

SFCA

Southwest Florida Christian Academy

2024-2025 Course Description Catalog

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Graduation Requirements	pg. 3
Academic Plan	pg. 4
Grade Level Course Recommendations	pg. 5
Course Description Catalog	pg. 6
Bible	pg. 6
English	pg. 7
Social Sciences	pg. 10
Math	pg. 13
Science	pg. 17
World Language	pg. 21
Electives	pg. 22

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 SFCA 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 SFCA, 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 and two other classes with labs</i>	3 credits
Social Science <i>World History, US History, American Government & Economics</i>	3 credits
Personal Fitness/Health Management	1 credit
World Language	2 credits
Bible <i>*1 credit for each year of attendance at SFCA</i>	4 credits*
Financial Literacy	1 credit
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 Counselor and in partnership with parents, will build a schedule of classes that will prepare them for college. Each student will meet with the Counselor 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 Sciences) 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 and CLEP

Advanced Placement (AP) and CLEP courses offer college-level curriculum. They require prerequisite classes, grade point average minimums, and a teacher recommendation to enroll. AP and CLEP 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 and CLEP exam. Advanced Placement and CLEP courses prepare students for selective colleges with more rigid admissions standards and are weighted by a factor of 1.0 (one point).

All AP and CLEP students are required to take the AP and CLEP exam. Some additional fees for AP and CLEP 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 Sophomores, Juniors, and Seniors to dual enroll through our approved collegiate partner, Florida College. There are specific eligibility requirements to dual enroll which include GPA and Standardized Test scores. There is a fee associated with private universities 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

Sophomores will take a practice test for the ACT, during the spring. The PSAT, a practice test for the SAT, will be administered to Freshmen, Sophomores and Juniors in the fall. All students are strongly encouraged to take the SAT, ACT and CLT several times during their Junior and Senior year.

Freshman

Algebra 1* or Geometry*∞
 English 9*
 Biology*Δ
 Mastering the Bible
 Health/Life Management Skills
 Personal Fitness
 World Language (Spanish or French)
 World History*
 Practical/Performing Art Elective

**Honors option*

∞See Math Flow Chart pg. 17

Δ See Science Flow Chart pg. 21

Junior

CLEP Pre-Calculus*, Algebra 2*, Math for College Liberal Arts∞
 English 11*
 Chemistry*, Forensic Science, Anatomy and Physiology*, Marine Science, Aquaculture, Physics*Δ
 World Religions
 US History*
 World Language (Spanish or French)
 Additional Electives, Personal Finance, AP Courses, and/or Dual enrollment course (per semester)

**Honors option*

∞See Math Flow Chart pg. 17

Δ See Science Flow Chart pg. 21

Sophomore

Geometry* or Algebra 2*∞
 English 10*
 Forensic Science, Chemistry*Δ
 Biblical Worldview
 World History*
 World Language (Spanish or French)
 Additional Electives, AP Courses, Dual enrollment course (per semester)

**Honors option*

∞See Math Flow Chart pg. 17

Δ See Science Flow Chart pg. 21

Senior

CLEP Pre-Calculus*, Math for College Liberal Arts, AP Computer Science Principles, AP Calculus-AB∞
 English 12* or AP English Literature
 Aquaculture, Forensic Science, Physics*, Anatomy and Physiology*, AP Biology
 Acts
 Economics*(CLEP)/American Government*(CLEP)
 World Language
 Additional Electives, Personal Finance, AP Courses and/or Dual enrollment course (per semester)

**Honors option*

∞See Math Flow Chart pg. 17

Δ See Science Flow Chart pg. 21

Bible

Mastering the Bible/Attributes of God

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.

Biblical Worldview

Tenth Grade

Two Semesters Course Credit: 1.0

The tenth 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.

World Religions

Eleventh Grade

Two Semesters Course Credit: 1.0

The eleventh 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.

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 mission's 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 (Introduction to Literature)

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 (World Literature)

Tenth Grade

Two Semesters Course Credit: 1.0

This tenth grade course is a comprehensive study of vocabulary, grammar, composition, and world 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 lyrics, 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 world literature, focusing on critical analysis through thoughtful writing and class discussion. Students read examples of tragedy, comedy, epic, and lyrics, 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 (American Literature)

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 using 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 using 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 (British Literature)

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 several 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 regarding 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 regarding 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 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 Sciences

World History

Ninth and 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

Ninth and 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 the 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.

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 CLEP

Twelfth Grade

One Semester Course Credit: 0.5

Prerequisite: Grade of 80 percent or higher in previous Honors 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. At the completion of this course, students will take the Economics 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.

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 can connect concepts in government with economic policies and procedures.

American Government CLEP

Twelfth Grade

One Semester Course Credit: 0.5

Prerequisite: Grade of 80 percent or higher in previous Honors 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 can 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. At the completion of this course, students will take the American Government 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.

Mathematics

Algebra 1

Ninth Grade

Two Semesters Course Credit: 1.0

Prerequisite for rising 8th grade students: 80 percent 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: 80 percent or higher in Pre-Algebra; teacher recommendation

Prerequisite for rising 9th grade students: Grade of 80 percent 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 their 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.

Foundational Skills in Mathematics

Ninth-Twelfth Grade

Two Semesters Course Credit: 1.0

This course supports students with additional instruction in foundational mathematic skills as it relates to core instruction. The use of explicit, systematic, and sequential approaches to mathematics to include number sense and operations, algebraic reasoning, functions, geometric reasoning, and data analysis and probability. Students will be provided with multiple opportunities to practice their math skills and receive feedback. The allotted time for this course is in addition to grade level math instruction.

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 is 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

Math continued

definitions, postulates, and theorems are 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 percent or higher in Honors 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, 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 the 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 percent or higher in Honors Geometry; teacher recommendation

This course provides a foundation for the study of calculus. Topics include the 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.

AP Computer Science Principles

Tenth-Twelfth Grade

Two Semesters Course Credit 1.0

Prerequisite: Algebra 1, Geometry, Algebra 2

The AP Computer Science Principles course is designed to be equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course is unique in its focus on fostering student creativity. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. They will also develop effective communication and collaboration skills, working individually and collaboratively to

solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

Pre-Calculus CLEP

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

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

This course is designed for the college-bound student or as a prerequisite for AP Calculus AB. The course includes several 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. At the completion of this course, students will take the Pre-Calculus 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.

Math for College Liberal Arts

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Algebra 1, Geometry, Algebra 2

This course walks students through a survey of the math skills deemed necessary for entry-level college math courses. Math for College Liberal Arts 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.

AP Calculus AB

Twelfth Grade

Two Semesters Course Credit: 1.0

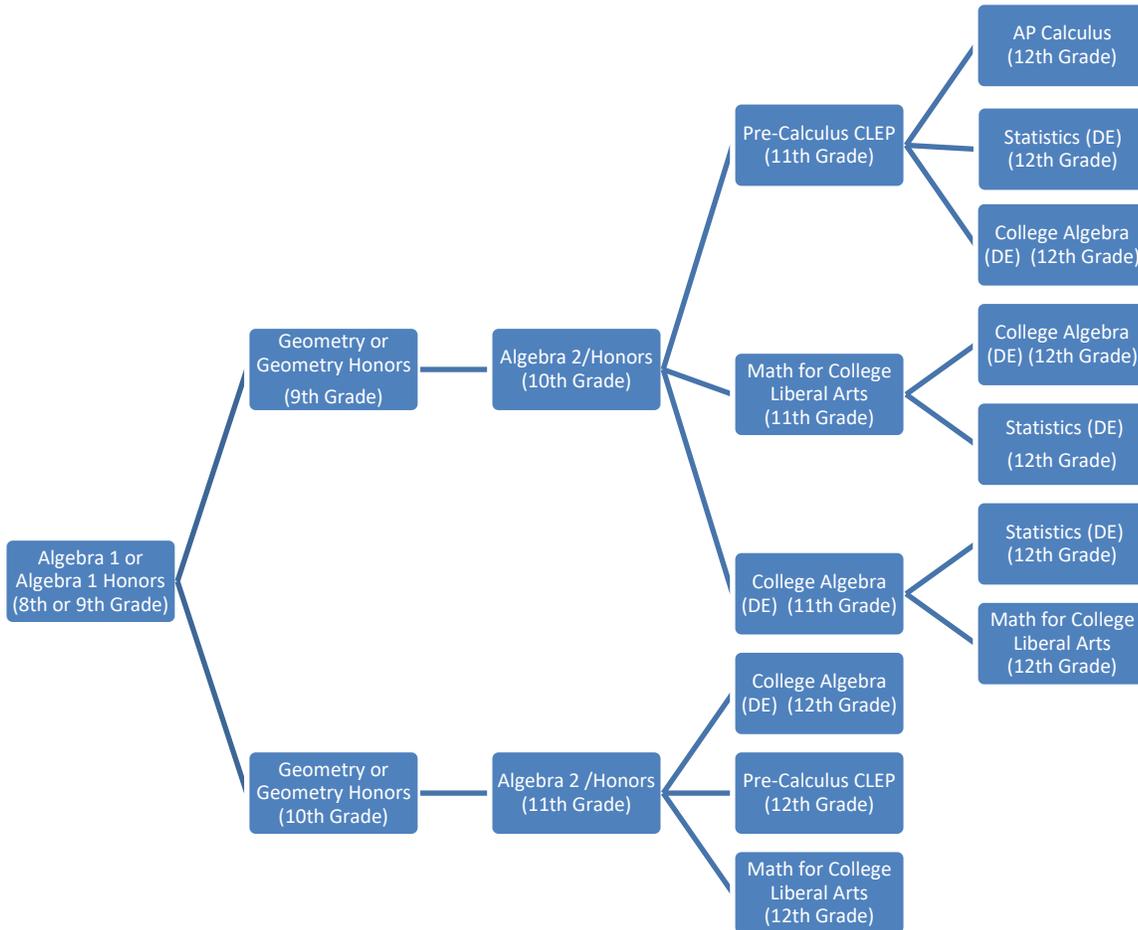
Prerequisite: Algebra 1, Geometry, Algebra 2; Grade of 80 percent or higher in Honors Pre-Calculus; teacher recommendation

*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 AB Calculus. 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 regarding a biblical worldview and Christian values. Emphasis is placed on the 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 8th 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 regarding a biblical worldview and Christian values. Emphasis is placed on the 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.

Forensic Science 1

Tenth-Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Biology

This research-based science course introduces students to chemistry and physics, equipping them to be student scientists. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The design of the curriculum helps students focus on key details and information. Going beyond science facts, students will learn to think critically about real-world science problems. Case studies, worldview sleuthing activities, ethics boxes, and mini labs all give students opportunities for hands-on experiences with real-world problems. It also focuses on basic scientific principles and laboratory processes used in the field, such as DNA testing, presumptive tests, and material analysis. Investigative experiences for students include electrophoresis and evidence analysis techniques such as fingerprinting, blood typing, and fiber analysis. Students also study crime scene investigation (CSI) and evidence collection using mock crime scenes. Additionally, they will be given strategies for making ethical decisions based on a biblical worldview.

Chemistry

Tenth and Eleventh 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 CLEP

Tenth and Eleventh Grade

Two Semesters Course Credit: 1.0

Prerequisite: Honors 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. At the completion of this course, students will take the Chemistry 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.

Physics

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Biology or Physical Science

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 and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Biology and/or Chemistry; Grade of 80 percent or higher in Biology and/or 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 applications. Laboratory activities are an essential component of this course and are more numerous than that of the regular Physics course.

Anatomy & Physiology Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Biology, Chemistry; Grade of 80 percent or higher in Chemistry; teacher recommendation

This is a rigorous course for college bound students. 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

Two Semesters Course Credit: 1.0

Prerequisites: Biology, Chemistry; 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

Eleventh and Twelfth Grade

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 how the oceans and their inhabitants point to a sovereign creator. Throughout the year each student will maintain one of many aquaria placed at various locations across campus. Students will also have the opportunity to participate in field trips to marine ecosystems.

