

SFCA

Southwest Florida Christian Academy

2019-2020 Course Description Catalog

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SFCA's Mission Statement

*Southwest Florida Christian Academy, a ministry of McGregor Baptist Church, will **partner** with Christian parents to **provide** their children with a distinctively biblical and academically excellent education that will **equip** students to be godly leaders and to successfully **engage** the culture for Christ.*

Southwest Florida Christian Academy offers a college-preparatory academic program. The following course listing meets both state and SFC A college-preparatory diploma requirements. The numbers of required credits listed are the minimum necessary for the college-preparatory diploma. Students have the opportunity to take additional courses, and they can graduate with up to 28 credits.

Community Service Requirement

To meet graduation requirements, high school students must complete 25 hours of community service each year they attend SFC A, with a minimum of 100 hours.

College Prep Diploma (26 Credit Minimum)

English	4 credits
Math <i>Algebra 1 and above</i>	4 credits
Science <i>Biology, Chemistry, Physics or equivalent</i>	3 credits
Social Science <i>U.S. History, World History, American Government & Economics</i>	3 credits
Physical Education (HOPE)	1 credit
World Language	2 credits
Bible <i>*1 credit for each year of attendance at SFC A</i>	4 credits*
Performing / Practical Arts	1 credit
Additional Electives	4 credits

Note: Some colleges and Bright Futures Scholarships consider only grades in core academic courses when computing a grade point average.

High School students, with assistance from the High School Director of Academic Advising, and in partnership with parents, will build a schedule of classes that will prepare them for college. Each student will meet with the Guidance Department to assure a course of study is chosen that meets his or her individual academic plan, interests, and goals. Some courses carry prerequisites that must be met prior to scheduling. In addition, Honors and Advanced Placement courses will require a teacher recommendation.

College Prep

These courses follow a core curriculum (language arts, math, science, foreign language, and social studies) that will prepare students for admission to most colleges.

Honors

Honors courses offer a core curriculum that provides greater depth of subject matter and may include assignments that require an above average analytical reading ability and challenges students at a high cognitive level. Students may need to obtain a teacher recommendation to enroll in these classes, and they frequently require prerequisite courses. Honors level courses prepare students for admission to competitive colleges and are weighted by a factor of .5 (one-half point).

Advanced Placement

Advanced Placement (AP) courses offer college-level curriculum. They require prerequisite classes, grade point average minimums, and a teacher recommendation to enroll. AP courses are nationally recognized as academically challenging and are designed for the motivated student desiring to work at a high cognitive level. College credit may be earned at the end of the course by successfully completing the AP Exam. Advanced Placement courses prepare students for selective colleges with more rigid admissions standards and are weighted by a factor of 1.0 (one point).

All AP students are required to take the AP exam. Some additional fees for AP Courses will apply (Exam Fee, Textbook, Lab Materials).

Dual Enrollment

In an effort to continue to offer courses that will challenge and better prepare students for college, SFC A allows qualified students to dual enroll through our approved collegiate partners. There is a fee associated with this option, in addition to the cost of the textbook and any required materials. Students who pass the course will receive weighted credit toward their high school diploma and college credit from the respective college.

Standardized Testing

Freshman will take the ACT Aspire and Sophomores will take the Pre-ACT, during the spring. Both help prepare students for the ACT. The PSAT, a practice test for the SAT, will be administered to Freshman, Sophomores and Juniors in the fall. All students are strongly encouraged to take the SAT and ACT several times during their junior and senior year.

Freshman

Algebra 1* or Geometry*∞
English 9*
Biology*
Bible 9
Health Opportunities through Physical Education (HOPE)
Spanish 1 or Spanish 2
Practical/Performing Art Elective

*Honors option
∞See Math Flow Chart pg. 16

Junior

Pre-Calculus*, or Math for College Readiness∞
English 11* or AP English Language
Physics*
Bible 11
US History* or AP US History
Spanish 3*
Additional Electives, AP Courses, and/or
One dual enrollment course (per semester)

*Honors option
∞See Math Flow Chart pg. 16

Sophomore

Geometry* or Algebra 2*∞
English 10*
Chemistry*
Bible 10
World History*
Spanish 2 or Spanish 3
AP Human Geography
Additional Electives

*Honors option
∞See Math Flow Chart pg. 16

Senior

Pre-Calculus*, Math for College Readiness, AP
Calculus-AB∞
English 12* or AP English Literature
Economics*/American Government*
Bible 12
Additional Electives, AP Courses and/or
One-two dual enrollment courses (per semester)

*Honors option
∞See Math Flow Chart pg. 16

Bible

Attributes of God/Bible Study Skills

Ninth Grade

Two Semesters Course Credit: 1.0

The ninth grade Bible course provides an overview of the attributes of God. Emphasis will be placed on student understanding and comprehension of God's role in creation, the fall of man, history of Israel, major biblical characters, events of biblical history, and God's redemptive plan for mankind. Additionally, special emphasis will be placed on students gaining the ability to effectively study God's Word. The course will be taught from an apologetics viewpoint.

World Religion

Tenth Grade

Two Semesters Course Credit: 1.0

The tenth grade Bible course is designed to teach the reliability, authenticity, and authority of the Bible. Relevant topics to American culture will be discussed. Students learn the basic questions that define a worldview and evaluate the worldviews according to these important questions.

Understanding the Times

Eleventh Grade

Two Semesters Course Credit: 1.0

The eleventh grade Bible course examines the fundamental beliefs of the Christian faith. An explanation of theology, along with its importance for the Christian life, is explored through the doctrines of God, creation, humanity, sin, Christ, salvation and the church.

Study of Acts

Twelfth Grade

Two Semesters Course Credit: 1.0

The senior Bible course is a verse-by-verse survey of the Book of Acts examining the triumphs, trials, and travels of the early church as the Gospel is carried to "Jerusalem, Judea, Samaria, and the ends of the earth" (Acts 1:8). Special attention will be paid to the forensic/apologetic character of the work, the functional ecclesiology of the early church, and the passionate pursuit of the global missions imperative given by Christ to the church. Upon reaching the points in Acts where given NT Epistles were written, students will be taking "side trips" into the study of some of those Epistles. The goal of the course is that each student would (1) see himself or herself as an active participant in the 2,000 year unfolding of The Great Commission and (2) gain greater grounding in that perspective by a thorough examination of the church's early history and Apostolic teaching.

English

English 9

Ninth Grade

Two Semesters Course Credit: 1.0

The ninth grade course is designed to lay the foundation for all other language arts courses through a comprehensive study of vocabulary, grammar, composition, and literature. This course provides numerous strategies and opportunities for students to improve their writing and critical-thinking skills. Students read from different literary genres—primarily the short story, novel, and drama—covering a variety of time periods from classical to contemporary.

English 9 Honors

Ninth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in English 8; teacher recommendation

The ninth grade honors course is designed to lay the foundation for all other language arts courses through a comprehensive study of vocabulary, grammar, composition, and literature. This course provides numerous strategies and opportunities for students to showcase and further develop their writing and critical-thinking skills, as well as their analytical skills. Students read from different literary genres—primarily the short story, novel, and drama—covering a variety of time periods from classical to contemporary.

English 10

Tenth Grade

Two Semesters Course Credit: 1.0

This tenth grade course is a comprehensive study of vocabulary, grammar, composition, and literature. Students will write a research paper and complete reading projects throughout the year, covering various types of literature. Students read examples of tragedy, comedy, epic, and lyric, evaluating them through the lens of Aristotle's Poetics. Students write often and employ various types and modes of writing, including narrative, descriptive, persuasive and expository. Students also continue honing their grammar and vocabulary skills.

English 10 Honors

Tenth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in previous English course; teacher recommendation

This tenth grade honors course is a thematic study of literature, focusing on critical analysis through thoughtful writing and class discussion. Students read examples of tragedy, comedy, epic, and lyric, evaluating them through the lens of Aristotle's Poetics. In Honors English, the emphasis is on close reading, which entails that a student notice details, images, diction, aspects of point of view, tone and syntax. Furthermore, poetry and rhetorical analysis are taught and students have several opportunities to demonstrate their skill through class presentations. This course also includes comprehensive instruction in composition and vocabulary and reinforcement of grammar skills. The student enrolled in this course should have the desire to work, read, write, and think at an accelerated pace.

English 11

Eleventh Grade

Two Semesters Course Credit 1.0

The eleventh grade course surveys American prose, poetry, and drama from the American settlement to modern times. The literature selections enable the students to examine several aspects of the American experience, including freedom and independence, judgment, dream vs. reality, and racial/cultural issues. Students learn to analyze works through the use of literary devices such as tone, diction, mood, and style. Students write often and focus on literary analysis, expository, and argumentation. The eleventh grade course prepares students for college level work by sharpening skills in vocabulary, grammar, critical thinking, and written analysis.

English 11 Honors

Eleventh Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in previous English course; teacher recommendation

The eleventh grade honors course is designed to challenge students to apply a wide range of strategies as they grow in their understanding of American prose, poetry, and drama from the American settlement to modern times. The student enrolled in the course should have a desire to work at an accelerated pace, and it is expected, but not demanded, that the student will enroll in AP English Literature and Composition his or her senior year. The literature selections enable the students to examine several aspects of the American experience, including freedom and independence, judgment, dream vs. reality, and racial/cultural issues. Students learn to analyze works through the use of literary devices such as tone, diction, mood, and style. Students focus on the elements of style in writing and the use of persuasion and rhetoric. Independent projects will be assigned and will require outside preparation. The eleventh grade honors course prepares students for college level work by sharpening skills in vocabulary, grammar, critical thinking, and written analysis.

English 12

Twelfth Grade

Two Semesters Course Credit: 1.0

The twelfth grade course is a chronological study of British Literature. The students will read and study works by British authors representing various types of literature. Students write in response to selections, review grammar, and solidify vocabulary. Students should have foundational skills necessary to do research and create arguments in regards to literary analyses. Through the selected works, students look at the various stages of a believer's experience: creation, sin, redemption, and resurrection. The major focus of this course is to prepare students for college coursework through frequent essay writing, revising, and re-writing, as well as helping students understand literature from and in-depth examination of the Christian Worldview.

English 12 Honors

Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in previous English course; teacher recommendation

The twelfth grade course is a chronological study of British Literature. The students will read and study works by British authors representing various types of literature. Students write in response to selections, review grammar, and solidify vocabulary. Students should have foundational skills necessary to do research and create arguments

English continued

in regards to literary analyses. Through the selected works, students look at the various stages of a believer's experience: creation, sin, redemption, and resurrection. The major focus of this course is to prepare students for college coursework through frequent essay writing, revising, and re-writing, as well as helping students understand literature from and in-depth examination of the Christian Worldview.

AP English Language and Composition

Eleventh - Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in Honors English, teacher recommendation

*Student is responsible for purchasing textbooks prior to the first day of class.

*AP Fee - \$100

The AP English Language and Composition course provides students with an understanding of the semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. The course also provides a variety of writing opportunities calling for the use of different styles and tones. In addition to practicing essay test-taking techniques, organization and time management, students study the interactions among subject, authorial purpose, audience needs, generic conventions, and the resources of the English language. The expectations of this course may exceed the expectations a student has experienced from any other course in his/her high school career. The class is taught as an introductory college English course, requiring excellent research and writing skills. The student should exhibit the ability to think critically and logically, to write with ease and clarity, to work at an accelerated, challenging pace, and to research independently outside of class.

AP English Literature and Composition

Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in Honors English, teacher recommendation

*Student is responsible for purchasing textbooks prior to the first day of class.

*AP Fee - \$100

The AP English Literature and Composition course challenges students to read and analyze literature from a variety of genres and periods. Students are challenged to become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. The focus in surveying prose, poetry and drama is to help students deepen their understanding of the tools and methods writers use to communicate meaning and to equip students to evaluate the effects of these tools and methods through writing. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing.

Social Studies

World History

Tenth Grade

Two Semesters Course Credit: 1.0

This course examines western man's development and future direction from creation to the present through a Christian perspective. Emphasis is placed on the key moments in history that have helped shape our present culture and the history of ideas that brought these moments to pass. Students will compare the social, political, and economic structures, as well as the impact religion has had around the world. The student will be able to discern good and evil, as well as truth and error, by studying past successes and failures. The course will illustrate the consequences of sin and the necessity of a righteous life by studying the past. Methods used include reading and analyzing past events, class discussions and hands-on projects.

World History Honors

Tenth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in previous History course; teacher recommendation

This course examines through a Christian perspective western man's development and future direction from creation to the present. Emphasis is placed on the key moments in history that have helped shape our present culture and the history of ideas that brought these moments to pass. Students will compare the social, political, and economic structures, as well as the impact religion has had around the world. The student will be able to discern good and evil, as well as truth and error, by studying past successes and failures. More emphasis is given to studying these ideas, and more source documents are analyzed and discussed than in the regular World History course. Methods used include reading and analyzing past events, class discussions and hands-on projects.

US History

Eleventh Grade

Two Semesters Course Credit: 1.0

This course is a comprehensive study of American history from a Christian perspective. Students study the major events, people, and culture in the development of our nation, beginning with the Age of Exploration to present day. This course is designed to encourage thinking about our Christian heritage and foster a respect for our American leaders and influential persons.

US History Honors

Eleventh Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher previous history course; teacher recommendation

This course is a comprehensive study of American history from a Christian perspective. Students study the major events, people, and culture in the development of our nation, beginning with the Age of Exploration to present day. This course is designed to encourage higher level critical thinking about our Christian heritage and foster a respect for our American leaders and influential persons. The Honors course requires analysis of historical documents and places a greater emphasis on interpretation of historical themes and issues.

AP US History

Eleventh or Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher prior History class, teacher recommendation

*Student is responsible for purchasing textbooks prior to the first day of class.

*AP Fee - \$100

AP U.S. History is a challenging course designed to represent college level academics at the high school level. This course is designed to equip students with the analytic skills and factual knowledge necessary to having a deep understanding of U.S. history, paying particular attention to chronological organization, political dynamics, social and cultural trends, and intellectual developments. Students learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance – and to weigh the evidence and interpretations presented in historical scholarship. Conclusions will be drawn on the basis of an informed judgment and reasons and evidence will clearly be persuasively presented in essay format. Included and emphasized in this study are the biblical roots of representative government as it was conceived by the founding fathers. The AP Exam offers the opportunity to earn college credit but the true benefit is the rigor of the course which prepares students for higher level learning.

Economics

Twelfth Grade

One Semester Course Credit: 0.5

This course deals with the way in which individuals, households, firms, industries, and governments decide to employ their given talents and material resources to best satisfy their many needs and wants. In Economics, the focus is on the basic principles concerning production, as well as consumption and distribution of goods and services in the United States. Students will become familiar with the economic system of the United States and how it operates. Students will analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. The impact of a variety of factors including the federal government, monetary policy, societal values, scientific discoveries and technological innovations on the national economy and economic policy is an integral part of the course.

Economics Honors

Twelfth Grade

One Semester Course Credit: 0.5

Prerequisite: Grade of 80 percent or higher in previous History course; teacher recommendation

This course focuses on the basic principles concerning production, consumption and distribution of goods and services in the United States. Students analyze the interaction of supply, demand, and price and study the role of financial institutions in a free enterprise system. Types of business ownership and market structures are discussed, as are basic concepts of consumer economics. The impact of a variety of factors including the federal government, economic ideas from important philosophers, historic documents, societal values, scientific discoveries, and technological innovations on the national economy and economic policy is an integral part of the course.

American Government

Twelfth Grade

One Semester Course Credit: 0.5

United States Government is designed to introduce the fundamentals of American government and politics as well as give students an in-depth understanding of the political traditions, structure and function of U.S. Government. Examination and evaluation of our institutions of government, those who influence these institutions, the public policies made by these institutions, and the influences of the electorate on policies. In addition, students are able to connect concepts in government with economic policies and procedures.

American Government Honors

Twelfth Grade

One Semester Course Credit: 0.5

Prerequisite: Grade of 80 percent or higher in previous History course; teacher recommendation

This honors course is designed to give the students an in-depth understanding of the structure and function of U.S. Government, as well as the basics of micro and macro economics. Throughout the course, students examine and evaluate the institutions of government, those who influence these institutions, the public policies made by these institutions and the influences of the electorate on policies. In addition, students are able to connect concepts in government with economic policies and procedures. Students in Honors Government understand the need for active participation and the purpose of government in everyday life. Students realize that political phenomena rarely resemble the trite reductions projected by the media, but rather are complex matrixes of power comprised of diverse pressures and competing interests.

AP Human Geography

Tenth - Twelfth Grade

Two Semesters Course Credit: 1

Prerequisite: Students should be able to read college-level texts and apply the conventions of Standard Written English in their writing.

*Student is responsible for purchasing textbooks prior to the first day of class.

*AP Fee - \$100

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

World Cultural Geography

Tenth - Twelfth Grade

Two Semesters Course Credit: 1

Prerequisite: None

Students will explore issues relating to human and cultural geography such as labor migration, energy resources and indigenous rights, and the socioeconomic status of various cultures. Intentional focus will be on opportunities and challenges facing people around the world. Case studies are utilized to examine various geographical topics.

Social Studies continued

World Cultural Geography is enriched with interactive maps, infographics, animations, videos, and photographs to give students an in-depth look at world geography.

AP Psychology

Social Science Elective

Eleventh - Twelfth Grade

Two Semesters Course Credit 1.0

*Student is responsible for purchasing textbooks prior to the first day of class.

*AP Fee - \$100

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

Mathematics

Algebra 1

Ninth Grade

Two Semesters Course Credit: 1.0

Prerequisite for rising 8th grade students: 85% or higher in Pre-Algebra

Prerequisite for rising 9th grade students: Pre-Algebra

This course is designed to provide the foundation for more advanced courses in mathematics and to develop skills needed to solve mathematical problems. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Emphasis is placed on solving processes involving equations, relations, functions, slopes, inequalities, polynomials, factoring, roots, rational expressions and quadratics. Students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem solving situations.

Algebra 1 Honors

Ninth Grade

Two Semesters Course Credit: 1.0

Prerequisite for rising 8th grade students: 85% or higher in Pre-Algebra; teacher recommendation

Prerequisite for rising 9th grade students: Grade of 80% or higher in Pre-Algebra; teacher recommendation

This course is designed to provide the foundation for more advanced courses in mathematics and to develop skills needed to solve mathematical problems. The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Students extend understanding of linear and exponential relationships and engage in methods for analyzing, solving, and using linear and quadratic functions. Students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem solving situations. Extra emphasis will be given to the development and use of independent thinking skills and critical analysis.

Geometry

Ninth and Tenth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Algebra 1

This course is designed to develop reasoning and logic useful in mathematical problem-solving and all of life. The course deals primarily with Euclidean plane geometry. Basic terminology, recognition, representation, measurement, analysis, and reasoning skills will be developed. It introduces and provides practice in deductive reasoning used in geometrical proofs and useful in everyday problem-solving. Algebra and math procedures learned in previous courses will be reviewed and applied regularly during the course. A formal logic of definitions, postulates, and theorems is used in developing proof skills. These skills are applied analyzing all basic two, and three, dimensional shapes.

Geometry Honors

Ninth and Tenth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80% or higher in Algebra 1; teacher recommendation

This course is designed to develop reasoning and logic useful in mathematical problem-solving and all of life. The course deals primarily with Euclidean plane geometry. Basic terminology, recognition, representation,

Math continued

measurement, analysis, and reasoning skills will be developed. Honors students have an enriched experience developing deductive and inductive reasoning skills and applying them in proof and analysis situations. Algebra and math procedures learned in previous courses will be reviewed, applied, and expanded upon regularly during the course. A formal logic of definitions, postulates, and theorems is used in developing proof skills. These skills are applied analyzing all basic two, and three, dimensional shapes. Projects are completed by students demonstrating their skills in applying the concepts learned in the course.

Algebra 2

Tenth and Eleventh Grade

Two Semesters Course Credit: 1.0

Prerequisites: Algebra 1, Geometry

This course is designed to continue the study of the structure of algebra and provide the foundation for application of these skills in other scientific and mathematical fields of study. A high emphasis is placed on functions, graphical analysis and problem solving. The main topics that are discussed are equations, inequalities, absolute value equations and inequalities, polynomials, factoring, quadratics, higher order roots, complex numbers, systems, determinants, matrices, rational expressions and conic sections.

Algebra 2 Honors

Tenth and Eleventh Grade

Two Semesters Course Credit: 1.0

Prerequisite: Algebra 1 and Geometry; Grade of 80% or higher in Geometry; teacher recommendation

This course provides a foundation for the study of calculus. Topics include: analysis of algebraic and exponential functions, probability and statistics, systems of equations, matrices, complex numbers, conic sections, and infinite series. This course moves at a faster pace and covers problems with a higher level of difficulty.

Pre-Calculus Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Algebra 1, Geometry, Algebra 2; Grade of 80% or higher in Algebra 2; teacher recommendation

This course is designed for the college-bound student or as a prerequisite for AP Calculus AB. The course includes a number of units focused on developing advanced algebra skills emphasizing functions and graphing including exponential and logarithmic functions. There is an extensive unit covering trigonometry and its applications. Vectors, polar equations, and analytic geometry units are also included in the course.

Math for College Readiness

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Algebra 2

This course walks students through a survey of the math skills deemed necessary for entry-level college math courses. Math for College Readiness is an advanced course incorporating real-world applications, collaboration, and calculations. Students learn the formulas used to determine expressions and equations, number systems,

functions, advanced algebra and geometry concepts, and statistics and probability. This knowledge will propel students into the future with a solid math foundation.

College Algebra Honors

Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Algebra 2

This high school course follows the typical curriculum of a college-level algebra course, including linear systems, linear, quadratic, rational, radical, exponential and logarithmic functions. Graphing and applications will be emphasized. At the completion of this course, students will have the opportunity to take the College Algebra CLEP test. It is highly recommended that students research the CLEP (College Level Examination Program) policies of the various universities in which they are interested in attending to determine the number of possible credits and/or exemptions that may be granted for passing the CLEP. A graphing calculator is required for this course.

AP Calculus AB

Twelfth Grade

Two Semesters Course Credit: 1.0

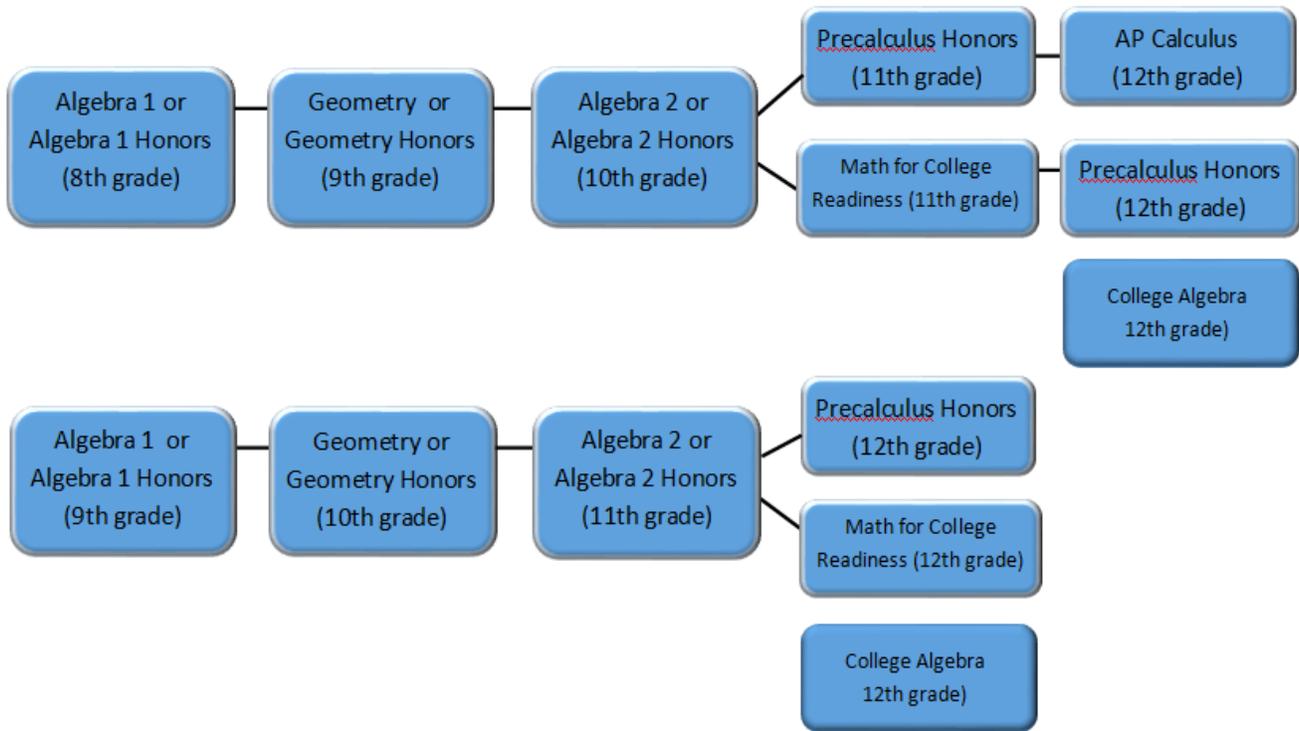
Prerequisite: Grade of 80% or higher in Honors Pre-Calculus; Teacher recommendation

*Student is responsible for purchasing textbooks prior to the first day of class.

*AP Fee - \$100

This course is designed to begin the study of Calculus and follows the outline for AP credit through the College Board for Calculus AB. Emphasis is placed on limits, integration and differentiation skills. Topics include elementary functions, limits and continuity, derivatives and differentiation, applications of the derivative, antiderivatives, definite integrals and applications of the integral. All students are required to take the Advanced Placement Calculus Exam in May for possible college credit.

Math Flow Chart



Science

Biology

Ninth Grade

Two Semesters Course Credit: 1.0

In this course, students conduct laboratory investigations and make informed decisions using scientific problem solving. This course is a survey of the life sciences including cytology, genetics, botany, and zoology. The life systems and processes in each of these categories will be studied with regard to a biblical worldview and Christian values. Particular emphasis is placed on comparison between the theory of evolution and creationism. Hands-on labs include dissections to enhance the study of the various body systems and learning a variety of laboratory techniques.

Biology Honors

Ninth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Grade of 80 percent or higher in the eighth grade science class; teacher recommendation

In this course, students conduct laboratory investigations, using scientific methods during investigations. Students will also make informed decisions using scientific problem solving and critical thinking skills, with an emphasis on the applications of concepts. This honors course is an in-depth study of the life sciences including cytology, genetics, botany, and zoology. The life systems and processes in each of these categories will be studied with regard to a biblical worldview and Christian values. Particular emphasis is placed on comparison between the theory of evolution and creationism. Hands-on labs include dissections to enhance the study of the various body systems, learning a variety of laboratory techniques and formal lab reports are introduced.

Chemistry

Tenth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Biology, Algebra I

This course provides students with an understanding of chemical principles and skills that are needed for college as well as opportunities to study matter and the changes in which it undergoes through laboratory investigation, problem solving activities, textbook study, lecture and class discussions. The laboratory work will develop students reasoning power and the ability to apply chemical principles as well as acquaint students with chemical laboratory techniques. The course emphasizes the atomic and molecular structure, chemical bonding, stoichiometry, properties of gases, solutions, reaction rates and equilibrium, acid-base reactions, and chemical thermodynamics. This class will explore several branches of chemistry with the goal of discovering the thoughts of the Creator through the ingenious structure and orderly function of His Creation.

Chemistry Honors

Tenth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Biology, Algebra I; Grade of 80 percent or higher in the previous science class; teacher recommendation

This is a more rigorous chemistry course, requiring a greater commitment from the student. The class includes the content listed above with greater emphasis on advanced topics. Strong math skills are recommended.

Physics

Eleventh – Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Biology, Chemistry

This course will provide students with an introduction to matter, energy and the forces of nature. Topics of study include Newton's laws, fluid mechanics, energy, thermal physics, magnetism, waves and optics and subatomic physics. Students are challenged to think creatively and critically with an emphasis on the practical and experimental aspects of science, as well as examination of how creation reflects the intelligent and ordered nature of its Creator. Laboratory activities are an essential component of this course.

Physics Honors

Eleventh – Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Biology, Chemistry; Concurrently in Honors Pre-Calculus or higher; Grade of 80 percent or higher in Chemistry; teacher recommendation

This course will provide students with an introduction to matter, energy and the forces of nature. Topics of study include Newton's laws, fluid mechanics, energy, thermal physics, magnetism, waves and optics, and subatomic physics. Students are challenged at a higher cognitive level than that of the regular Physics course and will be asked to think analytically and critically with an emphasis on the practical and experimental aspects of science, as well as examination of how creation reflects the intelligent and ordered nature of its Creator. Honors students are required to connect content with real world application. Laboratory activities are an essential component of this course and are more in number than that of the regular Physics course.

Anatomy & Physiology Honors

Science Elective

Two Semesters Course Credit: 1.0

Prerequisite: Biology, Chemistry, Physics

This is a rigorous course for the college bound student. It provides an in depth study of the structure and functions of God's most loved creation, the human body. Students will explore the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, cells and tissues, and the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary and reproductive systems. This course introduces common human disease processes. Labs, including dissections, will support class lectures.

AP Biology

Twelfth Grade Elective

Two Semesters Course Credit: 1.0

Prerequisites: Biology, Chemistry, Physics; Grade of 80 percent or higher in previous science honors class; teacher recommendation

*Student is responsible for purchasing textbooks prior to the first day of class.

*AP Fee - \$100

This is an upper-level, advanced placement course intended for those students seeking further science preparation for college. It is the equivalent of a college freshman course in general biology. The course features a biochemical approach to the study of life functions and includes an intense laboratory program which stresses graphing and

analysis of data. All students are required to take the Advanced Placement Biology exam in May for possible college credit.

Marine Science

Tenth - Twelfth Grade Elective

Two Semesters Course Credit: 1.0

Prerequisites: Biology

This course concentrates on the basics of marine science with a global approach. It provides a survey of the ocean and its processes as well as an understanding of human impacts on the ocean. The student will learn about the research methods developed for ocean study as well as develop their own research and analysis of marine organisms. Students will participate in field trips to local eco-systems and maintain a classroom marine environment.

World Language

Spanish 1

Ninth – Tenth Grade

Two Semesters Course Credit: 1.0

This Spanish course develops the four language skills of reading, writing, speaking, and listening. Students learn the present tense of both regular and irregular verbs, while being introduced to the preterit tense of regular verbs. Vocabulary is also emphasized to give the student a basis for communicating. In addition to the actual study of the language, a secondary goal is to further enrich the student's knowledge of the culture, history and geography of the Spanish-speaking world.

Spanish 2

Tenth – Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Spanish 1

This Spanish course continues the development of the four language skills of reading, writing, speaking and listening. Students learn all past and imperfect tenses, indicative and subjunctive modes, along with increasing their vocabulary. In addition to the actual study of the language, a secondary goal is to further enrich the student's knowledge of the culture, history and geography of the Spanish-speaking world.

Spanish 3 Honors

Eleventh -Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Spanish 1 & 2; Grade of 80 percent or higher in Spanish 2; teacher recommendation

In this Honors Spanish course the emphasis shifts towards reading, speaking and writing while providing a summary and review of Spanish grammar and usage. In reading, the goals are to enlarge vocabulary and increase appreciation of the written language. In speaking, the goals are to prepare and to be able to make fluent presentations in the class. In addition to the actual study of the language, a secondary goal is to further enrich the student's knowledge of the culture, history and geography of the Spanish-speaking world.

High School Electives

Physical Education

Two semesters (1.0 credit) of PE are required for graduation

HOPE (Required)

Ninth Grade

Two Semesters Course Credit 1.0

This HOPE course is a combination of physical education and healthy lifestyle topics. Approximately 70% of class time involves physical education activities focusing on concepts promoting team strategies, fair play, communication, and individual exploration. Additionally, the course openly discusses many of the health lifestyle topics facing today's students – nutrition, alcohol, tobacco, illegal drugs, self-esteem, depression, and reproductive health. The objective is to equip students with the knowledge to make wise, healthy choices and pursue God's will for their lives.

Comprehensive Fitness

Tenth - Twelfth Grade

Two Semesters Course Credit: 1

This course provides a variety of activities that promote cardio respiratory fitness, muscular strength, endurance, and flexibility. Instruction will cover such topics as the safe selection and use of equipment; appropriate personal, social and ethical behavior while participating in a variety of physical activities; and the health benefits of participating in regular physical activity including stress management. The principles of training and conditioning will be applied to accommodate individual needs and strengths. The weight room, gym and outdoor facilities will be utilized in accordance with each activity.

Performing Arts

Two semesters (1 credit) of Performing or Practical Arts electives are required for graduation.

2D/3D Comprehensive Art

Ninth – Twelfth Grade (Honors option available for tenth-twelfth grade)

Two Semesters Course Credit: 1

This is an introductory level, two-dimensional design course with an introduction into three-dimensional design for the upper school student. The curriculum focus is on creativity with perspective and shallow space design. Emphasis is placed on developing compositions using the elements and principles of design and critiquing major projects. The first quarter is a study in black, white and gray scale. Color theory is studied as well. Drawing, printmaking and painting using a variety of media is explored. Students learn how to research artists and study art history through a short research paper. Art history periods studied are Impressionism and Post-Impressionism. Participation in art contests is encouraged and available. Biblical integration is included throughout the curriculum.

