SAN MARCOS ACADEMY COURSE CATALOG 2021-22

ENGLISH LANGUAGE ARTS AND READING

Endorsements-Four credits in the English Language Arts category will fulfill all endorsements.

English I (1 credit):

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

English I (Honors) (1 credit):

Students will work independently and within a learning community to critically analyze a variety of literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse and complex selection of texts. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. A variety of research techniques will be taught to facilitate independent investigation of concepts and ideas. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled.

English II (1 credit):

Students will use a variety of strategies to comprehend and analyze literary genres including fiction, drama, poetry, and literary non-fiction, with informational and persuasive writing. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts that reflect a wide range of cultures and world experiences. Students will use a process to create written products that communicate insightful ideas effectively using appropriate formats. Research techniques will be implemented throughout the year to expand understanding of topics and concepts. Vocabulary acquisition strategies leading to increasing reading levels will be instilled.

English II (Honors) (1 credit):

English II Honors continues to emphasize grammar, usage, punctuation and spelling through oral and written exercises. However, major emphasis on these mechanical skills begins to shift from drill to applied composition. English II Honors students write personal, descriptive, and persuasive essays throughout the year to develop their thinking skills and to refine mechanical skills learned in lower grades. The literature portion of English II Honors uses an anthology and novels to explore the concept of man's and woman's relationship to themselves, others, and their environment. With this literature, the student also furthers his/her composition skills through the writing of literary reviews, which employ very rudimentary footnoting and bibliography

skills. Students will study ancient and classical Rome and its literature, with a special focus on myth-making and civics. The students then move on through the ages to read Dante and Shakespeare, constantly comparing worldviews of these different eras with our own. We will compare the worldview of this ancient culture with those of other eras to help them understand their own. English II Honors focuses on preparedness for higher language arts curriculum.
Prerequisite: English I Honors

English III (1 credit):
Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on American literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format.

English III (Honors) (1 credit):
Students will work independently and within a learning community to critically analyze a variety of literary genres with emphasis on influential works of American literature. Students will use their understanding of rhetorical strategies and literary elements to analyze and evaluate complex literature. Students will articulate increasingly insightful ideas effectively utilizing more sophisticated and appropriate formats. Vocabulary acquisition strategies leading to increasing comprehension of more complicated texts will be instilled. Students will implement effective and thoughtful research strategies to produce research products with correct documentation of sources and format.

English IV (1 credit):
Students will use a variety of strategies to comprehend and analyze a variety of genres with emphasis on British literature. Students will use their understanding of literary elements to make thematic connections within a diverse selection of texts and present their ideas articulately in a correct and appropriate written format. Students will continue to communicate more complex and insightful ideas effectively using appropriate formats. Vocabulary acquisition strategies leading to increasing reading levels will be instilled. Students will implement effective and thoughtful research strategies to produce a formal research paper with correct documentation of sources and format.

College Freshman Writing I (ENGL 1321) (1/2 credit and three college hours):
Students will be introduced to the rhetorical triangle and the writing process as they write a series of original essays. Students will explore various modes and aims of writing as they work through invention, planning, drafting, getting feedback, revising, editing, and proofreading. At the end of the semester, students should be able to create a thesis and adequately support it with a well-structured essay written in a clear, coherent, and concrete style and present it to an audience either orally or in written form. A grade of a "C" or higher is necessary for enrollment in ENGL 1322.
Prerequisites: English III Honors; The following are the TSIA2 College Readiness Cut (CRC) Scores as set by the state. With the TSIA2, there is a second chance to prove college readiness with high scores from the diagnostic section. ELAR (Integrated Reading and Writing)

- CRC score of a 945-990 with an Essay of 5-8, or
- CRC score of a 910-944 with a Diagnostic Level of 5-6 and an Essay of 5-8

College Freshman Writing II (ENG 1322) (1/2 credit and three college hours):
This course will introduce students to some of the history of rhetoric and the role it plays in civilization. The students will learn to apply an argumentative model in both analyses and composition of arguments. A variety of readings will allow the students the opportunity to think critically about the world and their relationship with it. The students will write essays which explore their own thinking and produce an argument that conveys their understanding. **Prerequisites**: A grade of C or higher in English 1321 College Freshman Writing I (ENGL 1321).

Yearbook Journalism (1 credit):
Yearbook Journalism is a full year course in which the student staff is responsible for the production of the school yearbook, *The Crest*. During the first semester, students will be introduced to the basic skills of yearbook production, will learn to use InDesign CS6 desktop publishing program, and will begin planning the theme and contents of the *Crest*. During the second semester, students will use class time to produce their assigned yearbook pages in order to meet publication deadlines. No student may enroll in the second semester without first having completed the first semester of the course.

MATH

Endorsements: Five credits (to include Algebra I, geometry, Algebra II, and 2 upper level math) in the math category are require for the STEM endorsement in math. All other endorsements require Algebra I, geometry, and two math.

