

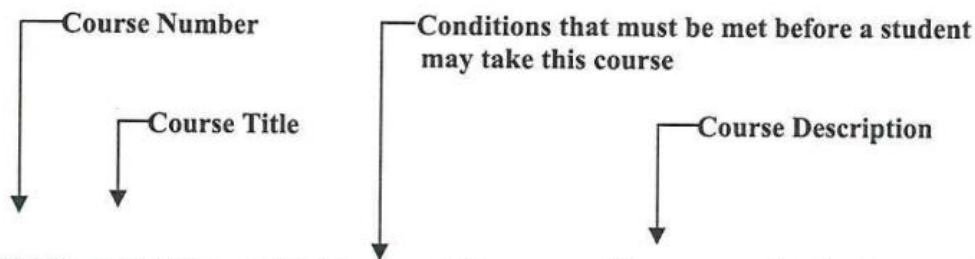


Desert Junior-Senior High School Course Catalog

Desert Junior High School offers a comprehensive schedule of core academic courses along with a variety of elective courses designed to provide students with opportunities to prepare for post-high school academic and career goals. All approved courses are listed below, however actual course offerings in a particular school year will depend on student demand and instructor availability for each course. Note: This document is being revised and updated.

Using this Course Catalog

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2001 English 7 Prerequisite(s): none. This course will encourage the development of language competence in English usage and in writing essays, reports, and creative pieces and will help students develop the ability to assess various forms of information and to evaluate them critically. Students will develop an appreciation of our literacy heritage and a familiarity with works of literature and emphasize effective individual and group learning skills. A required academic research paper will build library skill and develop higher order reading comprehension skills. The course is also designed to develop various oral language skills to ensure purposeful communication to specific audiences.

English

2001 English 7 - *Prerequisites: none* - This is the foundation course for all English courses to follow, English 7 will focus on language mechanics, grammar, writing, speaking, vocabulary, spelling, listening and critical thinking skills. The course is grammar based and will use the study of grammar to provide opportunities for students to hone their skills in writing through response to literature book, critique and creative writing.

2005 English 8 - *Prerequisites: successful completion of English 7* - This is a literature-based course with in-depth attention given to organizational skills, language mechanics, grammar, writing, speaking, vocabulary, spelling, listening and critical thinking skills. Learning activities include writing weekly journals, peer editing using a holistic rubric, daily oral language exercises, writing various styles of compositions, writing book reports, writing mini research papers, and giving visual and oral presentations. Students have a four-hour per week outside reading requirement. Students are encouraged to read Newberry Award Honor books in addition to parent approved, selected novels of their choice.

2006 Honors English 7 - *Prerequisite: One of three and Teacher Recommendation: A or B in previous English course; proficient scores on ELA benchmarks; or 6th CAASPP: "Met" (2531–2617)* - Honors English 7 is designed for students to read texts from different angles, including works by contemporary authors. Students also write research essays about information they have read and develop their skills of argumentation. Students should possess stronger language, analytic skills in multi-paragraph writing and there is a need for student independence with study skills and time management.

2007 Honors English 8 - *Prerequisite: One of three and Teacher Recommendation: A, B, or C in Honors English 7; or A or B in English 7; Proficient scores on English department benchmarks (both semesters); or 7th CAASPP: "Met" (2552–2648)* - This course will develop and enhance students' language arts strengths in critical and creative thinking, through advanced writing and literature analysis.

Social Studies

2101 World History 7 - *Prerequisites: none* - This is a traditional survey course that reviews the major events that shaped world history. Beginning with the Roman Empire, students study the countries, cultures and events that have shaped the world we live in today.

2105 United States History 8 - *Prerequisites: successful completion of World History 7* - Students in this course will study American history from the age of discovery and exploration to 1880. There is a major focus on the development of the U.S. Constitution and the formation of our government. Other areas of study include colonization, the Revolutionary War, the westward movement, the Indian Wars, and the Civil War.

Mathematics

2201 Math Connections 7/8 - *Prerequisites: none* - This is an entry-level mathematics course that utilizes traditional and computer-assisted instruction to teach those skills that are prerequisite to success in future math classes. Content areas include: number operations using whole numbers, fractions, decimals, percentages and integers; statistical analysis including graph reading and interpretation, stem and leaf plots, line plots, box and whisker plots, calculation of range, mode, mean and median; geometric terms and formulas; and problem solving strategies.

2202 Math 7/8 - *Prerequisites: none* - This is an entry-level mathematics course that utilizes traditional and computer-assisted instruction to teach those skills that are prerequisite to success in future math classes. Content areas include: number operations using whole numbers, fractions, decimals, percentages and integers; statistical analysis including graph reading and interpretation, stem and leaf plots, line plots, box and whisker plots, calculation of range, mode, mean and median; geometric terms and formulas; and problem solving strategies.

2204 Accelerated 7/8 - *Prerequisite: "B" grade in both semesters of Math 6, recommendation from the Math Teacher and 75th percentile on standardized testing* - This course covers operations using real numbers, simplification of expressions, solutions of linear equations and inequalities, factoring, and word problems applications. This course is designed to prepare the student for success in Algebra 1, and using a variety of instructional modes in presenting the course content.

2207 Algebra 7/8 - *Prerequisites: "C" grade in both semesters of Accelerated 7 or Math 8 and recommendation from Math Department* - This course is the equivalent of high school Algebra 1. Algebra 8 will be presented as a symbolic language. Topics include the four operations on real numbers, solution of linear equations and inequalities, factoring of polynomials, operations on irrational numbers and solutions of quadratic equations. There is an extensive exposure to various types of word problems.

2213 Honors Geometry - *Prerequisite: "B" grade in both semesters of Algebra 1 and recommendation from the Math Department* - This is a college-preparatory course following Algebra 1. The course is designed to enhance and develop reasoning powers through a program of proofs and application. Specific course content will include: extension of algebraic skills, basic postulates and proofs of Euclidean Geometry and geometric theorems, application of formulas for perimeters, areas, volumes and surface areas of geometric figures, geometric constructions, locus and coordinates.

Science

2301 Science 7 - *Prerequisites: none* - This course focuses on the living component of Earth and the interactions between species and the environment. Students will perform hands-on laboratory assignments that will form a strong scientific background for future studies. In addition, material presented will explore and emphasize the conflict between our use of the Earth's resources and ongoing efforts to preserve a natural, healthy habitat for all living organisms.

2305 Science 8 - *Prerequisites: successful completion of Science 7* - This course focuses on physical science and is a hands-on program that fosters student curiosity and interest in science. Course content begins with the basic principles of chemistry and physical science as they apply to the world around us.

Physical Education

1403 Air Force JROTC Aerospace Science I/ PE - This course is for students entering their 1st year as AFJROTC cadets. The curriculum will comprise the following areas: Wellness Program: Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. PE credit is awarded for this AFJROTC courses and this course spends approximately 40% of the class time on wellness, physical training (PT), and drill. Aerospace Science (AS): AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry and survival. Leadership Education (LE): LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill and ceremonies. Drill and Ceremonies is offered as a part of the Leadership Education phase of a given course and uniform wear is a requirement of the course.

2401 Physical Education 7/8 - *Prerequisites: none* - Physical Education consists of instruction in the areas of skill techniques, drills (individual and group), lead-up games and actual playing experience. The rules of the game and emphasis on good sportsmanship and working as a team are emphasized. Both team and individual activities are offered such as football, volleyball, archery, golf, pickle ball, soccer, and football. Physical fitness is an integral part of the curriculum.

Electives

1966 Game Design 1 - *Prerequisites: 8th Grade Only* - This course is an introduction to the fundamental techniques, concepts, vocabulary and history of game design. Students will design original non-digital prototypes and games, using iteration of playtesting and best practices; identify, examine and differentiate various aspects that make game fun and compelling.

2901 Art 7/8 - *Prerequisites: none* - Students will study the basics of art terms and concepts including color, design, drawing, painting and how art relates to society.

2902 Choir 7/8 - *Prerequisites: none* - Student explore choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music

theory, and music history. Students in choir are expected to participate in one evening concert each quarter as a major part of their grade.

2903 Beginning Band 7/8 - *Prerequisites: none* - This class is designed primarily for students who are new to a particular band instrument. The instruments generally available are Flute, Clarinet, Saxophone, Trumpet, Trombone, and Percussion. Students are given the opportunity to try the different instruments before they choose one to focus on.

2904 Intermediate Band 7/8 - *Prerequisites: none* - Students will develop basic and intermediate music skills through the study of representative band literature. Opportunities for ensemble playing will be provided. The band will perform several concerts during the school year.

2913 Drama 7/8 - *Prerequisites: none* - This is a class for beginning drama students to learn the basics of theatre. The curriculum will include Improvisation, Pantomime, Voice and Diction, Acting, Types and Styles of Drama, Theatre History, Production and Technical Theatre. The class teaches terminology and basic stage direction. Students will be required to participate and interact among classmates as well as plan on active movement daily. Memorization of acting pieces outside of class will be a requirement for this course.

2930 Spanish 8 - *Prerequisites: "B" grade or better in both semesters of English 7, Teacher Recommendation, 75th* language communication and emphasizes pronunciation and intonation. Students will be introduced to reading and writing in Spanish while studying the cultural diversity of the many Spanish-speaking countries in the world. Students practice the correct use of basic language structure while developing an appreciation for the customs and traditions related to family life, school, sports and the economy.

0004 JH AVID - *Prerequisites: AVID Application Process.* Advancement Via Individual Determination (AVID) courses typically cover topics such as note-taking, organization, inquiry, writing, and time-management. AVID courses present students with the opportunity to gain additional tutoring and support to take college preparation courses to make them eligible for entry into a four-year college upon graduation.

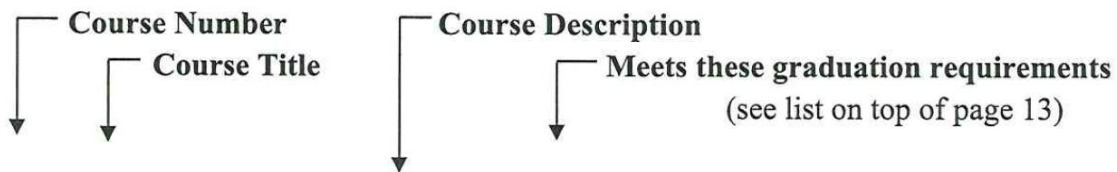


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1001 English 1

[A,O]

English 1 will encourage the development of language competence in English usage and in writing essays, reports, and creative pieces and will help students develop the ability to assess various forms of information and to evaluate them critically. Students will develop an appreciation of our literacy heritage and a familiarity with works of literature and emphasize effective individual and group learning skills. A required academic research paper will build library skill and develop higher order reading comprehension skills. The course is also designed to develop various oral language skills to ensure purposeful communication to specific audiences.

Length: one year

Credits: 10

Grade: 9

Prerequisite(s): none.

↑
Conditions that must be met before a student may take this course

English

1001 English I

[A, O]

This course will encourage the development of language competence in English usage and in writing essays, reports, and creative pieces. Furthermore, the course will help students develop the ability to assess various forms of information and to evaluate them critically. Students will develop an appreciation of our literary heritage and a familiarity with works of literature, along with developing individual- and group-learning skills. A required academic research paper will build library skill and develop higher-order reading comprehension skills. The course is also designed to develop various oral language skills to ensure purposeful communication to specific audiences.

Length: One year

Credits: 10

Grade: 9

Prerequisite(s): None

1003 Honors English I

[A, O]

This course is designed to provide enriched experiences in various forms of literature, composition, research, speech and vocabulary development. It includes an intense study of advanced concepts in English grammar. Students must be able to work independently and complete all assignments on time.

Length: One year

Credits: 10

Grade: 9

Prerequisite(s): One of three: A, B, or C in Honors English 8 or A or B in English 8; Proficient scores on English department benchmarks (both semesters) or PSAT (AP recommendation); or 8th CAASPP: "Met" (2567-2667)

1005 English 2

[A, O]

This class is based on an integrated literature-based program. Writing techniques, spelling, vocabulary and grammar are generated from the literary selection. Ample opportunities are provided for interpretation, personalization and application of information. A research paper and book reports are required.

Length: One year

Credits: 10

Grade: 10

Prerequisite(s): Student must have passed both semesters of "English I" or "Honors English I"

1007 Honors English 2

[A, O]

This course is designed to provide instruction in the major skill areas of speaking and listening, academic research, higher- reading comprehension, language usage, writing, literary analysis and critical thinking. This program is literature-based, integrating grammar and vocabulary. Students must be able to work independently and complete all assignments on time and are expected to maintain a grade of "B" or higher during the first semester to remain in the class for the second semester.

Length: One year

Credits: 10

Grade: 10

Prerequisite(s): One of three: A, B, or C in Honors English I or A or B in English I; Proficient scores on English department benchmarks (each semester) or PSAT (AP recommendation); or 8th CAASPP: "Met" (2567-2667)

1009 English 3

[A, O]

This course emphasizes refinement of composition skills ranging from paragraph to research papers and includes the study of advanced grammar skills. The course also stresses vocabulary building using words incorporated within literature units and deals with a comprehension of and an appreciation for the various literary genres produced by American writers. Book reports and a research paper are mandatory.

Length: One year

Credits: 10

Grade: 11

Prerequisite(s): Student must have passed both semesters of "English II" or "Honors English II"

1011 Honors English 3

[A, O]

This is a fast-paced, independent, project-oriented class that emphasizes critical reading of American literature and writing frequent, individualized research projects. A heavy emphasis is placed on vocabulary. Students must be able to work independently and complete all assignments on time. Students are expected to maintain a grade of "B" or higher during the first semester to remain in the class for the second semester.

Length: One year

Credits: 10

Grade: 11

Prerequisite(s): One of three: A, B, or C in Honors English II or AP Seminar or A or B in English II; Proficient scores on English department benchmarks (both semesters) or PSAT (AP recommendation); or 8th CAASPP: "Met" (2567-2667)

1012 Advanced Placement English Language

[A, O]

This course is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, style. Students are expected to take the AP Language exam in May or enroll in dual credit options.

Length: One year Credits: 10 Grades: 11

Prerequisite(s): One of three: A, B, or C in Honors English II or AP Seminar or A or B in English II; Proficient scores on English department benchmarks (both semesters) or PSAT (AP recommendation); or 8th CAASPP: "Met" (2567-2667)

1013 English 4 [A, O]

This course will increase and refine communication skills of the high school senior. The course focuses on the study of British literature. Vocabulary and composition will be incorporated in many daily lessons and assignments. Students will be expected to complete all major projects (e.g. research projects, book reports, debates) on time.

Length: One year Credits: 10 Grade: 12

Prerequisite(s): Student must have passed both semesters of "English III," "Honors English III," or "AP Language."

1015 Advanced Placement English Literature [A, O]

This course is an introductory college-level literary course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. Students are expected to take the AP Literature exam in May or enroll in dual credit options.

Length: One year Credits: 10 Grades: 12

Prerequisite(s): One of three: A, B, or C in AP Language & Composition or A or B in English III (both semesters); AP Language exam score of "2" or higher; or 11th CAASPP: "Met" (2583–2681) or "Exceeded" (2682–2795) standard.

1969 Speech & Debate [A, O]

In this speech course for transfer to four-year institutions, students learn to make effective oral presentations by gathering and selecting information, arranging materials, analyzing audience and occasion, and controlling expression and delivery.

Length: One year Credits: 10 Grades: 12

Prerequisite(s): Recommendation from the English department.

1112 AP Seminar [A, O]

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

Length: One year Credits: 10 Grades: 10-12

Prerequisite(s): Recommendation from the English department.

Social Studies

1101 World Geography [B, O]

This course develops the basic themes of physical geography, including location, place, human-environment interaction, movement and region. Additional topics include landscape and topography, the patterns and processes of climate, weather and water resources. Students will develop a sense of where major physical features of the earth are located. Students normally take "Health/First Aid" (1601) in conjunction with this semester course.

Length: One semester Credits: 5 Grade: 9 Prerequisite(s): None

1103 World Studies [C, O]

Students examine the significant people and major events responsible for shaping the modern world from the late 18th century to the present. The course begins with an introduction to current world issues and continues with a focus on

the expansion of the West and the growing interdependence of people and cultures throughout the world.

Length: One year

Credits: 10

Grade: 10

Prerequisite(s): None

1105 United States History

[D, O]

The course begins with a selective review of U.S. history. Students will examine the major turning points in American history in the 20th century as they reflect both continuity and change from the nation's beginnings. Some of the themes stressed: change in the role of the federal government; tensions between the individual and the state and between minority rights and majority power; changes in the economy and the impact of technology on American society and culture; change in the ethnic composition of our society; movements toward equal rights for minority groups and women; and the role of the United States as a major world power.

Length: One year

Credits: 10

Grade: 11

Prerequisite(s): None

1107 AP United States History

[D, O]

This course is an introductory college-level US History course. Study the cultural, economic, political, and social developments that have shaped the United States from c. 1491 to the present. Students will analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

Length: One year

Credits: 10

Grades: 11

Prerequisite(s): Recommendation from the History department.

1108 AP Human Geography

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).

Length: One year

Credits: 10

Grades: 9

Prerequisite(s): Recommendation from the History department.

1109 Government

[E, O]

Students will study the major concepts of political science, gain an understanding of our nation's judicial system and develop an appreciation for ethical considerations supported by American society. Students will learn several ways to solve problems, make decisions and participate as effective citizens of the United States. This course is taken in conjunction with "Economics" (1111) listed below.

Length: One semester

Credits: 5

Grade: 12

Prerequisite(s): None

1110 AP Comparative Government

[E, O]

This course is an introductory college-level Government course. Students are introduced to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States.

Length: One year

Credits: 10

Grades: 12

Prerequisite(s): Recommendation from the History department.

1111 Economics

[F, O]

In this one-semester course, students will deepen their understanding of the economic institutions and conditions of the nation and world in which they live. They learn to make reasoned decisions regarding economic issues and add to their economic understanding of measurement concepts and the mathematical equations they represent. Students learn about alternatives to the market system and are introduced to micro-economics and macro-economics. This course is taken in conjunction with "Government" (1109) listed above.

Length: One semester

Credits: 5

Grade: 12

Prerequisite(s): None

1113 Advanced Placement European History [O]

This course is an introductory college-level European History course. Students study the cultural, economic, political, and social developments that have shaped Europe from c. 1450 to the present. Students analyze texts, visual sources, and other historical evidence and write essays expressing historical arguments.

Length: One year Credits: 10 Grades: 10-12
Prerequisite(s): Recommendation from the History department

1121 Psychology

[O]

Provides a broad general overview of major psychological principles with a focus on the scientific study of human development, learning, motivation and personality. Students will apply certain theories in psychology to everyday life as well as understand the role of theory in psychology and interpret behaviors that are characteristic of "normal" and "abnormal" human activity. Students will study the contributions of major scholars and become aware of the various careers associated with the field of psychology.

length: One year Credits: 10 Grades: 10-12

Prerequisite(s): None

1961 History Thru Film

[O]

This course offers students a unique way to view American history through the Hollywood lens. Through film analysis, students will gain a new insight into the historical events from American Revolution through recent US History. This course will require grade level composition work, honing student writing and revision skills as they write reaction and analysis papers to films viewed in class. In addition, to learning the historical accounts, students will explore character development, conflict, theme, symbolism, foreshadowing, and geographical/social/cultural settings.

Length: One year Credits: 10 Grades: 10-12 Prerequisite(s): None

1962 Sociology

[O]

An elective course centered on the behavior of people in groups. Topics included are socialization, institutions, social interaction, social change, collective behavior, and competition in society. Activities include library research, group activities and simulations, as well as standard testing.

Length: One year Credits: 10 Grades: 10-12 Prerequisite(s): None

1114 AP World History Modern

[C, O]

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use 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 throughout 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.

Length: One year Credits: 10 Grades: 10

Prerequisite(s): Recommendation from the History department.

Mathematics

1204 Pre-Algebra

[G,O]

This course covers operations using real numbers, simplification of expressions, solutions of linear equations and inequalities, factoring, graphing and word-problem applications. This course is designed to prepare the student for success in "Algebra I" by using a variety of instructional modes in presenting the course content.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Successful completion of "General Math" or equivalent math skills.

1208 Applied Algebra & Geometry

[G,O]

Students in this course will learn to apply the principles of algebra and geometry to everyday applications. Following an extensive review of basic arithmetic skills, practical applications of algebraic and geometric formulas are explored. This course is for students who need a third year of math to complete their math requirement for graduation and/or who require preparation to pass the California High School Exit Exam.

Length: One year Credits: 10 Grades: 11-12

Prerequisite(s): Successful completion of two high school math courses, including "Algebra 1."

1209 Algebra 1

[G,O]

Algebra I will be presented as a symbolic language. Topics include the four operations on real numbers; solution of linear equations and inequalities; factoring of polynomials; operations on irrational numbers; and solutions of quadratic equations. There is an extensive exposure to various types of word problems.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Grade of "C" or better in each semester of "Pre-Algebra."

1211 Geometry

[G,O]

This is a college-preparatory course following "Algebra I." The course is designed to enhance and develop reasoning powers through a program of proofs and application. