required to graduate.

ENGL-WRLD LIT – Intro to Literary Studies

Prerequisites: *Literature & Writing 8*

6x / Cycle

Grade(s): 9

Credit: 1

This course introduces students to the literary concepts and terms used in the critical analysis of literature. Students study poetry, short stories, novels, and plays emphasizing figurative language, symbolism, irony and allusion. Students will read major works from various cultures and periods of literature. Students will practice "perfect" writing essays, especially literary analysis, and compose a formal expository research paper using MLA style. Students will learn and practice public speaking and dramatic reading skills. In addition, the class will study vocabulary, grammar (punctuation, parts of speech, parts of the sentence) and creative writing. Texts may include *The Pearl*, *To Kill a Mockingbird*, and *Romeo and Juliet*.

ENGL-WRLD LIT H – Honors Intro to Literary Studies

Prerequisites: *Literature & Writing 8 & Teacher Recommendation*

6x / Cycle

Grade(s): 9

Credit: 1

This course introduces students to the literary concepts and terms used in the critical analysis of literature. Students study poetry, short stories, novels, and plays emphasizing figurative language, symbolism, irony and allusion. Students will read major works from various cultures and periods of literature. Students will practice "perfect" writing essays, especially literary analysis, and compose a formal expository research paper using MLA style. Students will learn and practice public speaking and dramatic reading skills. In addition, the class will study vocabulary, grammar (Phrases, Clauses and Usage) and creative writing. This course will move faster than Intro to Literary Studies and will incorporate additional reading selections and writing. Texts may include *The Pearl*, *To Kill a Mockingbird*, *Romeo and Juliet*, *The Screwtape Letters*, and *Jane Eyre*.

ENGL-AMER LIT - American Literature

Prerequisites: *World Literature 9 (Intro to Literary Studies 2026-27)*

6x / Cycle

Grade(s): 10

Credit: 1

This course introduces students to the great writers and works of American literature by surveying literature historically from the Puritan era to the Jazz Age. The major works covered in this course are *The Crucible* and *The Great Gatsby*. Literary concepts and terms used in the critical analysis of literature will be reinforced as students compose analytical essays, poems, and a formal expository research paper using MLA style. The class also will study the three elements of persuasion, vocabulary, grammar, and basic presentation skills.

ENGL-AMER LIT H – Honors American Literature

Prerequisites: *World Literature 9 (Intro to Literary Studies 2026-27) & Teacher recommendation*

6x / Cycle

Grade(s): 10

Credit: 1

This course introduces students to the great writers and works of American literature by surveying literature and poetry from the Puritan Era to Contemporary Writings. Analysis essays are written on each major work; students also write classical argument essays and individual poems in both open and closed poetic styles. A Major Authors Project incorporates research and writing according to MLA standards. Students will also study and practice vocabulary, grammar (Usage and Mechanics), creative writing and basic presentation skills. This class will move faster than American Literature 10 and incorporate more reading selections and writing. The major works covered in this course are *The Crucible*, *The Great Gatsby*, and *The Scarlet Letter*.

ENGL-BRIT LIT - British Literature

Prerequisites: *American Literature 10/Honors*

6x / Cycle; *SY 2027-28

Grade(s): 11-12

Credit: 1

This course introduces students to the great writers and works of British Literature by surveying literature from Bede and Beowulf to contemporary writing. The class analyzes literature within the theme of The Hero and the Quest. Analytical essays are written on each major work. The class also will study vocabulary, grammar, creative writing, and specialized writing. Additionally, students will learn and practice public speaking skills. Students will study a couple longer works from the following list: *The Once and Future King: A Sword in the Stone*, *Macbeth*, and *Frankenstein*.

ENGL-ENGL – Impact for Christ: Studies in World Literature

Prerequisites: *American Literature*

6x / Cycle

Grade(s): 11-12

Credit: 1

This course introduces students to great and influential writers from around the world, past and present. Students will discuss major themes in literature and connect those themes to various cultures, to the 21st century society and to the Christian life. Analytical essays, literary responses, and literary critiques are written on works. Students will refine their writing and speaking skills, and study vocabulary, grammar, and the fundamentals of debate. Students will also examine the possibilities of “changing their world” for the better through their giftedness. Students will study texts chosen from the following list: *Hiroshima*, *Cry, the Beloved Country*, *Night*, *Animal Farm*, *Muse Asylum*, *Counter Culture*, *Gifted Hands*, and *The Other Wes Moore*.