Algebra I (1 credit)
Algebra I will have emphasis on real-world, practical, and technological applications. Students upon completion of this course will be able to have the following skills: understanding principles of the definitions of operations involving numbers and variables and understanding definitions and properties of the rectangular Cartesian coordinate system. They will also understand properties of algebraic, radical, and exponential expressions, and understand and apply word problems including applications of linear systems. Upon completion of this course, students will continue to geometry or geometry honors.
Prerequisite: Mastery of the principles of pre-algebra (operations within the real number system)

Geometry (1 credit):
This is an introductory math course focusing on (but not limited to) the basics of geometry, including transformations and congruence, proofs of theorems, dilations and similarities, properties of two- and three-dimensional shapes, triangle similarity proofs, coordinate geometry, linear equations and inequalities, systems of linear equations, special triangles and trigonometry, volume and figures, circles, plus the relationship of mathematical processes to real world applications. Upon completion of this course, students will continue to Algebra II or Math Models with Applications.
Prerequisite: Algebra 1 (regular or honors)

Geometry (Honors) (1 credit);
Geometry is one of the three math courses required under the Foundation High School Plan by the State of Texas for graduation (this plan is part of every graduation program). This course extends fundamental ideas of intuitive geometry into a precise system for introducing and exploring logical geometry, including inductive and deductive reasoning, angles, perpendicular and parallel lines. It also develops the use of inductive and deductive logic in examination and proof of congruent and similar polygons. Students will also be presented with and prove properties of right triangles, circles and constructions, explore introductory coordinate geometry, and

examine areas of plane figures and volumes of solid figures. The problems are on a higher level of difficulty and proofs are more rigorous than in the regular classes. Upon completion of this course, students will continue to Algebra II Honors.
Prerequisite: Algebra 1 (honors)

Math Models with Applications (1 credit):
Math Models with Applications is an upper level math elective that may be taken any time after completion of Algebra I and geometry. Students will continue to build on the Algebra I and geometry foundations as they expand their understanding through other mathematical experiences. Students use algebraic, graphical, and geometric reasoning to recognize patterns and structure from a wide variety of representations (concrete, numerical, algorithmic, and graphical), and to model and solve real-life applied problems involving money, data, chance, patterns, and science. Students will use these mathematical models, tools, and technology to link modeling techniques and purely mathematical concepts and to solve applied problems. As students gradually increase familiarity and comfort with mathematics, they continually use problem solving, language and communication, connections within and outside mathematics, and reasoning. Depending on the math courses the student has already completed, upon completion of this course the student will continue to Algebra II.
Prerequisites: Algebra I and geometry (regular or honors); teacher's recommendation suggested but not required

Algebra II (1 credit):
Algebra II is a continuation of material found in both Algebra I and geometry. The students will apply more advanced concepts and techniques of the content introduced in Algebra I and geometry as well as new material involving (but not limited to) nonlinear systems, complex fractions, complex roots, and more advanced word problems applied to real world applications. The course can be considered as a prerequisite course for the content found in Pre-calculus and college level math courses.
Prerequisites: Algebra I and Geometry (regular or honors)

Algebra II (Honors) (1 credit):
Algebra II is an upper level math elective that satisfies the third math requirement for the Fundamental High School Plan and is required for any endorsement plans under the Recommended High School Plan and the Distinguished Achievement Plan. This course is a continuation of material found in both Algebra I and geometry. The students will apply more advanced concepts and techniques of the content introduced in Algebra 1 and Geometry as well as new material involving but not limited to non-linear functions, complex numbers, matrices, statistics, sequences and series, trigonometry, conic sections and more advanced word problems applied to real-world applications. Graphing calculators are employed daily. This course can be considered as a prerequisite course for the content found in pre-calculus honors and college level math courses.
Prerequisites: Algebra I and Geometry (honors or by teacher's recommendation)

Pre-Calculus (1 credit):
Pre-Calculus is a preparatory course for students intending to go on to college algebra, trigonometry, and calculus (especially recommended for those students intending to pursue a degree in a STEM-related field). Compared with the honors course, this course will focus on strengthening existing knowledge of algebraic and geometric concepts at a slightly more relaxed pace. The course is a blend of algebra, trigonometry, and analytic geometry. Topics to be covered include (but are not limited to) polynomials, exponents, solving equations, solving systems of equations, advanced word problems, simplifying expressions, using the unit circle, coordinate conversion, law of sines, law of cosines, and transformations and properties of functions. There will be a particular emphasis on communication of methods used, interpretation of results, and real world problems.
Prerequisites: Algebra 1, Geometry, and Algebra 2 (honors or regular)

Pre-Calculus (Honors) (1 credit):
Pre-Calculus is an upper level math elective course. This is a preparatory course for students intending to go on to college algebra, trigonometry, and calculus (especially recommended for those students intending to pursue a degree in a STEM-related field). The course is a blend of algebra, trigonometry, and analytic geometry. Topics to be covered include (but are not limited to) polynomials, exponents, solving equations, solving systems of equations, advanced word problems, simplifying expressions, using the unit circle, coordinate conversion, law of sines, law of cosines, transformations and properties of functions, properties of conic sections, and a very basic introduction to statistics. There will be a particular emphasis on communication of methods used, interpretation of results, and real world problems.
Prerequisites: Algebra 1, Geometry, and Algebra 2 (honors or by teacher's recommendation)

AP Calculus AB (1 credit):
AP Calculus AB is an upper level year-long math elective that can satisfy one credit of the 2 additional elective credits required for the STEM endorsement or the Multidisciplinary Studies endorsement. AP Calculus AB is designed to be the equivalent of a first semester college calculus course devoted to topics in differential and integral calculus. It is especially recommended for those students intending to pursue a degree in a STEM-related field or for those intending to study accounting, finance, or actuarial science. This course is the culmination of the algebra-geometry-trigonometry sequence of courses, where all the methods, techniques, and knowledge of shapes and functions are used together to solve more complex, real-world problems. Topics to be covered include (but are not limited to): explorations of the concepts, methods, and applications of differential and integral calculus, including topics such as parametric, polar, and vector functions, and series. Students will perform experiments and investigations and solve problems by applying their knowledge and skills.
Prerequisites: Pre-calculus honors (or teacher recommendation with challenge agreement); MATH 1306 (recommended).

College Algebra (MATH 1306) (1/2 credit and three college hours):
College Algebra is a dual-credit, one semester, upper level math elective that can satisfy one half credit of the two additional elective credits required for the STEM endorsement or the Multidisciplinary Studies endorsement. Students who are considering future studies in a STEM-related field are encouraged to take MATH 1306 concurrently with Honors Pre-calculus in their junior year to better prepare them for success in AP Calculus AB during their senior year. Upon completion of this course, students will also receive three semester hours of undergraduate credit. This course covers topics from Algebra I, geometry, Algebra II, and pre-calculus in one semester, combining and presenting these topics grouped conceptually and sequentially to give students a broad overview and review of all the "tools" in the algebra "toolbox." Topics to be covered include (but are not limited to) equations and inequalities; polynomial, rational, exponential, and logarithmic functions; and systems of equations. There will be a particular emphasis on communication of methods used, interpretation of results, and real world problems.
Prerequisites: Algebra II (honors recommended), pre-calculus (or concurrent enrollment), and the following are the TSIA2 College Readiness Cut (CRC) Scores as set by the state. With the TSIA2, there is a second chance to prove college readiness with high scores from the diagnostic section. MATH

- CRC score of 950-990, or
- CRC score of 910-949 with a Diagnostic Level of 6

College Business Statistics (BSAD 2302) (1/2 credit and three college hours):
Business Statistics is a dual-credit, upper level math elective that can satisfy one credit of the 2 additional elective credits required for the STEM endorsement, the Multidisciplinary Studies endorsement, or the Business and Industry endorsement (CTE course in Finance). This course is recommended for students looking to go into

business; nursing; allied health; or the social, physical, or behavioral sciences. Upon completion of this course, students will also receive 3 semester hours of undergraduate credit. This is an introductory course in statistics which builds knowledge of the fundamental procedures for data organization and analysis. Topics include frequency distributions, graphing, measures of location and variation, the binomial and normal distributions, z-scores, t-test, chi-square test, F-test, hypothesis testing, analysis of variance, regression, and correlation.
Prerequisites: College Algebra (MATH 1306)

SCIENCE

Endorsements: Five credits in the science category are required for the STEM endorsement in science. All other endorsements require biology, physics or chemistry, and two advanced sciences.

Biology (1 credit):
The core principles of science are used to promote a deep understanding and appreciation of the complexity, diversity, and interconnectedness of life on earth. This course includes laboratory work, the study of specimens, projects, and a thorough understanding of scientific inquiry. Course content encompasses interrelationships of living things, levels of biological organization, cellular biology, biochemistry, genetics, and theory of biological evolution (Christian worldview). Students should be prepared to conduct projects and write a formal lab report. Instruction centers around inquiry-based learning that is incorporated into class activities. Classes are structured to utilize every minute for learning, assessing understanding, and real-world application. Higher-level thinking will be incorporated into each lesson as well as the use of technology when applicable to increase student achievement.
Preferred: Completed IPC
Preferred for Honors: Completed IPC Honors and Algebra 1.

Chemistry (1 credit):
Chemistry is the study of the composition, structure, and properties of matter and the changes they undergo. This year-long course investigates the structure of atoms and how they interact with one another to form chemical compounds. Included are laboratory investigations, lectures, and class discussions. At the end of this course, the student will have intermediate mastery of chemistry. Students will be able to use critical thinking, analyze problems, and use calculations to prove and solve problems.
Prerequisites: **Math:** Completed Algebra I and enrolled in geometry and **Science:** Completed biology.

Anatomy and Physiology (Honors) (1 credit):
This course provides fundamentals to the study of the anatomy (structure) and the physiology (function) of the human body. Human anatomy and physiology includes the study of the chemical levels of organization, the cellular level of organization, the tissue level of organization, organ level of organization and organ systems of the human body. An integral part of the course is to teach the basic laboratory skills and techniques used in the scientific method. Students will be able to apply knowledge gained in the course to their everyday lives, human health/wellness, and further studies into a medical field career. Biblical truths are integrated into the lesson plans. The study of specimens through hands-on labs and dissections is incorporated throughout the course. Medical field investigations as available. Classes are structured to utilize every minute for learning, assessing understanding, and real-world application. Higher-level thinking will be incorporated into each lesson as well as the use of technology when applicable to increase student achievement.
Prerequisites: Completed two of the following courses: IPC, biology, chemistry or physics
Preferred for Honors: Completed at least one previous Honors course in Science

Integrated Physics and Chemistry (1 credit):
This course is an introduction to both at an easier level to put the student on solid ground when he/she takes them. Students will cover motion, energy transformations, waves, properties of, and changes in matter, along with solution chemistry while having fun with hands-on activities that reinforce the concepts found here. Concepts will be applied while data is collected and analyzed. This course must be taken before chemistry and physics in order to be one of the four sciences for the Endorsement Graduation Plan. It may not count towards the science requirement for the
Distinguished Achievement Program.

Physics (1 credit):
By applying a three-stage learning cycle the student will explore, develop and apply the concepts of physics. Though this course integrates some aspects of chemistry, the underlying ideas are those of basic physics: mechanics; properties of matter, heat, sound, and light; and electricity and magnetism. Physics is built on a vast body of knowledge described by physical, math and conceptual models. All systems have basic properties that can be described in terms of space, time, energy and matter. Investigating these properties based on natural patterns made part of students' personal experiences will allow the students to describe, predict and understand the natural world.
Prerequisites: **Math:** Completed or enrolled in Algebra II and **Science:** Completed biology.

Environmental Systems (1 credit):
Environmental Systems is the study of the cycles, systems, and phenomena of the world around us. This year-long course investigates cycles of matter, currents of the ocean, global warming, global cooling, greenhouse gas, energy consumption, energy production, land formations, atmospheric and aquatic pollution, and major environmental problems that face our species. Included are lectures, papers, projects, and class discussions. At the end of this course, the student will be prepared to think critically and make relevant and concise comments on environmental problems. Classes are structured to utilize every minute for learning, assessing understanding, and real-world application. Higher-level thinking will be incorporated into each lesson as well as the use of technology when applicable to increase student achievement.
Prerequisites: Completed two of the following courses: IPC, biology, chemistry or physics

AP Physics 1: Algebra Based (1 credit):
Physics is the study of matter and energy and intra-conversions. This course is equivalent to an introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; tension with friction; thermodynamics; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force, field, and potential; electric circuits; magnetism and electromagnetic induction; and mechanical waves and sound.
Prerequisites: **Math:** Completed Algebra 2 and **Science:** Completed Biology.

AP Environmental Science (1 credit):
AP Environmental Science is a college level course. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet, there are several major unifying constructs, or themes, that cut across the many topics included in the study of environmental science. Classes are structured to utilize every minute for learning, assessing understanding, and real-world application. Higher-level thinking will be incorporated into

each lesson as well as the use of technology when applicable to increase student achievement. The AP test is offered at the end of the course.
Prerequisites: Math: Completed Algebra II ***and*** Science: Completed two of the following courses: IPC, biology, physics, or chemistry

SOCIAL STUDIES

Endorsements*: Five credits in the social studies category are required to fulfill the Arts & Humanities endorsement in social studies. All other endorsements require 4 credits to include: World Geography, World History, United States History, Government and Economics.*

World Geography (1 credit):
This course examines people, places, and environments at local, regional, national, and international scales from spatial and ecological perspectives of geography. Students will describe the influence of geography on events of the past and the present.

World Geography-(Honors) (1 credit):
This course examines people, places, and environments at local, regional, national, and international scales from spatial and ecological perspectives of geography. Students will describe the influence of geography on events of the past and the present. The honors course prepares students for high-level social studies coursework.

World History (1 credit):
This course is a survey of world civilizations with emphasis on a survey of the major developments of mankind from prehistoric times to the present.

AP World History (1 credit):
This is a writing intensive course.
Students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore thought the course in order to make connections among historical developments in different times and places: Humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.
Final - Must be willing to take the AP Exam in May
College Course Equivalent - AP World History: Modern is designed to be the equivalent of an introductory college or university survey of modern world history
Prerequisites: Students should be able to read college-level textbooks and write grammatically correct, complete sentences

United States History (1 credit):
This year-long course is a survey of United States history from the Civil War to the present, with attention to the broad social, economic, and political development of the trends and institutions of American culture and the affirmation of the Christian worldview. The course content is based on the founding documents of the United States government. The first semester will cover events through the "roaring twenties;" the second semester continues with the Great Depression through the present.

College United States History to 1876 (HIST 2311) (1/2 credit and three college hours):

This is a writing intensive course.

U.S. History 2311 is a general survey of the United States history from the exploration of America through 1877. This dual credit course satisfies one-half the legislative requirement of six semester hours in American history. U.S. History 2311 and U.S. History 2312 combined satisfy the year-long requirement for 11th grade U.S. History.

