



# Santa Fe Catholic High School

*Preparing Students for College and the World*

## 2012 - 2013 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	0.5 credits
Personal Fitness	0.5 credits
Foreign Language	2.0 credits
Fine Arts	1.0 credits
Computer Education	0.5 credits
Electives (Possible)	4.0 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.

#### **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**

<b>Course Number:</b>	8215120
<b>Semesters:</b>	1
<b>Credit:</b>	0.5
<b>Prerequisite:</b>	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**

<b>Course Number:</b>	8827100
<b>Semesters:</b>	1
<b>Credit:</b>	0.5
<b>Prerequisite:</b>	None

This course is an introduction to marketing activities in modern businesses. The major topics include: marketing 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**

<b>Course Number:</b>	0200310
<b>Semesters:</b>	1
<b>Credit:</b>	0.5
<b>Prerequisite:</b>	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, Desktop Publishing) and keyboarding skills.

## **PROGRAMMING**

<b>Course Number:</b>	0201330
<b>Semesters:</b>	1
<b>Credit:</b>	0.5
<b>Prerequisite:</b>	None

This course will provide students with a beginning course in computer programming, covering the fundamental concepts involved in algorithmic problem solving with computing machines. Students will create programs using a high-level programming language to implement simple algorithms.

## **INTERACTIVE DESIGN**

<b>Course Number:</b>	0200385
<b>Semesters:</b>	1
<b>Credit:</b>	0.5
<b>Prerequisite:</b>	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**

<b>Course Number:</b>	8207110
<b>Semesters:</b>	1
<b>Credit:</b>	0.5
<b>Prerequisite:</b>	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.



## **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; however, 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 86 in Honors English I or 90 in English I; teacher approval

This course follows the format of the regular English II class; however, 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 86 in Honors English II or 90 in English II; teacher approval

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

### ADVANCED PLACEMENT ENGLISH III

<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

<b>Course Number:</b>	1001400
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisite:</b>	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

<b>Course Number:</b>	1001410
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	At least 86 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 IV

<b>Course Number:</b>	1001430
<b>Semesters:</b>	2
<b>Credit:</b>	1.0
<b>Prerequisites:</b>	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

<b>Course Number:</b>	1009320
<b>Semesters:</b>	1
<b>Credits:</b>	0.5
<b>Prerequisite:</b>	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.



**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 oral 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. *This course counts toward the fine arts graduation requirement.*

**FINE ARTS****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 AND PAINTING I**

**Course Number:** 0104320  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

Students will have an in-depth understanding of design and composition in drawing and painting. They will use the elements of line, color, value, space, shape, form and texture, and the principles of emphasis, balance, rhythm, repetition, contrast and unity that will enable them to create products of quality composition. They will further their skills using a wide variety of drawing and painting media. They will also study art history, aesthetics and how to critique a work of art which will enable them to use self-expression in their art work.

**DRAWING AND PAINTING II**

**Course Number:** 0104330  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** Drawing and Painting I

Students will continue to investigate a variety of media and further experience skill development in design and composition. In their study of art history, they will learn the significance of drawing and painting in art and their relationship to other periods of history. They will learn to critique art and produce work with creative expressive quality.

**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.

**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 multimedia 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

**Course Number:** 0708340  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** 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

**Course Number:** 0708350  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** 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

**Course Number:** 0708350  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** 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 III HONORS

**Course Number:** 0708360  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** 85 or better in Spanish II; teacher approval

All four language skills are developed to a greater degree. Discussions in the target language are emphasized. Cultural enhancement continues at an expanded level.

### SPANISH IV HONORS

**Course Number:** 0708370  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 85 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

**Course Number:** 0708380  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 85 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.

### FRENCH II

**Course Number:** 0701330  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** At least 70 in French I

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

### FRENCH II HONORS

**Course number:** 0701330  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 85 in French 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.

### FRENCH IV HONORS

**Course Number:** 0701350  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 85 in French 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.

## MATHEMATICS

### ALGEBRA 1B

**Course Number:** 1200380  
**Semesters:** 2  
**Credits:** 1.0  
**Prerequisite:** Algebra 1A

This course reviews the solving of equations and inequalities. It covers exponent rules, square roots, polynomials, factoring, rational expressions, and quadratic equations. *This course is NOT accepted for Bright Futures and does not meet State University System Requirements.*



**ALGEBRA I**

**Course Number:** 1200310  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** 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**

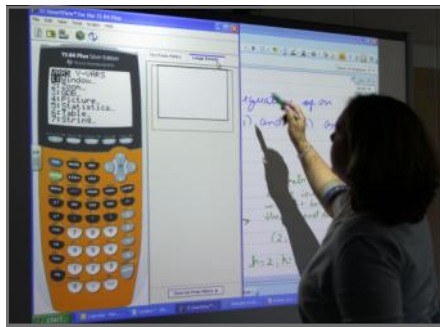
**Course Number:** 1206320  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 85 in Honors Algebra I, or 90 in Algebra I; teacher approval; administrator approval for ninth graders

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 85 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.

**PROBABILITY AND STATISTICS**

**Course Number:** 1210300  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** At least 80 in Algebra II

This course explores the concepts of probability, elementary statistics, and hypothesis testing. The content includes but is not limited to random experiments, probability concepts, permutations, combinations, the normal curve, sample space, binomial distribution, and concepts of descriptive statistics, correlation, regression, confidence intervals and chi-square.

**TRIGONOMETRY/ANALYTIC/GEOMETRY**

**Course Number:** 1211300/  
1206330  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisite:** At least 80 in Algebra II.

The first semester focuses on circular and trigonometric functions and their applications, including graphs of the trigonometric functions, proofs of identities, solutions of trigonometric equations, inverses of the trigonometric functions, and problems involving right and oblique triangles. The second semester stresses the relationship between algebra and geometry, including graphs of straight lines, conic sections, families of curves, polynomial and rational functions, exponential functions, and polar coordinate graphs. TI-Nspire graphing calculators will be used daily.

**HONORS PRE-CALCULUS**

**Course Number:** 1202340  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** At least 85 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 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 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.

**ADVANCED TOPICS IN MATHEMATICS**

**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.

**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 a consumer issues related to physical fitness.

**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 may 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:** At least 85 in Honors Earth/Science or 90 in Earth/Science; 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.

**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 85 in Honors Biology or 90 in Biology; at least 85 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.

**ANATOMY AND PHYSIOLOGY**

**Course Number:** 2000350  
**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 previous science courses; 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. 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 85 in Honors Chemistry and Honors Biology or 90 in Chemistry and Biology; at least 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.

**ADVANCED PLACEMENT BIOLOGY**

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

This lab 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. Biology II must be taken concurrently. 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.

## 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.

## ADVANCED PLACEMENT GOVERNMENT/ADVANCED PLACEMENT MICROECONOMICS

**Course Number:** 2106420/  
2102360

**Semesters:** 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.





## **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.

## **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.

## **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. 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 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.

## **FLORIDA HISTORY**

**Course Number:** 2100350  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

The purpose of this course is to acquire an understanding of the development of Florida history within the context of global and US history. Course content includes such topics as Spanish, French, British and American occupation, Native American life, annexation and the territorial experience, slavery, the Civil War and reconstruction, urbanization and industrialization, population diversity, and post-World War II Florida.



## ***THEOLOGY/RELIGIOUS STUDIES***

### **THE BIBLE: THE LIVING WORD OF GOD**

**Course Number:** 0900410  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

Following the guidelines of the Bishop's framework, this course

provides an introduction to the Sacred Scriptures and to the unfolding of salvation history, with a particular focus on Jesus Christ as the fulfillment of salvation history. Revelation, both divine and natural, is explored, as are inspiration, interpretation, and exegesis. The course guides the students in coming to know the people of salvation history, including the early leaders of Israel; the judges, kings, and the prophets; and the history of salvation as revealed in the New Testament. The students also learn about the role of the Scriptures in the life of faith for the individual as well as for the life of the Church. This course is taken by freshmen.