Aquaculture

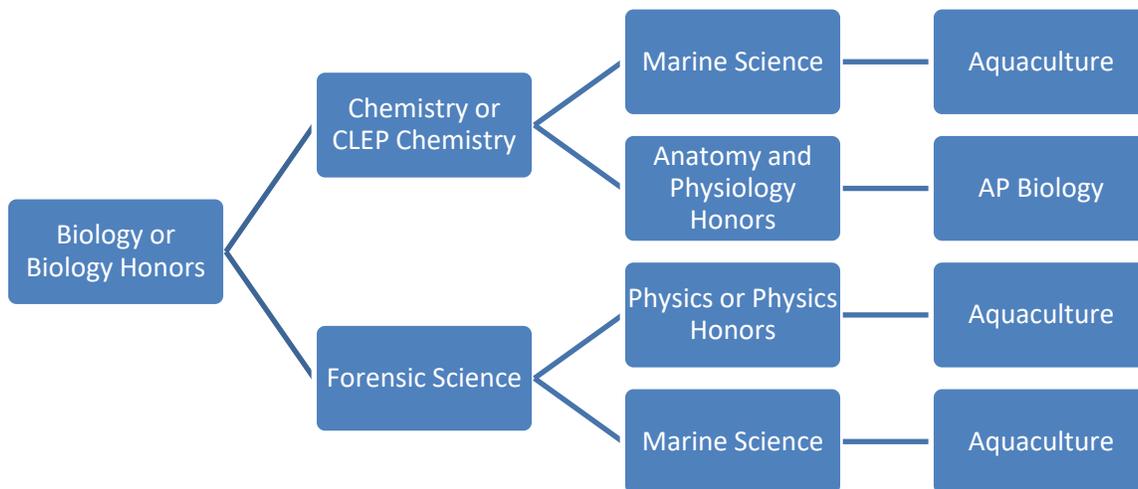
Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Biology

Aquaculture is one of the fastest growing industries of the 21st century. This class is designed to be a survey of the nature, origin, techniques, career opportunities, and environmental & market impacts of aquaculture in our world today, with a special emphasis on how aquaculture can be used in the mission field. Intensive hands-on laboratory activities include building and maintaining both fresh and marine aquaculture systems with the goal of raising and harvesting various species for either the food or ornamental markets.

Science Flow Chart



World Language

Spanish 1

Ninth and 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

Ninth-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.

French 1

Ninth and Tenth Grade

Two Semesters Course Credit: 1.0

In this French course students develop 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 immerse the students in the culture, history, and geography of the French-speaking world.

French 2

Ninth-Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: French 1

This French 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 French-speaking world.

High School Electives

Personal Fitness

Ninth-Twelfth Grade

One semester Course Credit: 0.50

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. This course addresses both the health and skill-related components of physical fitness which are critical for students' success. Students, with the guidance of a training instructor, set personal goals in four areas of wellness: physical, emotional, social, and academic.

Health/Life Management Skills

Ninth-Twelfth Grade

One Semester Course Credit: 0.50

The purpose of this course is to produce health literate students that make sound decisions and take positive actions for healthy and effective living. The course is wellness oriented and emphasizes responsible decision-making and planning for a healthy lifestyle. The content includes family life, personal health, internet safety, mental and emotional health, nutrition, substance use and abuse, injury prevention and safety, and prevention and control of disease.

Weight Training I

Tenth-Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Personal Fitness; Health/Life Management Skills

The purpose of this course is to provide students with the knowledge, skills, and values they need to become healthy and physically active for a lifetime. The students will identify their personal goals both short (3 months) and long term (current school year of 10-12 months). This course addresses both the health and skill-related components of physical fitness which are critical for students' success. Students will understand how to apply proper fitness training protocols to meet their goals while also creating a balance of all aspects of fitness: Strength, Muscular Endurance, Flexibility, Aerobic Endurance, Anaerobic Fitness and Overall Mental Well-being. Appropriate instructional practices and assessments will be used to help students develop an understanding and proficiency of individualizing and creating a program that is meaningful to their individual goals and result driven. Nutrition will be addressed as well as researched to empower students to arm themselves with knowledge as well as understanding how to decipher accurate information from fads and gimmicks.

Weight Training II

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Weight Training I

This course is designed to empower & educate students to assess their current level of fitness. After assessing their current level of fitness, students will create a personalized set of both short-term (90 days) & long-term goals (6, 9 & 12 months). These goals can be geared towards sports performance and / or individual needs & desires for personal fitness. Every month, students will reassess their level of fitness through a series of evaluations and then create a new 4-week training plan (micro cycle) to continue meeting / getting closer to their personal goals. Students will utilize technology to write their own program (various apps can be used) as well as for tracking progress. Tracking progress will be individualized based on the students' goals. Goals will vary from strength gains, weight gain, weight loss, fat loss, body composition improvements, etc. Nutrition will be addressed as well

Physical Education continued

as researched to empower students to arm themselves with knowledge as well as understanding how to decipher accurate information from fads and gimmicks.

Weight Training III

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Weight Training II

This course builds upon previous fitness concepts introduced in Weight Training I and introduces students to Kinesiological principles. Students will explore advanced biomechanical functions of muscles and movement, discover new fitness concepts and modalities, and incorporate recovery protocols to avoid “burnout” and overtraining. Students will place special emphasis on learning about programming methods, macro and micro-cycles, and consideration of optimal rest and recovery. Students will implement and practice visualization and meditative techniques to help create focus and intention. Optimal and targeted nutrition strategies will be introduced to promote growth and repair, reduce mental and physical fatigue, and assist with recovery.

Health Science Foundations Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Human Anatomy and Physiology Honors

This course is part of the Secondary Health Core designed to provide the student with an in depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem solving skills. Students will explore the educational requirements, licenses, and certifications for careers at multiple levels within the healthcare system. Throughout this course, students will learn what it means to have a healthy lifestyle, how to prevent disease and illness, and what their responsibilities are as a patient and future employee in the healthcare system. They will learn everything from applying for a job to ensuring the soft skills needed to excel in their career. The course will focus on communication and interpersonal skills, the use of technology, ethics, and the development of critical thinking and problem-solving skills. Students will also learn first aid skills and how to assess vital signs.

Exercise Science

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

This course prepares students to be employed as Personal Trainers. Content includes, but is not limited to, identifying and practicing within the appropriate scope of practice for a personal trainer, developing and implementing exercise programs for apparently healthy individuals or those who have medical clearance to exercise, becoming proficient in the appropriate fitness equipment used, as well as becoming familiar with the musculo-skeletal system of the body.

Performing Arts

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

Comprehensive Art I

Ninth-Twelfth Grade

Two Semesters Course Credit: 1.0

This is an introductory level, two-dimensional design course with an introduction to three-dimensional design for the upper school student. First semester focuses on a sequence of painting projects involving mixing hues, creating chromatic grays & blacks, tinting, toning and value gradation. In this foundational course, emphasis is placed on developing perspective and shallow space compositions using the elements and principles of design, proper use of scale, proportion, and values. Second semester focuses on experimenting & practicing with a range of other materials like watercolor & colored pencil to acquire basic skills in a chosen art form. For the 3D component, basic hand-building techniques are acquired in ceramics plus experimenting & creating cardboard sculptures in the round by looking at the architect Frank Gehry. Students learn how to research artists and study art history through a short research paper. Styles & movements studied are Realism, Impressionism, Post-Impressionism & Symbolism. Participation in the Annual Art Show is required and biblical integration is included throughout the curriculum.

Comprehensive Art II

Ninth-Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Completion of Art I

In this course the student continues to explore, refine, and develop technical skills in 2-D compositions and 3-D design. The course starts with a review on mixing hues and values in paint which then moves into exploring space-producing devices like overlapping, transparency, vertical and horizontal axis, disproportionate scale, fractional or abstracted representation, etc. Students' exploration in mark making continues by introducing new methods and materials like printmaking, foil art, and oil pastels while generating, plans, ideas, and new directions for creating art. The 3D component will involve creating Sgraffito boxes and coil vessels in ceramics. Students will continue to submit research papers on major styles and movements in early western 20th century art. Daily sketching and participation in the Annual Art Show at SFCA is required. Biblical integration is included throughout the curriculum.

Comprehensive Art III Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Completion of two years of art; teacher recommendation

Honors Art is designed for students to explore a variety of art making processes independently with minimal teacher instruction. 12 projects are required that involve 8 different processes and techniques. Each project will begin with a written proposal explaining how his/her objectives work towards a theme of their choice. After the project is complete the student will submit a written analysis of the project describing if goals have been met and other ways the work could have been enhanced. All projects should demonstrate the discovery of new techniques while expanding on familiar processes in their art making. The Honors art student that receives approval for this course demonstrates leadership qualities in the art room with an elevated level of artistic maturity.

Comprehensive Art IV Honors

Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Completion of three years of art; teacher recommendation

Honors Art IV continues to allow students to explore a variety of art making processes independently with minimal teacher instruction. 12 projects are required that involve several different processes and techniques. Each project will begin with a written proposal explaining how his/her objectives work towards a theme of their choice. After the project is complete the student will submit a written analysis of the project describing if goals have been met and other ways the work could have been enhanced. All projects should demonstrate the discovery of new techniques while expanding on familiar processes in their art making. The Honors art student that receives approval for this course demonstrates leadership qualities in the art room with an elevated level of artistic maturity.

Symphonic Band I

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.

Symphonic Band II

Tenth-Twelfth Grade

Two Semesters Course Credit: 1.0

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

This course further develops 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 participates 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.

Symphonic Band III Honors

Tenth-Twelfth Grade

Two Semesters Course Credit: 1.0

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

This advanced 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.

Symphonic Band IV Honors

Twelfth Grade

Two Semesters Course Credit: 1.0

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

This advanced 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 I

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.

Praise Band II Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Students must have completed one year of praise band and audition with the teacher.

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. Additional criteria, including weekly written projects and worship opportunities, will be expected of those seeking to be in Honors.

Choir 1

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 participate 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.

Choir II

Tenth-Twelfth Grade

Two Semesters Course Credit: 1.0

This course is designed to further explore and 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 participate 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.

Choir III Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Students must have completed 2 consecutive years of choir and audition with the teacher.

This advanced 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 participate in at least four major performances throughout the year, including participation in choral music festivals at the regional and state levels. Students in Honors will be given additional criteria and expectations. 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.

Choir IV Honors

Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisite: Students must have completed 3 consecutive years of choir and audition with the teacher.

This advanced 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 participate in at least four major performances throughout the year, including participation in choral music festivals at the regional and state levels. Students in Honors will be given additional criteria and expectations. 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 I

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.

Drama II

Tenth-Twelfth Grade

Two Semesters Course Credit: 1.0

Students will further 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.

Drama III Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Students must have completed 2 consecutive years of drama and permission from the drama teacher. Students must have maintained exemplary grades in previous drama classes and demonstrated Christian leadership on and off the stage.

Students will progress into advanced theater training, which encompasses acting, directing, and design. The concepts that students learn will aid in creating a foundation for any branch of theater a student chooses to pursue in future study and practice. The goal of the course is to provide students with advanced opportunities for theatre practice and to nurture their development in all areas. Two formal performances in front of an audience are a requirement for all students enrolled in this course. Each student is required to assist backstage with an after-school workshop performance or the Middle School Fall show performance. For each show of the school year the student will be on at least one of the production teams. This will require outside of class meetings typically in the afternoons. During the school year, students in Honors Theater will produce and perform a children’s theater production or one act play.

Drama IV Honors

Twelfth Grade

Two Semesters Course Credit: 1.0

Prerequisites: Students must have completed 3 consecutive years of drama and permission from the drama teacher. Students must have maintained exemplary grades in previous drama classes and demonstrated Christian leadership on and off the stage.

Students will progress into advanced theater training, which encompasses acting, directing, and design. The concepts that students learn will aid in creating a foundation for any branch of theater a student chooses to pursue in future study and practice. The goal of the course is to provide students with advanced opportunities for theatre practice and to nurture their development in all areas. Two formal performances in front of an audience are a requirement for all students enrolled in this course. Each student is required to assist backstage with an after-school workshop performance or the Middle School Fall show performance. For each show of the school year the student will be on at least one of the production teams. This will require outside of class meetings typically in the afternoons. During the school year, students in Honors Theater will produce and perform a children’s theater production or one act play.

Practical Arts

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

Business and Finance

Business and Entrepreneurial Principles

Eleventh and Twelfth Grade

Two Semesters Course Credit 1.0

This course is designed to introduce business organization, management, and entrepreneurial principles. Topics include communication skills, various forms of business ownership and organizational structures, supervisory/management skills, leadership skills, human resources management activities, business ethics, and cultural diversity. Emphasis is placed on job readiness and career development. The use of computers is an integral part of this program.

Personal Financial Literacy

Eleventh and Twelfth Grade

Two Semesters Course Credit 1.0

The purpose of this course is to give students an overview of personal and family finance concepts including the American economic system, personal and family management of resources including income, money management, saving and investing, spending and credit, the role of financial institutions and the consumer, consumer information and taxation and financial planning.

Communications and Technology

Digital Media/Multimedia

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.

Artificial Intelligence in the World

Tenth-Twelfth Grade

One Semester Course Credit: 0.50

Artificial Intelligence in the World is an introductory course that guides students through the concepts, tools, and building blocks of artificial intelligence. This course provides students with a broad overview of how AI is used in decision-making and problem-solving worldwide. Students will learn how ethics impacts AI and will also have the opportunity to explore the various parts of AI with hands-on activities through the use of chatbots and other exciting interactives.

Applications of Artificial Intelligence

Tenth-Twelfth Grade

One Semester Course Credit: 0.50

Prerequisite: Artificial Intelligence in The World

Building on the foundational knowledge acquired in Artificial Intelligence in the World, you will embark on a thrilling journey through the world of artificial intelligence. From machine learning to robotics, you will gain hands-on experience developing AI systems, delve into the complexities of natural language processing and computer vision, and consider the ethical and societal implications of this rapidly evolving technology. Get ready to be amazed and inspired by the limitless possibilities of AI as you immerse yourself in this cutting-edge field.

Digital Information Technology

Ninth-Twelfth Grade

Two Semesters Course Credit 1.0

This innovative course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Digital Information Technology includes the exploration and use of the following: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

Foundations of Programming Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit 1.0

Learn the skills required to be competitive in today's high-tech workforce. This course covers the fundamentals of programming using the computer language Python. It provides you with the concepts, techniques, and processes associated with computer programming and software development. Students also explore the vast programming career opportunities available in this high-demand field.

Foundations of Journalism I

Ninth-Twelfth Grade

Two Semesters Course Credit 1.0

The purpose of this course is to enable students to develop fundamental skills in the production of journalism across print, multimedia, web, and broadcast/radio platforms and to develop knowledge of journalism history, ethics use, and management techniques related to the production of journalistic media.

Foundations of Journalism II

Tenth-Twelfth Grade

Two Semesters Course Credit 1.0

This second year course will allow students to demonstrate skills in demonstrating fundamental skills in layout design, organization/management skills, and use of technology for the successful production of journalistic media while using writing strategies to craft various forms of journalistic writing, including news writing, feature writing, sports writing, and editorial writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context. Skills of researching will be utilized as well.

Photojournalism

Ninth-Twelfth Grade

Two Semesters Course Credit 1.0

This course is designed to introduce students to basic photojournalism techniques, including camera operation, lighting, composition, photo manipulation, and storytelling for print and online publications. Through this course, the students will become familiar with Digital Single Lens Reflex (DSLR) and as well as cameras on mobile devices and learn how to create authentic journalistic documents. An emphasis will be placed on using the camera as a reporting tool and will cover industry expectations for professional photojournalists.

Communications Technology

Tenth-Twelfth Grade

Two Semesters Course Credit 1.0

This course provides students with instruction in the characteristics and evolution of technology, underlying principles of design, and fundamental knowledge and skills in the use of software used in communications design. Included in the content is the use of essential application software.

Digital Design and Layout Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit 1.0

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills, digital publishing concepts and operations, layout, design, measurement activities, digital imaging as well as communication, collaboration and decision-making activities, critical thinking, and problem solving.

Visual Tech Editing Honors

Eleventh and Twelfth Grade

Two Semesters Course Credit 1.0

Students explore the fundamental concepts, terminology, techniques, and applications of digital imaging to create original work. Students produce animated digital images through the single or combined use of computers, digital cameras, digital video cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Through the critique process, students evaluate and respond to their own work and that of their peers to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

Other Electives

School Service

Based on availability

One or Two Semesters Course Credit 0.50 (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

Tenth-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 and Twelfth Grade

One or Two Semesters No Credit

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 2.75 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.