Prerequisites: The following are the TSIA2 College Readiness Cut (CRC) Scores as set by the state. With the TSIA2, there is a second chance to prove college readiness with high scores from the diagnostic section.

ELAR (Integrated Reading and Writing)

- CRC score of a 945-990 with an Essay of 5-8, or
- CRC score of a 910-944 with a Diagnostic Level of 5-6 and an Essay of 5-8

College United States History Since 1876 (HIST 2312) (1/2 credit and three college hours):

This is a writing intensive course.

U.S. History 2312 is a general survey of the United States history from 1877 to the present. It satisfies one-half the legislative requirement of six semester hours in American history and is a dual credit course. U.S. History 2311 and U.S. History 2312 combined satisfy the year-long requirement for 11th grade U.S. History.

Prerequisites: College United States History to 1876 (HIST 2311)

Economics (1/2 credit):

This ½ credit course emphasizes the major concepts of conditions concerning the economic and socioeconomic problems of today. Subjects include the nature of our economic system; production and prices of goods and services; distribution of national income; money, credit, and banking; government expenditures; taxation; and personal and family economic problems. The free enterprise system and its benefits are a strong feature of the economics course.

AP Macroeconomics (1/2 credit):

AP Macroeconomics is equivalent to a one-semester introductory college course in economics. Course AP Macroeconomics introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. College Course Equivalent.

United States Government (1/2 credit):

The goal of this one-semester course is to explain and analyze the government, its organization, its control by the people, its actions, and the methods by which those actions are carried out.

College American Government (POLS 2311) (1/2 credit and three college hours) :

POLS 2311 is a study of American national government, with a focus on its constitutional development, historical background, organization and functions. This class also includes the study of Texas government. This course is a dual credit course. Students, upon passing this course, will receive high school credit as well as college credit hours.

Prerequisites: The following are the TSIA2 College Readiness Cut (CRC) Scores as set by the state. With the TSIA2, there is a second chance to prove college readiness with high scores from the diagnostic section.

ELAR (Integrated Reading and Writing)

- CRC score of a 945-990 with an Essay of 5-8, or
- CRC score of a 910-944 with a Diagnostic Level of 5-6 and an Essay of 5-8

College Introduction to Psychology (PSYC 1301) (1/2 credit and three college hours):
This is a writing intensive course.
This course is a one-semester course worth three college credits. It is an overview of the scientific aspects of psychology with emphasis on learning, perception, motivation, physiology, human development, and the philosophy of science.
Prerequisites: The following are the TSIA2 College Readiness Cut (CRC) Scores as set by the state. With the TSIA2, there is a second chance to prove college readiness with high scores from the diagnostic section.
ELAR (Integrated Reading and Writing)

- CRC score of a 945-990 with an Essay of 5-8, or
- CRC score of a 910-944 with a Diagnostic Level of 5-6 and an Essay of 5-8

FINE ARTS

Endorsements-Four credits in the fine arts category are required to fulfill the Arts & Humanities Endorsement in fine arts. One credit is required for graduation.

MUSIC

Applied Music (1/2 – 1 credit): Students may enroll for applied music at all grade levels. Instruction takes place in small classes everyday each week as assigned by the band director. Practice occurs during the class period, on an individual basis in the dorm or practice rooms after school, or during advisory or Bear Time. There is an additional fee for individual private lessons from an approved instructor one period per week. If you take Applied Music on a Band instrument you must be enrolled in the SMA Band. Lessons are offered on all band instruments, strings, guitar, piano and voice if a private instructor is available.

HS Beginning Band (½ - 1 credit): This course is a one-semester course offered in both the fall and spring semesters. It introduces to high school students the instruments used in band, the reading of music for the student's chosen instrument, and the vocabulary necessary for proper reading and interpretation. The student should expect preparation for progression to more advanced music and is encouraged to participate in the Pep Band and/or the Concert Band. This class will be offered during an Applied Music class.

HS Concert Band (1 credit): This course is offered during the school year and is open to all students with previous instrumental (band, orchestra, keyboard) experience. The band plays for TAPPS competitions and students may expect to participate in TAPPS solos or ensembles at their respective levels. The Concert Band performs as a Pep Band performing spirit music at all SMA home football games, pep rallies, homecoming, and continues as a concert band following the final football game. Other performance opportunities includes a Christmas concert, ATSSB auditions for district, regional, and state bands, a spring festival trip, the end-of-year concerts, the awards ceremony, and graduation activities.

VISUAL ARTS

Art I (1 year, 1 credit):
This introductory art course is for students who have had no previous high school art experience. This course will introduce and focus on the Elements of Art and the Principles of Design. Students will be required to purchase an art kit from the Sabre.

Art II (1 year, 1 credit):
As they explore different mediums and techniques, students will strengthen their skills and develop their own style. Students will work in drawing, painting, printmaking, mixed media, and sculpture. Students will be required to purchase an art kit from the Sabre.
Prerequisite: Art I

Art III (1 year, 1 credit):
Students in this class will continue to strengthen their skills, refine their techniques, and expand their personal expression. Art III students will maintain an art journal throughout the year, combining drawing, painting, writing, and collage. Students will be required to purchase an art kit from the Sabre.
Prerequisite: Art I, Art II

Art IV (1 year, 1 credit):
On a more advanced and independent level, students will focus on a medium of their choice in order to confidently display their skills and talent while developing a strong personal voice. Purchases will depend on the chosen medium.
Prerequisite: Art I, Art II, Art III

Ceramics (1 year, 1 credit):
Students in this class will learn a variety of hand-building techniques, how to work on the potter's wheel, glazing & decorating techniques, and instruction on kiln loading and firing. A $50.00 clay fee will be charged.
Ceramics is limited to 6 students who must be approved by the teacher.

Ceramics II (1 year, 1 credit):
This class is for students who have taken Ceramics and have a desire to strengthen and expand their skills. Students must have shown dedication, progress and an ability to work independently. A $50.00 clay fee will be charged.
Prerequisite: Ceramics I

THEATER

Theatre Arts (1/2 – 1 credit):
This course is a beginning to advanced theatre courses built around production (Theatre I, II, III, and IV). The interested student can concentrate on a wide variety of theatre-based skills. Set design and building, lights and sounds, costuming and makeup, and of course acting. As an advanced student script writing and/or directing are available. The theatre student will learn about stage directions, miming, monologues and duets. Students will participate in class activities designed to improve fluidity of body movement, diction, memorization and facial control. Using improvisation, the student will learn how to portray different characters in a scene.

LANGUAGES OTHER THAN ENGLISH

Endorsement-Four Credits in the languages other than English category are required to fulfill the Arts & Humanities Endorsement in foreign language. Two credits in the same language are required for all other endorsements.

American Sign Language I (1 credit):
American Sign Language I is an introduction to American Sign Language (ASL). The course includes basic grammar, vocabulary, fingerspelling, numbers, and cultural information related to the deaf community. Students will learn the importance of ASL, how to start and end a conversation, how to meet someone, and discussions of family.

American Sign Language II (1 credit):
ASL II is a continuation of ASL I. This course is designed to continue development of American Sign Language expressive and receptive skills, grammar, vocabulary, cultural awareness, and related terminology. Students will learn how to talk about food, how to order meals and desserts at a restaurant, how to buy items at malls and stores, talk about school, people and the weather, and sports and games.
Prerequisites: ASL 1

Latin I (Honors) (1 credit):
This class introduces students to the classical Latin language and the culture of the Romans during the first century A.D. Most of the course is spent translating Latin stories into English and learning how to improve these reading and translation skills. The text, Cambridge Latin, features the family of Lucius Caecilius Iucundus, a banker living in Pompeii in 79AD, just before the eruption of Vesuvius. The Cambridge Latin course immerses the student in a large number of Latin passages, which allows them to get a mastery of vocabulary, grammar, and syntax through volume. Students play a multitude of vocabulary games to build vocabulary to try to speed up their translation.

Latin II (Honors) (1 credit):
Students continue their study of the classical Latin language and the culture of the Romans during the first century A.D. Most of the course is spent translating Latin into English and learning how to improve these reading and translation skills. Students will learn to use participles like "loving" and "loved," the subjunctive voice in phrases that show purpose, and the passive voice, opening a new world of verbs.
Prerequisite: Latin I Honors

Latin III (Honors) (1 credit):
Students continue their study of the classical Latin language and the culture of the Romans during the first century B.C. Most of the course is spent translating Latin into English and learning how to improve these reading and translation skills. The majority of readings in this class are authentic Latin from the Golden Age of Classical Latin from authors like Ovid, Vergil, and Catullus. Students will also learn about scansion of Latin poetry, and learn to find, mark, and read poetry in meter.
Prerequisite: Latin II Honors

Spanish I (1 credit):
This course includes simple conversations in the language based on greetings, introductions, the family, school, shopping, and the like. Emphasis is placed on the audio-lingual approach. However, students are also taught to read and write what they can say and are given knowledge of basic grammar and some cultural aspects of the language.

Spanish I (Honors) (1 credit):
This course includes simple conversations in the language based on greetings, introductions, the family, school, shopping, and the like. Emphasis is placed on the audio-lingual approach. However, students are also taught to read and write what they can say and are given knowledge of basic grammar and some cultural aspects of the language. The Spanish I Honors course proceeds at a fast pace and will have additional requirements on all assignments. A positive attitude and consistent participation is expected for students at the honors level.

Spanish II (1 credit):
This course begins with a review of Spanish I and continues in the same manner as the previous course. More difficult grammar and longer reading selections are included in Spanish II. Emphasis is placed on mastery of the past tenses. High points of Latin American history and culture are emphasized.
Prerequisite: Spanish I

Spanish II (Honors) (1 credit):
This course begins with a review of Spanish I and continues in the same manner as the previous course. More difficult grammar and longer reading selections are included in Spanish II. High points of Latin American history and culture are emphasized. A broader and deeper understanding of the language is acquired. This course proceeds at a faster pace with in depth studies of grammar and will have additional requirements on all assignments transitioning to speaking in the target language completely. Music is used as an authentic assessment to sharpen their listening skills.
Prerequisite: Spanish I (Honors)

Spanish III (Honors) (1 credit):
This course begins with an intensive review of Spanish I & II and continues in the same manner as the previous courses. More difficult grammar and longer reading selections are included in Spanish III. Most of the oral work done in the classroom is done in Spanish. More in-depth studies of Latin American and Spanish history and culture are emphasized. A broader and deeper understanding of the language is acquired. This course proceeds at a faster pace and will have additional requirements on all assignments. A positive attitude and consistent participation is expected for students at the honors level. Music is used as an authentic assessment to sharpen their listening skills.
Prerequisite: Spanish II (Honors)

Spanish IV (Honors) (1 credit):
This course is designed to reinforce and expand the Spanish language skills and knowledge already acquired from their first three classes to help them become proficient at an intermediate level. Since our focus is on rhetoric, students will engage in discussions and literature circles to continue practicing their Spanish speaking skills. Culturally authentic literature, art and music from Spanish-speaking countries will be discussed to continue developing speaking proficiency. Additional practice of advanced grammar skills will continue through oral presentations, journal reflections, and compositions. Classroom instruction, presentations, and discussions will be conducted in Spanish.
Prerequisite: Spanish III (Honors)

CAREER AND TECHNOLOGY

One credit of a computer/technology course is required graduation. Four years of technology are required for a Business and Industry endorsement.

Business Information Management I (1 credit):
Almost every career utilizes personal technology devices in some capacity, whether it is PC, MAC, iPad, etc. In BIM, students will learn the Microsoft Office Professional Suite program, which includes Word, Excel, Access, Publisher, and Power Point. Students will be required to use most of these programs in other classes so come learn more about their capabilities.

Computer Maintenance (1 credit):
Students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer maintenance. Students will apply technical skills to address the IT industry and emerging technologies. The CompTIA A+ book and curriculum is used for information.

Engineering Design and Problem Solving (1credit):
Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. ... Students will use multiple software applications to prepare and present **course** assignments. Rocketry is used as a tool to enhance STEM to the students.

Dual Credit Business Information Systems (BCIS) (1/2 credit):
Over the course of the semester, students plan, build, and develop a proposal for an iPhone application. They develop a very realistic mockup. They also build a website to help market and support the app. Students are engaged as the project is fun and feels real. In addition, they are simultaneously learning business concepts and management information system skills.

Project Based Research – College and Career Planning (Success 101) (1 credit):
This course is an exploration of careers, colleges, degree programs and personal finance and planning. Students will be introduced to a planning process that will help guide them through their high school career into higher education or technical training and employment. They will focus on interpersonal communication and public speaking while gaining skills to improve their confidence. Students completing this course will have an online portfolio with goals and plans to help guide them through their remaining years of high school. The course serves as a required elective for all freshmen on all endorsement tracks for graduation.

PHYSICAL EDUCATION

One credit is required for graduation.

Physical Education - Foundations of Personal Fitness (1 credit):
This course will be an overview of the physiological principles of exercise. Students will be instructed in the relationship of physical fitness to improved sport performance and daily life. Through this course students should be able to gain an understanding of the necessary skills for participation in various team and individual

sports and an appreciation for the benefits of a daily exercise program. This course will fulfill the physical education requirement for students not interested in competitive athletics.

Physical Education Substitution- Athletics (1 credit):
The focus of this class will be to improve overall athletic ability through strength and conditioning training in an environment that is not specific to any one sport. The workouts will be intense and designed to prepare our athletes physically and mentally for the intensity of varsity sports. All male and female student-athletes involved in team sports are required to be in the class for both semesters. Students enrolling in this class must be approved by the Director of Athletics. Any student-athlete with an academic reason for not being in the class must have approval of the principal.

RELIGION

Religion 1 full credit is required for graduation.

Hebrew Scriptures (1/2 credit):
Hebrew Scriptures is a one semester course. It is designed for students who have a limited understanding of the Old Testament. The course presents the Christian faith in its original and most accurate context: Judaism. The history of the Old Testament is foundational for understanding the primary message of Jesus and the basic beliefs of Christianity. The course is a survey of the Old Testament that provides students an understanding of the origins, history, and doctrines of biblical Christianity.

New Testament (1/2 credit):
New Testament is a one semester course. It is designed for students who have a limited understanding of the New Testament. The course presents Jesus of Nazareth as an unparalleled man of history and the Messianic hope of Israel. The course is a survey of the New Testament that provides students an examination of the life and ministry of Jesus of Nazareth. It is designed to investigate Messianic prophecies of the Old Testament, the world into which Jesus was born, the biographies of his ministry, and the influence of the lives he touched.

Apologetics (Honors) (1/2 credit):
This Apologetics course is a one semester introductory course. It is designed for students with a well-established Christian background and understanding. The course introduces and covers the apologetic task. Additionally, students will take up historical arguments and discussions in order to prepare them to defend the faith in the current political, social, and religious climates. Most discussions will take place in Harkness formation. This course is taught at an honors level, requiring independent research, analytical and writing, personal reflection, and thorough class participation and discussion. The Apologetics (H) course will be taught as a pre-requisite and preceding the Church History (H) course.

Church History (Honors) (1/2 credit):
Church History is a one semester summary course of the full year course. It is designed for students with a well-established Christian background. The course covers three of the four major periods in the history of the Christian Church: the Early Church, Church of the Middle Ages, and Church's period of Reformation. It is designed to be an overview of the development of Christianity during its first 1500 years. It excludes the Modern Period (AD1700-2100). It is taught at an honors level, requiring independent research, analysis and writing, in addition to knowledge of the facts of history.
Prerequisite: Apologetics

MILITARY SCIENCES

The Corps of Cadets at SMA is one of the oldest programs in the United States. The Corps offered to teach students character education, student achievement, wellness, leadership, and diversity. It is a historic cooperative effort between the Army and the high schools to produce successful students and citizens, while fostering in each school a more constructive and disciplined learning environment. The goals of the Corps of Cadets program teaches students to live as follows:

- Act with integrity and personal accountability as they lead others to succeed in a diverse and global workforce;
- Engage civic and social concerns in the community, government, and society;
- Graduate prepared to excel in post-secondary options and career pathways;
- Make decisions that promote positive social, emotional, and physical health
- Value the role of the military and other service organizations.

With the school's support, the Corps of Cadets program achieves these goals by using a world-class student-centered curriculum. The curriculum consists of education in citizenship, leadership, social and communication skills, physical fitness and wellness, geography, and civics which contribute directly to "life-long" skills. The curriculum is facilitated and taught by retired Army personnel. Military Science Instructors qualifications are based on military experience, maturity, stability, and leadership acquired over 20 years of service to our nation. Corps of Cadets is a successful program, making substantial contributions to students, schools, and communities.

Cadets are required to maintain the conduct and academic standards established in school policy and cadet command regulations.
There are fees associated with this program, which are published in the syllabus.
Refer to www.usarmyjrotc.com for additional information.

CORPS Level 1: Leadership Education & Training I, PE or Elective, 0.5-1 credit
Grade Level(s): 9-12
Prerequisite(s): None.
Notes: This course will satisfy Physical Education or elective graduation requirements. This course requires the student to wear the OCP/ACU uniform once per week. Advancements in class rank are based on performance and demonstrated leadership ability and academics.

This course provides an introduction to leadership. Emphasis is placed on the primary role of the follower. Additional emphasis is given to self-discipline, patriotism, and physical fitness, service learning and self-awareness. Classes in marksmanship safety, skills assessment, and introduction to effective communications and study methods are included.

CORPS Level 2: Leadership Education & Training II, 0.5-1 credit
Grade Level(s): 10-12
Prerequisite(s): Leadership Education & Training I (CORPS- 1). Instructor approval.
Notes: This course will satisfy elective graduation requirements. This course requires the student to wear the OCP/ACU uniform once per week. Advancements in class rank are based on performance and demonstrated leadership ability and academics.

This course provides intermediate leadership development including practical exercises in developing leadership abilities. There will be a continuation of classes in marksmanship, safety, first aid, and map reading. In addition, primary emphasis will be placed on developing the student's communication skills and small group leadership development.

COPRS Level 3: Leadership Education & Training III, 0.5-1 credit

Grade Level(s): 11-12
Prerequisite(s): Leadership Education & Training II (CORPS- 2). Instructor approval.
Notes: This course will satisfy elective graduation requirements. This course requires the student to wear the OCP/ACU uniform once per week. Advancements in class rank are based on performance and demonstrated leadership ability and academics.

This course is the application of leadership development. The student continues to develop leadership abilities through case studies in leadership, examining individual and group behavior, influences of social and economic environment, and methods or techniques for developing teamwork. Psychology of leadership is also stressed.

Cadets selected for Command and Staff positions gain an opportunity to practice management analysis and concepts through the study of people, money, time, material, and space as they relate to leadership variables and principles. It also prepares them to present executive level briefings using available technology and presentation software.

CORPS Level 4: Leadership Education & Training IV, 0.5-1 credit

Grade Level(s): 12
Prerequisite(s): Leadership Education & Training III (CORPS- 3). Instructor approval.
Notes: This course will satisfy elective graduation requirements. This course requires the student to wear the OCP/ACU uniform once per week. Advancements in class rank are based on performance and demonstrated leadership ability and academics.

This course is the application of advanced leadership with emphasis on demonstrated ability to present and critique classroom material and to prepare lesson plans as a teacher assistant. Also, the ability to apply the problem solving/decision making process while performing command and staff functions will be emphasized.

Cadets selected for Command and Staff positions gain an opportunity to practice management analysis and concepts through the study of people, money, time, material, and space as they relate to leadership variables and principles. It also prepares them to present executive level briefings using available technology and presentation software.