DC-ENGL-COMP - Dual Credit English Composition

Prerequisites: *Honors American Literature*

6x / Cycle; Semester I or II; *SY 2027-28

Grade(s): 11-12

Credit: 1

English Composition, a dual credit course offered on campus through Cairn University, is a one-semester course that examines the principles and practice of clear, concise, and literate writing, focusing on the content, style, organization, and mechanics of academic writing. This course provides the skills necessary for critical thinking, research-based writing, and correct documentation.

DC-ENGL-BRIT LIT - Dual Credit British Literature

Prerequisites: *Honors American Literature*

6x / Cycle; Semester 1

Grade(s): 11-12

Credit: 1

Dual Credit British Literature, a one-semester course, offered on campus through Cairn University will offer a survey of British literature selections from The Anglo-Saxon Period to the present, including one full-length Shakespeare play. Students will read and write in response to literature. They will exhibit proper citation methods in their writing and complete a summative research-based paper on the themes evident in British Literature as they align or diverge from God's Word.

Foreign Language

*Two credits over four years required to graduate.

LANG-SPAN I - Spanish 1 **6x / Cycle**

Grade(s): 9
Credit: 1

Spanish I is an introductory course of the Spanish language. Students will master the basic phonics and pronunciation of the language. Students will learn how to conjugate regular, stem-changing verbs and high frequency irregular verbs in the present tense. The teacher will integrate a balanced focus on listening, speaking, reading and writing skills throughout all phases of instruction. Students will be required to apply their knowledge through basic grammatical structures and vocabulary. Students will be encouraged to compare what they learn about Hispanic culture with their own, thereby learning to think critically and progress towards a more mature vision of the world. The Bible verse focus for Spanish I is memorizing the verses contained in the Romans Road.

LANG-SPAN II - Spanish 2 **Prerequisites: Spanish 1** **6x / Cycle**

Grade(s): 10
Credit: 1

Spanish II is a course of study that will build upon the grammatical foundations established in Spanish I. It will emphasize the correct usage of the present, present progressive, preterit and imperfect tenses. The importance of conjugating verb tenses correctly and forming sentences using correct syntax will be highly stressed. The teacher will integrate listening, reading, speaking and writing skills throughout all phases of instruction; however, more emphasis will be placed on Spanish output via writing and conversational speaking than at the Spanish I level. Students will be encouraged to compare what they learn about Hispanic culture with their own, thereby learning to think critically and progress towards a more mature vision of the world. The Bible verse focus for Spanish II is memorizing Psalms 23.

LANG-SPAN III H - Spanish 3 **Prerequisites: Spanish 2 and Teacher recommendation** **6x / Cycle**

Grade(s): 11-12
Credit: 1

Spanish 3 students will have the opportunity to perfect and fine tune the Spanish skills learned in Spanish 1 and 2. There is a review of Spanish grammar and syntax as well as the acquisition of more advanced grammatical concepts. Students will be required to apply their knowledge through spoken, written, and listening activities and authentic assessments. Students will develop their writing capabilities as well as continue ear training and conversational Spanish. Several short novels and/or short stories by Hispanic authors will be read.

History

*Three credits over four years required to graduate.

HST-WRLD HST I - World History 1

Prerequisites: *None*

6x / Cycle

Grade(s): 9

Credit: 1

World History I is the first year of a two-year course of study of the world outside the United States. Students will learn to analyze history critically and gain an understanding of the distinctive features of Asian history and geography. Students will learn to read critically, analyze primary sources, and present and defend their viewpoints in both written and oral form.

HST-WRLD HST II - World History 2

Prerequisites: *World History 1*

6x / Cycle

Grade(s): 10

Credit: 1

World History II is the second year of a two-year course of study of the world outside the United States. Students will learn to analyze history critically and gain an understanding of the distinctive features of African, European, and Latin American history and geography. Students will learn to read critically, analyze primary sources, and present and defend their viewpoints in both written and oral form.

HST-US/GOV - 20TH CENTURY U.S. HISTORY/AMERICAN GOVERNMENT

Prerequisites: *World History 2*

6x / Cycle

Grade(s): 11

Credit: 1

The student will study the history of the United States during the twentieth century, using lecture, discussion, reading, videos, and projects. Attention will be given to both domestic and foreign affairs, focusing on those issues and events that shaped American history and solidified the United States as the dominant power of the world at the end of the century. In addition, the student will study the origins, principles, and basic workings of the American political system and government, using lecture, discussion, reading, videos, and group projects. Additional study will focus on biblical principles regarding authority and government and on the United States Constitution itself.

DC US HST – Dual Credit US History I/II

Prerequisite: *World History 2 and teacher approval*

6x / Cycle; Full year

Grade(s): 11-12

Credit: 2

Dual Credit US History- US History I/II are rigorous, one-semester survey courses designed for highly motivated students. These courses must both be taken to fulfill state history requirements and will span the entire school year. Semester one covers the period from colonization through the Civil War, while semester two explores Reconstruction to modern times. Participants will develop the ability to craft compelling, thesis-driven essays while also learning to analyze and critique arguments in the work of others. Emphasis is placed on reading primary sources critically and responding with creativity and originality. The course features both individual and group projects, encouraging collaboration and independent thought.

**DC U.S. History 1 is a Dual Credit course through Cairn University (HIS 223, 3 credits). DC U.S. History 2 is a Dual Credit course through Cairn University (HIS 224, 3 credits). DC U.S. History 1 & 2 together fulfill the American History graduation requirement.*

DC WEST CIV 1 – Dual Credit Western Civilization 1 (elective HS credit only)

Prerequisite: *World History 2 and teacher approval*

Grade(s): 12

6x / Cycle; Semester 1

Credit: 1

Dual credit Western Civilization - Western Civilization I explores the foundational ideas and history of the Western world, with a particular focus on the classical civilizations of Greece and Rome. Students engage directly with the great thinkers of history, analyzing how their ideas have shaped the progression of Western thought. Emphasis is placed on reading and understanding the enduring works of the Classical Age. Critical thinking is developed through Socratic dialogue and analytical critiques of influential writers.

**DC Western Civilization 1 is Dual Credit course through Cairn University (HIS 211, 3 credits). Need not be taken in conjunction with DC Western Civilization 2.*

DC WEST CIV 2 – Dual Credit Western Civilization 2 (elective HS credit only)

Prerequisite: *World History 2 and teacher approval*

Grade(s): 12

6x / Cycle; Semester 2

Credit: 1

Western Civilization II continues this exploration, covering the evolution of Western thought from the Middle Ages to the relativism of the postmodern era. Students will examine how key historical figures and philosophers have influenced the development of Western society. The course emphasizes reading and understanding influential works from each era, fostering critical thinking through Socratic dialogue and analytical critiques of major thinkers.

**DC Western Civilization 2 is Dual Credit course through Cairn University (HIS 212, 3 credits). Need not be taken in conjunction with DC Western Civilization 1.*

Mathematics

*Three credits over four years required to graduate.

MTH-ALG I – Algebra 1

Prerequisites: *Pre-Algebra*

6x / Cycle

Grade(s): 9

Credit: 1

The course will begin with a focus on solving different types of single-variable equations and inequalities (including multi-step, those involving absolute value, and proportions). The focus will transition to linear equations and inequalities in two variables. During the second half of the year, students will learn how to solve systems of equations and inequalities, evaluate expressions involving exponents and square roots, and end the year with an introduction to polynomial functions. This will include adding, subtracting, and multiplying polynomial expressions, factoring and solving polynomial equations, and ending with an overview of graphing polynomial functions.

MTH-GEOM – Geometry

Prerequisites: *Algebra 1*

6x / Cycle

Grade(s): 9-10

Credit: 1

The course will begin with an introduction to basic geometry terms and instruction in critical thinking in the form of proof writing. Students in this course will be taught how to use inductive and deductive reasoning, and how to use theorems and postulates to piece together a mathematical proof, both for algebraic and geometric problems. Students will also study the many properties of the following shapes: triangles, quadrilaterals, right triangles, and circles. At the end of the year, the information learned about two-dimensional shapes will be applied to three-dimensional figures.

MTH-GEOM H – Honors Geometry

Prerequisites: *Algebra 1 & Teacher recommendation*

6x / Cycle

Grade(s): 9-10

Credit: 1

The course will begin with an introduction to basic geometry terms and instruction in critical thinking in the form of proof writing. Students in this course will be taught to use inductive and deductive reasoning, and how to use theorems and postulates to write a mathematical proof, both for algebraic and geometric problems. Students will also study the many properties of the following shapes: triangles, quadrilaterals, right triangles, and circles. At the end of the year, the information learned about two-dimensional shapes will be applied to three-dimensional figures.

***As an honors-level course, students will learn more in-depth information and be expected to write proofs without any word banks or clues provided. This class will also move at a quicker pace.**

MTH-ALG II – Algebra 2

Prerequisites: *Geometry & Teacher recommendation*
6x / Cycle

Grade(s): 10-11
Credit: 1

The course will begin with a review of Algebra 1 topics, such as solving multi-step equations and inequalities, graphing lines on a coordinate plane, and solving systems of equations. In this class, the students will extend these topics into new areas of understanding. Students will then study quadratic and polynomial functions by learning to graph, factor, solve, and analyze equations. Square and cube root, rational, exponential, and logarithmic functions will also be studied and graphed. Exponent rules will be reviewed and extended to include rational exponents. The year will end with a brief study of basic probability and statistics. A TI 83/84 calculator will be necessary for this course.

MTH-ALG II H – Honors Algebra 2

Prerequisites: *Geometry & Teacher recommendation*
6x / Cycle

Grade(s): 10-11
Credit: 1

The course will begin with a review of Algebra 1 topics, such as solving multi-step equations and inequalities, graphing lines on a coordinate plane, and solving systems of equations. In this class, the students will extend these topics into new areas of understanding, including matrices. Students will then study quadratic and polynomial functions by learning to graph, factor, solve, and analyze equations. Square and cube root, rational, exponential, and logarithmic functions will also be studied and graphed. Exponent rules will be reviewed and extended to include rational exponents. The year will end with a brief study of basic probability and statistics. A TI 83/84 calculator will be necessary for this course. ***As an honors-level course, students will learn more in-depth information. This class will also move at a quicker pace.**

MTH-ADV ALG—Advanced Algebra

Prerequisites: *Algebra II/Honors Algebra II*
6x / Cycle

Grade(s): 11-12
Credit: 1

Advanced Algebra is a course for students who have completed Algebra II but are not quite ready for precalculus. The course will review concepts from algebra and geometry as well as introduce new material necessary for precalculus. Topics covered include linear and quadratic functions, polynomial functions, exponential and logarithmic functions, right triangle trigonometry, and conic sections.

MTH-PRE CALC H – Honors Pre-Calculus**Prerequisites:** *Algebra 2 & Teacher recommendation***6x / Cycle****Grade(s): 11-12****Credit: 1**

Honors Pre-Calculus: The course will begin with a review and extension of many Algebra 2 topics, including graphing a variety of functions, studying and analyzing polynomial function, and solving rational equations. The students will also learn how to graph rational equations and conic sections. After the first semester, the focus will change to Trigonometry topics, including an introduction to the six trigonometric functions, graphing, solving trigonometric equations, and using the Laws of Sines and Cosines. Students will also use deductive reasoning to verify trigonometric identities.

MTH-CALC H - Honors Calculus**Prerequisites:** *Pre-Calculus & Teacher recommendation***6x / Cycle****Grade(s): 11-12****Credit: 1**

The course has three topics of focus – limits, derivatives, and integration. Students will begin by evaluating and solving problems involving limits. Then derivatives will be introduced, and the basic rules of derivatives will be taught. These will be applied to a variety of applications. Finally, students will see a very basic introduction to integration, and these will be applied to a variety of applications. The concept of motion will be a theme throughout the year.

Foundations in Personal Finance (Graduation Requirement)**6x / Cycle; Semester I and II****Grade(s): 11-12****Credit: .5**

Foundations in Personal Finance is a financial literacy course developed by Dave Ramsey specifically for high school students. Core topics include budgeting (zero-based), saving (emergency funds), debt avoidance, investing and retirement, consumer awareness, insurance (auto, home, health), income/taxes, and career planning. Other topics include: buying/renting real estate, life skills (career research, resume building, interviewing, bargain shopping/negotiation, managing money with family/friends and giving, and global economics.

Physical Education & Health

*Students must take PE every year of high school.

*Health is a mandatory course taken during junior or senior year.

HS PE - HS Physical Education

Prerequisites: *None*

3x / Cycle

Grade(s): 9-12

Credit: .50

Physical Education is a course designed to help each student develop and maintain a suitable level of physical fitness commensurate with his or her individual needs and abilities. Each student will be challenged to improve their individual fitness levels in a way that is pleasing to God. Physical Education classes are to help the student develop coordination, physical skills, and mental adaptability. The emphasis is on co-educational activities such as soccer, basketball, football, badminton, and other individual lifetime sports. In these physical activities, the goal is also to encourage good sportsmanship and Christian testimony. Students must pass Physical Education all four years.

HS PE-HEALTH - Health

1x / Cycle

Grades: 11 - 12

Credit: .25

Students will receive instruction in how to take care of their body from a Biblical perspective. The course will encourage students to attain and maintain good health habits.

HS PE – HS Advanced Physical Education

Prerequisites: *None*

3x / Cycle

Grade(s): 9-12

Credit: .5

Advanced Physical Education is designed for students who desire to participate in a challenging, disciplined, and competitive athletic environment. This course goes beyond basic physical fitness to develop students as athletes, leaders, and teammates. Emphasis is placed on advanced skill development, sport-specific strategies, and the application of game tactics in competitive settings. Students will engage in structured team and individual activities that promote leadership, communication, collaboration, and problem-solving. Through game analysis, situational drills, and competitive play, students will learn to make strategic decisions, adapt to changing conditions, and demonstrate sportsmanship under pressure. The course also encourages personal responsibility, goal setting, and accountability as students strive for physical excellence.

In addition, Advanced Physical Education fosters lifelong fitness habits by emphasizing physical conditioning, injury prevention, and mental toughness. Students will be challenged to model positive attitudes, ethical behavior, and servant leadership both on and off the field, preparing them for continued participation in athletics and active lifestyles beyond high school.

Science

*Three credits over four years required to graduate.

SCI-GEN SCI - General Science

Prerequisites: *Physical Science 8*

6x / Cycle

Grade(s): 9

Credit: 1

The 9th grade General Science course is designed to review the important concepts of middle school science classes and build a strong foundation for high school biology and subsequent science courses. The topics will include scientific inquiry and analysis, earth space science as it applies to biology, foundational physical science and chemistry principles, and preparatory biology topics.

SCI-BIO - Biology

Prerequisites: *Physical Science 8; Algebra I*

6x / Cycle

Grade(s): 9-10

Credit: 1

Jesus told his disciples in John 14:6, "I am the Way, the Truth, and the Life." Biology involves the study of that Life. The student will explore and experience the world of living things, the science of biology, through classroom instruction, reading, research, discussions, participation in group and individual projects, using biological experimentation. Topics include the Chemistry of Life, Cells, Cellular Energy, Genetics, Modern Biology, Creation and Evolution, and a survey of the 5 Classification Kingdoms.

SCI-CHEM- Chemistry

Prerequisites: *Biology, Algebra I, Algebra II (previously or concurrently)*

6x / Cycle

Grade(s): 10-11

Credit: 1

In Genesis 1:9-10, on the third day, God created the dry land out of the water. In Chemistry, we study the incredible variety of inorganic materials He created on that day. The students will receive instruction in the basic principles of the study and structure of matter and the science of chemistry by using class activities, including lecture notes, worksheets, and lab work. Topics covered include atomic structure, writing formulas and equations, and solutions, kinetic theory, pH, stoichiometry, and gas laws.

SCI-ANAT - Anatomy & Physiology

Prerequisites: *Biology and Chemistry*

6x / Cycle

Grade(s): 11-12

Credit: 1

Anatomy & Physiology is designed for those students with future educational or career plans that require a strong background in biology; or career plans that may include nursing, physical therapy or other related health sciences. This course is a rigorous and comprehension study of the

digestive, excretory, nervous, skeletal, muscular, and circulatory body systems. Major content areas include biochemistry, anatomy and physiology. Lab work, including dissections, is an integral part of the course.

SCI-ENV SCI - Environmental Science

Prerequisites: *Biology*

6x / Cycle

Grade(s): 11-12

Credit: 1

Environmental Science students will study the ecological and environmental aspects of God's creation through practical experiences and lessons that are designed to encourage good stewardship of His creation. The course objective is to understand the interrelationships of the natural world and identify and analyze environmental problems both natural and human made. Topics include Ecology, populations, energy transfer, biomes, water and soil conservation, waste management, pollution and examine alternative solutions for resolving and/or preventing problems, because of our calling to be stewards of the gifts that the Lord has given us.

SCI-INQ SCI - Inquiry Based Science (Elective Credit only)

Prerequisites: *None*

3x/Cycle; Semester I

Grade(s): 9-12

Credit: 0.5

Students will complete an individual or team research project. The formation of a hypothesis, experimental design, analysis and conclusion will be required. Students must maintain a scientific journal, write a formal research paper and prepare the project for presentation at the Capital Area Science and Engineering Fair. Additional opportunities will become available based on the content area of the research.

SCI-FOR SCI – Forensic Science (Elective Credit only)

Prerequisites: *None*

6x/Cycle; Semester II

Grade(s): 10-12

Credit: 0.5

Forensic Science is the art of finding and analyzing evidence left behind at a crime scene to associate those items with those involved. Students will understand the history and general foundations of the various scientific disciplines used in forensic science. Students will experience basic laboratory techniques. Successful completion of the course will introduce students to the world of forensic science and use that information to solve a case.

SCI-PHYS-H - Physics

Prerequisites: *Chemistry, Algebra II*

6x / Cycle; SY 2027-28

Grade(s): 11-12

Credit: 1

This is an algebra-based physics course. It is designed to provide a broad mathematical analysis of the physical laws that govern our universe. Topics include vectors, motion and stability, forces and interactions, kinetic and potential energy, heat capacity, and waves.

Students will also gain a better understanding of how physics can be used to understand everyday phenomena. A strong math background and independent study skills are required.

SCI-ENGR APP – **Engineering Applications** (Elective Credit only)

Prerequisites: Engineering Exploration
6x/cycle;

Grade(s): 10-12

Credit: 0.5

Engineering is the creative application of science and mathematical methods to design, construct, operate and maintain structures, machines, materials, devices, systems, and processes. In this class students will have the opportunity to build and create various projects that apply the concepts of engineering.

Student Service Learning

*Aide positions are service learning and count as elective credit.

FS ASST – Faculty Staff Assistant

Prerequisites: *Teacher Recommendation*

6x / Cycle (0.5 credits); < 5x / Cycle (.25 credits)

Grade(s): 11-12

Pass / Fail Course

Art Aide

Art Aides help the Art Department. Some of the tasks an Art Aide would be expected to do throughout the year include processing and preparing art images for Artsonia.com, hanging artwork in the display cases, glaze mixing, kiln loading and unloading, and general classroom clean-up.

Athletic Aide

Athletic Aides assist the Athletic Department by assisting a teacher with making copies, assisting with Elementary class instruction and classroom management, assisting the teacher with Presidential Challenge Competitions and Elementary Field Days. Athletic Aides assisting the Athletic Director may assist with planning, organizing, and facilitating athletic events, assist in organizing/maintaining uniforms & equipment, and may assist in maintenance and care of athletic fields.

Drama Aide

The aide will assist the music teacher in many tasks involved with preparation for the Spring Musical. This aide also assists in copying assignments and handouts for various Drama classes.

Elementary Teacher Aide

The student assists an Elementary classroom teacher by helping with marking papers, filing student work, running off copies on the copier, and putting up/taking down of bulletin boards. The aide may also assist students who need extra help or practice during a lesson, as per teacher requests.

Information Technology Aide

An IT Aide will assist with all aspects of technology at the school including computer maintenance/repair, peripheral setup, cabling; assist with special function setup, operation and teardown; assist with the setup, rehearsal and performance of school chapels, concerts and assemblies. Participation in the annual HCS Musical is encouraged but not required.

Music Aide

This aide will assist the Music teacher in filing and organizing printed music for the various choral and handbell performance classes. The aide also makes copies of assignments and handouts as necessary for various music classes.

Office Aide

This aide will assist the Office staff with various office and clerical functions. The Office Aide may assist with mailings, filing, communication notices, etc. The student aides should have strong organizational skills, computer skills (i.e. Word, Publisher, Excel, and Power Point), and communication skills, both written and verbal.