### **JESUS CHRIST: GOD'S LOVE MADE VISIBLE**

**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** None

Following the guidelines of the Bishop's framework, this course provides the students with the opportunity to encounter Jesus Christ, the Second Person of the Trinity. This course leads the students toward a deeper understanding of Divine Revelation, the Trinity, the Incarnation, Jesus, salvation, and discipleship as a response to God's love. This course is taken by freshmen.

### **HEBREW AND CHRISTIAN SCRIPTURES**

**Course Number:** 0900400/  
0900410  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** None

This course is designed to introduce students to the historical and theological development of Hebrew Scriptures (Old Testament) and further the students' knowledge of the Christian Scriptures (New Testament) in light of the Roman Catholic tradition. This course is taken by sophomores.





### ETHICS/SOCIAL JUSTICE

**Course Number:** 2105350  
**Semesters:** 2  
**Credit:** 1.0  
**Prerequisites:** None

Ethics explores the elements applicable to moral decision making using the Ten Commandments and Catechism of the Catholic Church as the framework. Students will study the implications of the values and principles of the Commandments and their relevance in contemporary society. Social Justice investigates justice and peace issues that affect the individual, family, community and the world in the context of Gospel values and Catholic Social Teaching principles. This course is taken by juniors.



### WORLD RELIGIONS

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

This course is designed to study the historical and theological developments of several world religions. Students will explore reasons for studying comparative religion; it will offer insight into different cultures and people's quest for understanding the mysteries of life and for the sacred, providing an opportunity to reflect upon the truths revealed in their beliefs and practices. This course is taken by seniors.

### CHRISTIAN LIFESTYLES/ LEADERSHIP

**Course Number:** 2400310  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisite:** None

This course is designed to aid students in facing the challenges of young adulthood so that they can share a future that is hopeful, healthy, and full. Students will identify the qualities and skills of effective Christian leaders and discover ways to develop and live as Christian leaders today. This course is taken by seniors.



### MISCELLANEOUS

#### CRITICAL THINKING AND STUDY SKILLS

**Course Number:** 1700370  
**Semesters:** 1  
**Credit:** 0.5  
**Prerequisites:** Open to first semester juniors and second semester sophomores; Geometry; concurrent enrollment in Geometry

The purpose of this course is to strengthen the student's test-taking skills. Students will practice thinking strategies, become thoroughly familiar with the structure of standardized exams, and build verbal communication skills and mathematical reasoning.



Learning is not attained by chance, it must be sought for with ardor and attended to with diligence.

Abigail Adams



# Four Year Curriculum Plan

## 9th Grade

Theology I - 1.0  
English I - 1.0  
Computer Applications - 0.5  
Biology - 1.0  
Mathematics - 1.0  
    Algebra I  
    Geometry  
Foreign Language - 1.0  
World Cultures - 1.0  
Elective - 0.5

**Minimum Credits = 7.0**

## 10th Grade

Theology II - 1.0  
English II - 1.0  
World History - 1.0  
Biology, Chemistry - 1.0  
Mathematics - 1.0  
    Algebra IB  
    Geometry  
    Algebra II  
Foreign Language - 1.0  
Personal Fitness - 0.5  
Elective - 0.5

**Minimum Credits = 7.0**

## 11th Grade

Theology III - 1.0  
English III - 1.0  
U.S. History - 1.0  
Mathematics - 1.0  
    Geometry  
    Algebra II  
    Advanced Topics in Mathematics  
    Probability and Statistics  
    Trigonometry  
    Pre-Calculus  
Science - 1.0  
    Anatomy/Physiology  
    Chemistry, Physics  
Elective Courses - 2.0

**Minimum Credits = 7.0**

## 12th Grade

Theology IV - 1.0  
English IV - 1.0  
American Gov't - 0.5  
Economics - 0.5  
Mathematics - 1.0  
    Algebra II  
    Advanced Topics in Mathematics  
    Probability and Statistics  
    Trigonometry, Pre-Calculus  
    Calculus  
Science - 1.0  
    Physics, AP Biology,  
    Anatomy/Physiology  
Elective Courses - 2.0

**Minimum Credits = 7.0**