Symphonic Band

Ninth-Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: At least two years of prior instrumental training and permission from the Director.

This course involves the study of literature, rehearsal and performance techniques of the band ensemble. It is a performance ensemble that is primarily involved with the continued development and reinforcement of previously acquired musical skills. The group performs at least three school concerts per year and is involved in either the ACSI or FBA music festivals. Other outside performances and trips are planned during the year as well. In addition to group performances, students in the Symphonic Band are given the opportunity to audition for the Florida All-State Band and other solo and ensemble festival events throughout the year.

Honors Symphonic Band

Ninth-Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: At least two years of prior instrumental training and permission from the Director.

This course involves the study of literature, rehearsal and performance techniques of the band ensemble. Honors Band is open to woodwind, brass, and percussion instrumentalists enrolled in the Symphonic Band class. Advanced playing and written assignments, beyond the standard Symphonic Band experience, are required. Assignment difficulty will increase as the student matriculates through the honors curriculum. Students enrolled in Honors Symphonic Band will meet specific requirements in each of the following categories: Individual Instruction, Solo Performances, Ensemble Participation, Leadership and Service, and Written Projects.

Praise Band

Tenth-Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: By audition only

This is a student-based worship ensemble that leads portions of the weekly chapel services. This course gives students a chance to both practice and perform their musical talents while leading their fellow students in praise and worship. Students also learn about sound reinforcement, as well as stage lighting and chapel service production.

Choir

Ninth – Twelfth Grade

Two Semesters Course Credit: 1.0

This course is designed to emphasize vocal performance in a choral setting. Students sing a varied repertoire as they develop their vocal skills. Students also learn advanced music theory concepts through rhythm exercises, sight-reading theory lessons, and written assignments and tests. All choir students are involved in at least four major performances throughout the year, including participation in choral music festivals at the regional and state levels. In addition to group performances, students are given the opportunity to audition for the All State Choirs, as well as solo and ensemble festival events during the year.

Honors Choir

Ninth – Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: By audition only

This course is designed to emphasize vocal performance in a choral setting. Students sing a varied repertoire as they develop their vocal skills. Students also learn advanced music theory concepts through rhythm exercises, sight-reading theory lessons, and written assignments and tests. All choir students are involved in at least four major performances throughout the year, including participation in choral music festivals at the regional and state levels. In addition to group performances, students are given the opportunity to audition for the All State Choirs, as well as solo and ensemble festival events during the year.

Drama

Ninth – Twelfth Grade

Two Semesters Course Credit: 1.0

Students explore various performance, technical, and administrative aspects of theatre. Students learn about basic characterization through physical activity, reading selected theatre literature, reading and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Students will be expected to attend and be involved in all performances, some of which will be outside the school day.

Practical Arts

Two semesters (1 credit) of Performing or Practical Arts electives are required for graduation.

Communications and Technology

Journalism & Yearbook

Ninth - Twelfth Grade

Two Semesters Course Credit 1.0

Yearbook class introduces and challenges the student to understand proper photography, design and writing techniques. Students will work with other student yearbook staff members to produce (online) the SFCA all-school yearbook.

Digital Media

Ninth - Twelfth Grade

Two Semesters Course Credit: 1.0

Students will learn and apply basic design principles to produce interactive components and digital publications. These principles will be utilized in the creation and evaluation of media to include flyers, newsletters or similar. Students will use Adobe Design Premium products, including Photoshop, InDesign, and Illustrator, to design and create products.

Other Electives

School Service

By Invitation Only

One or Two Semesters Course Credit 0.5 (per semester)

Student aides are assigned to a supervising teacher or staff person to assist them with daily activities. Tasks are at the discretion of each individual supervisor but may include filing, paperwork, using the copier or fax machine, running errands, working with younger students, and other activities as assigned.

Study Hall

Eleventh - Twelfth Grade

One or Two Semesters No Credit

Availability limited to dual enrollment students or those with an academic need.

Students are required to be in attendance in their assigned room during study hall. This time should be used to study, prepare for upcoming classes and to complete homework. No credit is given.

Sign in/Out

Eleventh-Twelfth Grade

One or Two Semesters

Prerequisite: Must meet criteria and sign a contract

Parents of juniors and seniors may request 2nd period sign in or dismissal after 6th period for their student if they meet the following criteria and procedures.

- Be enrolled in 6 credit bearing courses.
- All graduation requirements must be met or in the process of being met.
- A minimum GPA of a 2.50 is required.
- A minimum of 50 community service hours (Juniors) or 75 (Seniors) community service hours must be completed before the student may begin this opportunity.
- Be in good behavioral standing.