



# Santa Fe Catholic High School

*Preparing Students for College and the World*

## 2021-2022 Course Catalog

The purpose of this course selection guide is to provide students and parents with information concerning the academic programs, graduation requirements, and courses of study that are offered at Santa Fe Catholic High School. Students and parents should carefully consult this guide in making plans for the school year.

It should be noted that some elective courses listed in this guide may not be offered for the school year due to low enrollment in a particular course. Should that occur, every effort will be made to get affected students into other courses of their choice.

It is critical that the selection of courses be made carefully, and with the sound advice of teachers and counselors. Schedule changes may only be requested during the first two weeks of the semester.

### Graduation Requirements

Theology	4.0 credits
English	4.0 credits
Mathematics	4.0 credits
Social Studies	4.0 credits
Science	3.0 credits
Physical Education	1.0 credits
Foreign Language	2.0 credits
Fine Arts	1.0 credits
Electives (Possible)	5.0 credits



### Types of Programs

#### College Preparatory with Skills Assistance:

A program is available to assist students in developing additional proficiencies. It will strengthen the students' basic skills. This program is designed to enable students to succeed in the SFC college preparatory program and to prepare them for college.

College Preparatory: Most of the courses offered at Santa Fe fall into this classification. The courses are designed for average students enrolled in a college preparatory program.

College Preparatory with Honors: In this program, the courses are designed to meet the needs of above average students. Because of the above grade level challenge, students with grades of C or better are given 0.5 additional quality points for taking honors courses.

Dual Enrollment: Courses are available to sophomores and juniors with over all GPA of 3.0 or higher on Santa Fe Catholic's campus through St. Thomas University and Polk State College. St. Thomas University also offers online options. Students have the opportunity to go to the local colleges to take dual enrollment as well.

#### College Preparatory with Advanced Placement:

In this program the courses are the most challenging academic courses at Santa Fe. The courses present college-level material and conclude with students taking a nationally recognized College Board test in May. Successful performance on the examination may result in college credit. Students are given an additional 1.0 quality point for a C or better in an Advanced Placement course.

## BUSINESS

### INTRODUCTION TO BUSINESS MANAGEMENT

**Course Number:** 8215120  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This will be an introductory course on business, designed to help students develop a basic understanding of business principles, processes, practices, and strategies. Students will identify forms of ownership and the processes used in production and marketing, finance, personnel and management in business operations.

### PRINCIPLES OF MARKETING

**Course Number:** 8827100  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course is an introduction to marketing activities in modern businesses. The major topics include: market planning, market research, consumer behavior, promotions, and execution of the marketing mix. Throughout the course, emphasis is on the application of concepts and perspectives to current marketing problems and opportunities through case study analysis and class discussion.

## COMPUTER EDUCATION



### COMPUTER APPLICATIONS

**Course Number:** 0200310  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course offers an introduction to Windows operating systems, technology terminology, an overview of basic computer components and exploring emerging technologies. It also includes an introduction to Microsoft Suite (Spreadsheets, Word Processing, Presentation, Database, PowerPoint, and Desktop Publishing) and keyboarding skills.



### INFORMATION TECHNOLOGY

**Course Number:** 8207310  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course will enable the student to explore the core concepts of information technology tools and services. This includes the history of information technology, evaluation of ethical issues related to information technology, using application and system software, assessing hardware, describing networking between devices, protecting digital data, and managing a digital lifestyle. The student will explore concepts related to software programming, managing databases, and programming in Java and Python.

### INTERACTIVE DESIGN

**Course Number:** 0200385  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course introduces students to the structure of user interface design and interactive applications. Students will integrate multimedia, desktop publishing features, animation, and sound in design applications.

### WEB DEVELOPMENT

**Course Number:** 8207110  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course offers an introduction to web design using HTML codes. The student will be able to design web pages using Macromedia DreamWeaver software. The websites will include ecommerce, portal, informational, personal, and media.

## VISUAL TECHNOLOGY

**Course Number:** 0107440  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

The Visual Technology Program allows students to engage in practical, hands-on, realistic projects using the latest technologies, software, and equipment to produce cutting-edge projects that communicate effectively and persuasively. Students in the program gain digital media skills and techniques necessary for success. The courses offers a comprehensive curriculum that explores video production, creativity, theories of good design, universal principles, balance, symmetry, lighting, composition, and visual and aesthetic appeal. Students apply communication formats, effective messaging, audiovisual communication, and storytelling to increase interactivity and usability in the interface design.

### ADVANCED PLACEMENT COMPUTER PRINCIPLES

**Course Number:** 0200335  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** Algebra I with an average of 90 and Algebra II with an average of 80

Advanced Placement Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications. Advanced Placement Computer Science Principles prepares students for college and career. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Advanced Placement Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. Students must take the national Advanced Placement exam in May at their own expense.





## ENGLISH

### ENGLISH I

<b>Course Number:</b>	1001310
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	None

This course is an overview of rich literature from a wide range of genres (short story, novel, poetry, drama, epic poetry, and literary nonfiction). Students will read and respond to literary criticism and investigate philosophical and literary questions that arise in the texts. This course will provide a foundation in formal writing with instruction and practice in grammar, vocabulary, paragraph writing, and basic research writing. Students will express themselves in multiple writing formats, from investigative reports and literary analyses to summations and research papers. Across all writing formats, students will develop a central idea; maintain a coherent focus in their writing; and elaborate the points they make with well-documented and relevant examples, facts and details.

### HONORS ENGLISH I

<b>Course Number:</b>	1001320
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	Administration approval

This course follows the format of the regular English I class with an increased number of required texts and writing assignments as well as working at a faster pace.

### ENGLISH II

<b>Course Number:</b>	1001340
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	None

This course will focus on literature from around the world (Latin and Central America, Asia, Africa, the Middle East and Russia) incorporating close study of literary works, as well as consideration of historical and cultural context. Students will express themselves in diverse writing formats and prose settings, from investigative reports and literary analyses to summations and research papers. Building on the writing foundation of freshmen year, students will develop a central idea; maintain a coherent focus in their writing; and elaborate the points they make with well documented and relevant examples, facts and details.

### HONORS ENGLISH II

<b>Course Number:</b>	1001350
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	At least 80 in Honors English I or 90 in English I; teacher approval

This course follows the format of the regular English II class with an increased number of required texts and writing assignments as well as working at a faster pace.

### ENGLISH III

<b>Course Number:</b>	1001370
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	None

This course is devoted to the study of American literature from the colonial period to the late twentieth century. Through the analysis of historical and informational texts, students will begin to see the fluid relationship between fiction and nonfiction. Students will have many opportunities to make connections with history, art, and other subjects. Essays will range from the analytical to the creative. Students will build on their writing skills from previous years, integrating multiple sources and perspectives into their work, reading literary criticism, and writing longer and more complex essays.

### HONORS ENGLISH III

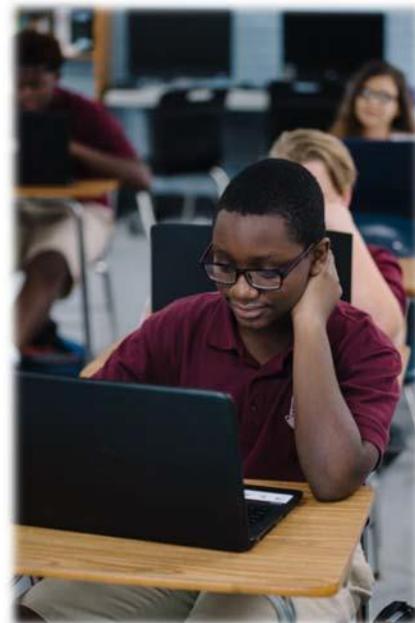
<b>Course Number:</b>	1001380
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	At least 80 in Honors English II or 90 in English II; teacher approval

This course follows the format of the regular English III class with an increased number of required texts and writing assignments as well as working at a faster pace.

### ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION

<b>Course Number:</b>	1001420
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	90 in Honors English II; teacher approval

Students will spend a considerable amount of time in the analytical study of non-fiction: letters, autobiography, persuasive essays, critical reviews, scientific writing and political discourse with a less amount of time devoted to examining place and setting in fiction. Students will write frequently, and their writings will be shared with and analyzed by their peers and the instructor. It is expected that students develop a working vocabulary of literary terms and devices used in the examination of writing, and dissecting the syntax and diction of a work in order to understand the author's intent/ tone. Students must take the national Advanced Placement exam in May, at their own expense.



**ENGLISH IV**

**Course Number:** 1001400  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** None

This course will focus on European literature from the Middle Ages to the present. Units are arranged chronologically, so that students may see how earlier works influence later works and how forms and ideas have evolved over time. Students will consider prominent themes for each time period. Through immersion in the poetry of Shakespeare, Donne, Milton, Blake, Wordsworth, Byron, Auden, and others, students will develop an ear for English metrical forms. In their essays and discussions, students may relate a work to its historical circumstances, trace a symbol through a work or works, or consider a moral or philosophical question. Writing assignments will include essays and research papers.

**HONORS ENGLISH IV**

**Course Number:** 1001410  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 80 in Honors English III or 90 in English III; teacher approval

This course follows the format of the regular English IV class; however, with an increased number of required texts and writing assignments as well as working at a faster pace.

**ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION**

**Course Number:** 1001430  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** Enrollment in AP English III or 90 in Honors English III; teacher approval

Students will spend a considerable amount of time in the analytical study of the various genres. They will be expected to spend time in reading literary criticism of assigned works so that they can expend their abilities to critically approach a work on their own. Students will also write frequently, and their writings will be shared with and analyzed by other students and the teacher. It is expected that students develop critical standards for the appreciation of any literary work and increase their sensitivity to literature. Students must take the national Advanced Placement exam in May, at their own expense.

**CREATIVE WRITING**

**Course Number:** 1009320  
**Semesters:** 1  
**Credits:** 0.5  
**Prerequisite:** None

This course is offered for the student who is serious about fine-tuning writing skills. Students will have the opportunity to write poems, stories, plays, essays, editorials, reviews, and many other forms of writing. Students will focus on elements that constitute effective writing in these genres.

**FINE ARTS****MUSIC APPRECIATION**

**Course Number:** 1300340  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students will have many opportunities to experience various styles of music, composers and music from the different eras in music history. Students will increase their knowledge of music from different regions of the world and how they use music in their culture and lives. As a group the students will also explore different styles of folk dance.

**GUITAR**

**Course Number:** 1301320  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students will be assisted in developing proper posture; reading notes first position; basic rhythms and symbols; basic strums and first position chords. Students will gain knowledge of written notation. Students will develop performance skills on the guitar as they participate in group and individual activities in listening, playing and dictation.

**FILM STUDIES**

**Course Number:** 0107410  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course is designed to give students a greater appreciation for the art of film and cinema. It explores the development of film through history starting with early silent films and progressing to modern-day blockbusters using formal film analysis. A film project is required for the course.

**SPEECH/DEBATE**

**Course Number:** 1007300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** 75 or better in English I, II, III

This course will provide instruction in the fundamentals of formal and informal communication, including techniques of group discussion, effective listening, and public speaking. The latter half of the course will provide instruction in the fundamentals of argumentation and problem solving. There is instruction in thinking, organization of facts, and speaking skills. Students will practice research skills related to debate topics and also participate in frequent debate situations.

**ART 2-D COMPREHENSIVE I**

**Course Number:** 0101300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students will learn concepts and techniques that will give them expressive control over the visual images they produce. They will use a variety of media: pencil, charcoal, pen and ink, watercolors, tempera, and acrylic paints. They will learn the language of art, the elements of art and the principles of design. The course includes aesthetics, an overview of art history and art criticism, which will enable students to create their own artistic product.

**ART 3-D COMPREHENSIVE I**

**Course Number:** 0101330  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students will learn the fundamentals of sculpture, technique, form and content in order to make a personal statement. They will learn the elements of design: shape, texture, plane, value and color, and how to arrange these elements using the principles of order. They will use a variety of media: paper, clay, wood, wire, plaster, and fabric. The course will include aesthetics, art criticism, and art history.

**DRAWING I**

**Course Number:** 0104335  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in drawing. Students practice, sketch, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

**PAINTING I**

**Course Number:** 0104365  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students experiment with the media and techniques used to create a variety of two-dimensional (2-D) artworks through the development of skills in painting. Students practice, and manipulate the structural elements of art to improve mark making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

**DRAWING II**

**Course Number:** 0104350  
**Semesters:** 2  
**Credit:** 1  
**Prerequisite:** Drawing and Painting I

Students develop and refine technical skills and create 2-D compositions with a variety of media in drawing. Student artists sketch, manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

**PAINTING II**

**Course Number:** 0104380  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students develop and refine technical skills and create 2-D compositions in painting. Student artists manipulate, and refine the structural elements of art to improve mark-making and/or the organizational principles of design in a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on activities and consumption of art materials.

**POTTERY**

**Course number:** 0102300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course enables students to recognize the properties, possibilities, and limitations of clay by creating functional and nonfunctional works of ceramics and pottery, using basic hand-building techniques. Students will be able to demonstrate use of basic techniques, clay preparation, hand-building, preparing glazes, decorating, surface design and kiln operation, to produce ceramics and pottery. Students will design and create functional and nonfunctional ceramics and pottery that communicate ideas and demonstrate basic craftsmanship.

**ADVANCED PLACEMENT STUDIO ART**

**Course Number:** 0109300  
**Semesters:** 2  
**Credit:** 1  
**Prerequisite:** Portfolio I can be taken concurrently or as a prerequisite; department approval

Students will be expected to produce a minimum of 24 works of art in a variety of media, techniques and subject matter. Emphasis is placed on drawing from observation, the application of color and design principles, understanding the fundamentals of three-dimensional design, the development of a body of work that is of the student's own choosing, recognition of the history of art and its role in the development of visual ideas, and the application of the critique process in written and oral form. Students must submit their portfolios to the College Board in May, at their own expense.

**BROADCAST**

**Course Number:** 1100300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

The purpose of this course is to provide students with a knowledge of basic audio/visual skills, both technical and non-technical, and to assist students in generating worthwhile ideas and translating them into effective multi-media messages. Students in this course are responsible for the school's live morning broadcast and other school audio/visual projects. Class size is limited and seniors have preference.



## FOREIGN LANGUAGE

### SPANISH I

<b>Course Number:</b>	0708340
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	None

This course is designed to develop fundamental listening, reading, speaking, and writing skills in the Spanish language. Basic grammar and pronunciation are emphasized. An introduction to Spanish and Hispanic culture is included.

### SPANISH II

<b>Course Number:</b>	0708350
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	At least 70 in Spanish I

This course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. More vocabulary and advanced grammar is introduced and previously learned skills are reinforced.

### SPANISH II HONORS

<b>Course Number:</b>	0708350
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	85 or better in Spanish I; teacher approval

This course is designed to better prepare the student who wishes to continue with higher levels of this language. In addition to the material in the regular level II class, advanced grammar, vocabulary and oral skills will be pursued.

### SPANISH IV HONORS

<b>Course Number:</b>	0708370
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	At least 80 in Spanish III Honors; teacher approval

Advanced grammar is reviewed and highlighted in various genre of literature. Reading, writing, and oral discussion skills in the target language are further developed. Class is conducted in the target language.

### SPANISH V HONORS

<b>Course Number:</b>	0708380
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	At least 80 or in Spanish IV Honors; teacher approval

This course is for the student who has reached a higher level of linguistic development. Advanced grammar is reviewed and more sophisticated vocabulary is acquired through reading and discussion of diverse literary genres that deal with the history, philosophy, social behavior, and political thought of the Spanish-speaking world. Class is conducted in the target language.

### ADVANCED PLACEMENT SPANISH LANGUAGE AND CULTURE

<b>Course Number:</b>	0708400
<b>Semesters:</b>	2
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	At least 90 in Honors Spanish IV; teacher approval

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The Advanced Placement Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. Students must take the national Advanced Placement exam in May, at their own expense.

### ADVANCED PLACEMENT SPANISH LITERATURE AND CULTURE

<b>Course Number:</b>	0708410
<b>Semesters:</b>	2
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Passed the Advanced Placement Spanish Language and Culture Exam.

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students continue to develop proficiencies across the full range of the modes of communication (interpersonal, presentational, and interpretive), honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, and literary criticism.)



## MATHEMATICS

### ALGEBRA I

<b>Course Number:</b>	1200310
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	Placement Test

This course develops the algebra concepts and processes to use variables, the real number system, equations and inequalities, relations and functions, graphs, linear systems, polynomials, factoring, rational and irrational numbers, radical expressions and quadratic equations.



### HONORS ALGEBRA I

**Course Number:** 1200320  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** Administrator approval

This course is a rigorous introduction to algebra, covering variables, the real number system, linear equations and inequalities, relations and functions, variation, polynomials, rational and irrational expressions, graphs, linear systems, exponents, factoring, and quadratic equations.

### GEOMETRY

**Course Number:** 1206310  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** Algebra I

This course develops geometric relationships and deduction strategies through the study of logic, parallelism and perpendicularity, segments and angles, congruence, similarity, 2 and 3 dimensional figures, perimeter, area and volume, constructions, and coordinate geometry.

### HONORS GEOMETRY

**Course Number:** 1206320  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 80 in Honors Algebra I, or 90 in Algebra I; teacher approval; administrator approval for ninth graders

This course provides a rigorous in-depth study of geometric relationships and deduction strategies, covering logic, proofs, segments and angles, congruence, similarity, 2 and 3 dimensional figures, coordinate geometry, and locus.



### ALGEBRA II

**Course Number:** 1200330  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** Algebra I, Geometry

This course continues and extends the study of algebra. It includes the structure and properties of the real number system, relations, functions, and graphs, quadratic equations and inequalities, complex numbers, polynomials and rational expressions, exponents and logarithms, and problems using systems of equations and inequalities. TI-Nspire graphing calculators will be used daily.



### HONORS ALGEBRA II

**Course Number:** 1200340  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** Geometry; at least 80 in Honors Algebra I or 90 in Algebra I; Algebra teacher approval

This course presents an in-depth study of algebraic structure, including properties of real and complex numbers; systems of equations and inequalities; relations, functions, and graphs; polynomial and rational expressions; radicals, exponents, and logarithms; conic sections; matrix algebra; sequences and series; permutations, combinations, and probability. TI-Nspire graphing calculators will be used daily.

### HONORS PRE-CALCULUS

**Course Number:** 1202340  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 80 in Honors Algebra II or 90 in Algebra II; teacher approval

This course is designed to emphasize the study of functions, trigonometry and algebra necessary for the study of calculus. Content will include functions, sequences and series, limits, vectors, conic sections, graphing, higher order polynomials, exponentials and logarithms, trigonometric functions and identities. TI-Nspire graphing calculators will be used daily.

### HONORS CALCULUS

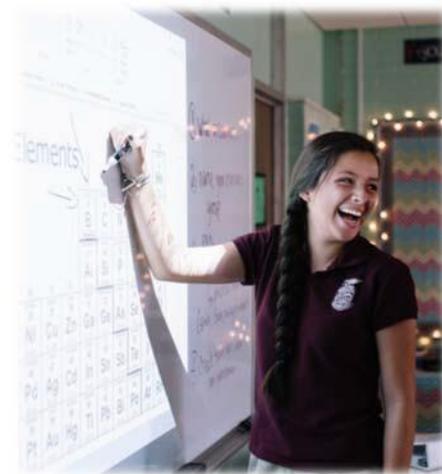
**Course Number:** 1202300  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 80 in Honors Pre-Calculus or 90 in Pre-Calculus; teacher approval

This course will provide a solid foundation for the study of advanced mathematics. Content will include limits, derivatives, applications of differentiation, antiderivatives, integrals, and applications of integration. TI-Nspire graphing calculators will be used daily.

### ADVANCED PLACEMENT CALCULUS AB

**Course Number:** 1202310  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 94 in Honors Pre-Calculus; teacher approval

This course will provide a solid foundation for the study of advanced mathematics. Content will include limits, derivatives, applications of differentiation, antiderivatives, integrals, and applications of integrals. Testing will include AP level work. TI-Nspire graphing calculators will be used daily. Students must take the national Advanced Placement exam in May at their own expense.



### MATH FOR COLLEGE READINESS

**Course Number:** 1298310  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** Completion of Algebra II

This course presents a problem-solving approach that emphasizes real-world connections. The content includes sets, logic, number theory, money, counting techniques, mathematical systems, geometry, functions, matrices, and trigonometry. TI-Nspire graphing calculators will be used daily.

## ADVANCED PLACEMENT STATISTICS

**Course Number:** 1210320  
**Semesters:** 2  
**Credits:** 1.0  
**Prerequisites:** 90 in Honors Algebra II or 85 in Honors Pre-Calculus or 85 in Honors Probability and Statistics

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The main conceptual themes covered are: exploring data, sampling and experimentation, anticipating patterns using probability and simulation, and statistical inference, including hypothesis testing. Students must take the national Advanced Placement exam in May, at their own expense.

## PHYSICAL EDUCATION

### PERSONAL FITNESS

**Course Number:** 1501300  
**Semesters:** 1  
**Credits:** 0.5  
**Prerequisite:** None

The content of this course will include the importance of physical fitness, health problems associated with inadequate fitness levels, sound nutritional practices related to physical fitness, and consumer issues related to physical fitness.

### FITNESS LIFE DESIGN

**Course Number:** 1501310  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

The goal of this Fitness Lifestyle Design Course is to encourage and develop a lifelong, positive attitude toward being physically fit through participation in a variety of **fitness activities**.



### RECREATIONAL ACTIVITIES

**Course Number:** 1502470  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

The purpose of this course is to enable students to develop knowledge and skills in recreational activities and maintain or improve health-related fitness. Content will include the care of prevention of athletic injuries, rules and terminology, techniques and strategies, sportsmanship, and recreational games such as but not limited to ultimate Frisbee, capture the flag, and various basketball activities. This course will include a classroom component.

### TEAM SPORTS

**Course Number:** 1503350  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course is designed to provide students with an understanding of the history, rules, techniques, and skills of selected team sports. Students will achieve improved personal fitness, improved skills, and gain knowledge of physiological principles related to certain team sports. Team sports will include: basketball, softball, flag football, volleyball, and soccer.

### WEIGHT TRAINING I

**Course Number:** 1501340  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

In this course, the student advances his/her physical training by learning the muscle groups and what exercises develop them. The course includes an introduction to the technological methods of training with a concentration on flexibility and cardiovascular development.

### WEIGHT TRAINING II

**Course Number:** 1501350  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** Weight Training I

The knowledge and techniques which students learn in Weight Training I are reinforced to increase strength and refine development.

## SCIENCE

### BIOLOGY

**Course Number:** 2000310  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** None

The purpose of this laboratory course is to provide general exploratory experiences and activities in the fundamental concepts of life. Course content includes the scientific method, cell biology, basic principles of genetics and evolution theory, and a survey of microorganisms, plants, animals, and the human body.

### HONORS BIOLOGY

**Course Number:** 2000320  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** Placement test; administration approval

The purpose of this laboratory course is to provide general exploratory experiences and activities in the fundamental concepts of life. Topics reflect those in the regular biology course but are studied in greater depth.

### ADVANCED PLACEMENT BIOLOGY

**Course Number:** 2000340  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 90 in Honors Biology or 95 in Biology; 85 in Honors Chemistry or 90 in Chemistry; teacher recommendation

This course is part of the nationally recognized Advanced Placement program. As such it is an accelerated second year biology course which covers the three major areas of molecules and cells, heredity and evolution, and organisms and populations. Emphasis is placed on developing a conceptual framework for biology and appreciation of science as a process. Students must take the national Advanced Placement exam in May, at their own expense.



## CHEMISTRY

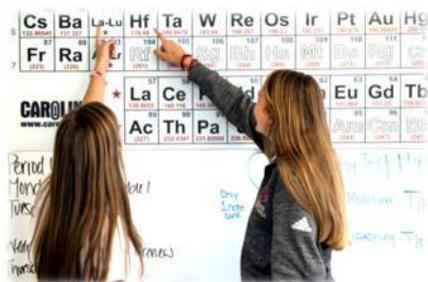
**Course Number:** 2003340  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** Biology; Algebra I

The purpose of this laboratory course is to study the composition, properties, and changes associated with matter. Course content includes classification and structure of matter, atomic theory, the periodic table, chemical reactions and balanced equations, and the mole concept and stoichiometry.

## HONORS CHEMISTRY

**Course Number:** 2003350  
**Semesters:** 2  
**Credits:** 1.0  
**Prerequisites:** At least 80 in Honors Biology or 90 in Biology; 80 in Honors Algebra I or 90 in Algebra I; concurrent with Algebra II or higher

The purpose of this laboratory course is to study the composition, properties, and changes associated with matter. Topics reflect those studied in the chemistry course but are studied in greater depth.



## ADVANCED PLACEMENT CHEMISTRY

**Course Number:** 2003370  
**Semesters:** 2  
**Credits:** 1.0  
**Prerequisites:** At least 90 in Honors Chemistry or 95 in Chemistry; at least 85 in Honors Algebra II or 90 in Algebra II; teacher recommendation

This course provides students with a college-level foundation to support future advanced work in chemistry. This is an accelerated second year chemistry course. Students advance in understanding through hands on inquiry activities, exploring topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students must take the national Advanced Placement exam in May, at their own expense.



## ANATOMY AND PHYSIOLOGY

**Course Number:** 000350  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** Two years of high school science including Biology

The purpose of this laboratory course is to provide exploratory activities in the structures and functions of the human body. Course content includes anatomical terminology, chemistry within the body, cells and tissues, study of the various body systems, and homeostasis.

## HONORS ANATOMY AND PHYSIOLOGY

**Course Number:** 2000360  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** At least 90 in Chemistry and Biology; or 80 in Honors Chemistry and Honors Biology

The purpose of this laboratory course is to provide exploratory activities in the structures and functions of the human body. Topics reflect those in Anatomy and Physiology but are studied in greater depth. This lab course is limited to seniors.



## PHYSICS

**Course Number:** 2003380  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** Two years of high school science. At least 80 in Algebra II

This course presents concepts governing the interaction of matter and energy, with special emphasis on applications relevant to the student's daily life. Course content includes velocity, acceleration, force, energy, work, heat, sound, light and optics, electricity and magnetism, and nuclear physics. Demonstrations and laboratory work illustrate many of the concepts studied.

## HONORS PHYSICS

**Course Number:** 2003390  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 80 in Honors Chemistry and Honors Biology or 90 in Chemistry and Biology; at least 80 in Honors Algebra II or 90 in Algebra II

This course presents a rigorous treatment of the concepts, theories and laws governing the interaction of matter, energy and forces. Course content includes kinematics, dynamics, energy, work and power, thermodynamics, wave theory and optics, light, sound, electricity and magnetism, and nuclear physics. Demonstrations and laboratory work illustrate many of the concepts studied.



**ENVIRONMENTAL SCIENCE**

**Course Number:** 2001340  
**Semesters:** 2.0  
**Credits:** 1.0  
**Prerequisites:** Biology

The purpose of this course is to study the interactions between the physical, chemical, and biological components of the environment, including their effects on all types of organisms but more often refers to human impact on the environment.

**HONORS ENVIRONMENTAL SCIENCE**

**Course Number:** 2001340  
**Semesters:** 2.0  
**Credits:** 1.0  
**Prerequisites:** 80 or above in previous Honors courses. 90 or above in previous regular courses

The purpose of this course is to study the interactions between the physical, chemical, and biological components of the environment, including their effects on all types of organisms but more often refers to human impact on the environment. Topics reflect those in Environmental Science but are studied in greater depth.

**ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE**

**Course Number:** 2001380  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 90 in Honors Biology and Honors Chemistry or a 95 in Biology and Chemistry; completion or enrollment in Algebra II; signature of Advanced Placement Environmental Science Teacher

This course is designed to be the equivalent of a one-semester, introductory college course in environmental science. The purpose of this 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. Students must take the national Advanced Placement exam in May, at their own expense.

**SOCIAL STUDIES****WORLD CULTURES/ GEOGRAPHY**

**Course Number:** 2103300  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** None

The purpose of this course is to provide students with the opportunity to acquire an understanding of the interrelationships between people and their environments. Course content will include the study of relationships between physical geography, natural resources, and the economic, political, social, cultural, religious, and historic aspects of human activity. The Middle East, Asia, Africa and Latin America will be the focus of the course.

**HONORS WORLD CULTURES/ GEOGRAPHY**

**Course Number:** 2103300  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** Placement test; administrator approval

The purpose of this course is to provide students with the opportunity to acquire an in-depth understanding of the interrelationships between people and their environments. Students will use critical thinking skills to study the relationships between physical geography, natural resources, and the economic, political, social, cultural, religious, and historic aspects of human activity. The Middle East, Asia, Africa, Europe, and Latin America will be the focus of this course. More extensive writing and research skills will be developed.

**ADVANCED PLACEMENT HUMAN GEOGRAPHY**

**Course Number:** 2103400  
**Semesters:** 2  
**Credits:** 1.0  
**Prerequisites:** Placement test; administrator approval

This course focuses on the four sub-fields of human geography: economic geography, cultural geography, political geography, and urban geography. Emphasis is placed on the impact of phenomena such as globalization, colonialism, and human-environmental relationships on places, regions, cultural landscapes, and patterns of interaction. Specific topics include: population, migration, cultural patterns, political organization of space, agriculture, food production, rural land use, industry and economic development, cities and urban land use. An important part of the course is the application of concepts to current events. Students must take the national Advanced Placement exam in May, at their own expense.

**WORLD HISTORY**

**Course Number:** 2109310  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** None

The purpose of this course is to acquire an understanding of the chronological development of civilization by examining the political, economic and social events that have affected humanity.

**HONORS WORLD HISTORY**

**Course Number:** 2109320  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** 80 in Honors World Cultures or 95 in Regular World Cultures; teacher approval

This course will include the content of World History. Students will also use critical thinking skills to understand cause/effect relationships in the history of civilized man. Students will also read and interpret historical documents, do research on a more advanced level, and do more extensive essay writing.

## ADVANCED PLACEMENT WORLD HISTORY

**Course Number:** 2109420  
**Semesters:** 2  
**Credit:** 1.0

**Prerequisites:** At least 90

in Honors World Cultures; teacher approval

The purpose of this advanced placement course is for students to critically analyze, interpret, and evaluate historical change and continuity in Africa, the Americas, Asia, and Europe from 8000 BC to the present. Students will be exposed to a great variety of primary source material and will focus on mastery of content material and writing skills. Students must take the national Advanced Placement exam in May, at their own expense.

## US HISTORY

**Course Number:** 2100310  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** None

The purpose of this course is to acquire an understanding of the chronological development of the American people by examining the political, economic, and social events that have affected the rise and growth of our nation.

## HONORS US HISTORY

**Course Number:** 2100320  
**Semesters:** 2  
**Credit:** 1.0

**Prerequisites:** At least 80 in Honors World History or at least 90 in World History; teacher approval

The purpose of this course is to acquire an in-depth understanding of the chronological development of the American people by examining the political, economic and social events that have affected the rise and growth of our nation. Students will use critical thinking skills to analyze historical themes and events throughout American history.



## ADVANCED PLACEMENT US HISTORY

**Course Number:** 2100330  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** 90 or better in Honors World History, at least 80 in AP World History, writing sample, and teacher approval

The purpose of this advanced placement course is for students to apply critical thinking skills to analyze, interpret and evaluate historical themes and events throughout American history. Students will be expected to read a significant amount of outside material as well as completing a considerable number of writing assignments. Students must take the national Advanced Placement exam in May, at their own expense.

## US GOVERNMENT

**Course Number:** 2106310  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

The purpose of this course is to give students an understanding of American government and political behavior. Content includes an understanding of government concepts and foundations, the Constitution, powers and duties of the legislative, executive and judicial branches, state/local government, political participation and influence, and the American legal process.

## SURVEY OF ECONOMICS

**Course Number:** 2102310  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to acquire an understanding of the way in which society organized its limited resources to satisfy unlimited wants. Students will be introduced to macro, micro and applied economic principles and will determine how basic economic questions are answered.

## ADVANCED PLACEMENT GOVERNMENT/ADVANCED PLACEMENT MICROECONOMICS

**Course Number:** 2106420/

**Semesters:** 2102360  
2

**Credit:** 1.0  
**Prerequisites:** At least 80 in AP US History, or at least 90 every quarter in Honors, US History and a writing sample; teacher approval

The government component of this course is comparable to an introductory college course in government and politics. Students will study general concepts, patterns of behavior, institutions, groups, beliefs and ideas that constitute US politics. Topics will include constitutional underpinnings, political beliefs and behaviors, political parties, interest groups, mass media, public policy, civil rights and civil liberties.

The focus of the economics component of this course is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economics system. This includes the role of government in promoting greater efficiency and equity in the economy and an overview of the modern market economy as a system for dealing with the problem of scarcity and resource allocation. Students must take both national Advanced Placement exams in May at their own expense.

## PSYCHOLOGY

**Course Number:** 2107300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** World History

The purpose of this course is to provide students with opportunities to acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Course content includes such topics as human growth and development, intelligence, conditioning and learning, personality and behavior, and mental health. This course is limited to juniors and seniors.



**HONORS PSYCHOLOGY**

**Course Number:** 2107300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** 3.25 GPA  
 and World History

The purpose of this course is to provide students with opportunities to acquire an understanding of human behavior, behavioral interaction, and the progressive development of individuals. Course content includes such topics as human growth and development, intelligence, conditioning and learning, personality and behavior, and mental health. Topics reflect those in Psychology but in greater depth. This course is limited to juniors and seniors.

**SOCIOLOGY**

**Course Number:** 2108300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** World  
 History

The purpose of this course is to acquire an understanding of group interaction and its impact on individuals and society. Content includes such topics as social norms, classes, deviation, conflict, and the role of social organizations and institutions. Topics reflect those of Sociology but in greater depth. This class is limited to juniors and seniors.

**HONORS SOCIOLOGY**

**Course Number:** 2108300  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** 3.25 GPA  
 and World History

The purpose of this course is to acquire an understanding of group interaction and its impact on individuals and society. Content includes such topics as social norms, classes, deviation, conflict, and the role of social organizations and institutions. Topics reflect those of Sociology but in greater depth. This class is limited to juniors and seniors.

**LAW STUDIES**

**Course Number:** 2106350  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** World  
 History

The purpose of this course is to acquire an understanding of the American legal system. Students will study the fundamental values underlying our criminal justice system and the place of law in preserving order in society. Content will include civil and criminal law, adult and juvenile courts, causes and consequences of crime, and individual rights and responsibilities. This course is limited to juniors and seniors.

**THEOLOGY/RELIGIOUS STUDIES****CHRISTOLOGY**

**Course Number:** 2104320  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living word of God, the second person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be. This is a first semester course taken by freshmen.

**FOUNDATIONS IN CHRISTIAN THEOLOGY FOR INTERNATIONAL STUDENTS**

**Course Number:** 2100370  
**Semesters:** 1  
**Credit:** 1  
**Prerequisites:** None

The purpose of this course is to present students with an introduction to the concept of religion and religiosity. Students will explore the history and importance of religion, and will come to understand human being's desire to know God. In this course, students will learn of the major concepts of Christian theology and will gain an understanding of the basic tenets of Catholic faith.

**FOUNDATIONS IN CHRISTIAN THEOLOGY**

**Course Number:** 2100370  
**Semesters:** 1  
**Credit:** 1  
**Prerequisites:** For students  
 that score 67 or below on Religion  
 Entrance Exam

The purpose of this course is to present students with an introduction to the concept of religion and religiosity. Students will explore the history and importance of religion, and will come to understand human being's desire to know God. In this course, students will learn of the major concepts of Christian theology and will gain an understanding of the basic tenets of Catholic faith.

**CHURCH HISTORY**

**Course Number:** 2109410  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today and, as such, has both Divine and human elements. In this course, students will learn about the Church's 2000 years of history and about how the Church is led and governed by the successors of the Apostles. This is a second semester course taken by sophomores.

**SACRED SCRIPTURE: OLD TESTAMENT**

**Course Number:** 2109410  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In this course they will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Students will learn how to read the Bible and will become familiar with the major sections of the Old Testament and the books included in each section. This is a second semester course taken by freshmen and a first semester course taken by sophomores.



### **SACRED SCRIPTURE: NEW TESTAMENT**

**Course Number:** 1005340  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ as portrayed in the New Testament. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. Through their study of the New Testament, students will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. This is a second semester course taken by sophomores.

### **WORLD RELIGIONS**

**Course Number:** 2105310  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted her to the fullness of God's Revelation, the course is intended to help students recognize the ways in which important spiritual truth can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them recognize the ways in which other systems of belief and practice differ from the Catholic faith. This is a second semester course taken by juniors.

### **MORALITY**

**Course Number:** 2105350  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God's plan for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples. This is a first semester course taken by juniors.



### **SOCIAL JUSTICE**

**Course Number:** 2105355  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to introduce students to the Church's Social Teaching. In this course students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission. Students will examine thoroughly the Seven Principles of Catholic Social Teaching. This is a first semester course taken by seniors.



### **SACRAMENTAL LIFE**

**Course Number:** 0800330  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

The purpose of this course is to help students to understand that they can encounter Christ today in a full and real way in and through the Sacraments, and especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life. Students will also examine the vocations of life: how Christ calls us to live. They will understand the importance of the Sacraments supporting their vocational call. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian community. This is a second semester course taken by seniors.

# Four Year Curriculum Plan

## 9th Grade

Theology I - 1.0  
 English I - 1.0  
 Biology - 1.0  
 Mathematics - 1.0  
     Algebra I  
     Algebra II  
 Foreign Language - 1.0  
 World Cultures - 1.0  
     AP Human Geography  
 Elective Course - 1.0

**Minimum Credits = 7.0**

## 10th Grade

Theology II - 1.0  
 English II - 1.0  
 World History - 1.0  
 Chemistry - 1.0  
     Environmental Science  
 Mathematics - 1.0  
     Geometry  
     Algebra II  
     Pre-Calculus  
     AP Statistics  
 Foreign Language - 1.0  
 Elective Course - 1.0

**Minimum Credits = 7.0**

## 11th Grade

Theology III - 1.0  
 English III - 1.0  
 U.S. History - 1.0  
 Mathematics - 1.0  
     Geometry  
     Math for College Readiness  
     AP Statistics  
     Pre-Calculus  
 Science - 1.0  
     Anatomy and Physiology,  
     Physics  
 Elective Courses - 2.0

**Minimum Credits = 7.0**

## 12th Grade

Theology IV - 1.0  
 English IV - 1.0  
 American Government - 0.5  
 Economics - 0.5  
 Mathematics - 1.0  
     Math for College Readiness,  
     Pre-Calculus, Calculus,  
     AP Calculus, AP Statistics  
 Science - 1.0  
     Physics, Advanced Placement  
     Biology, Anatomy and  
     Physiology  
 Elective Courses - 2.0

**Minimum Credits = 7.0**

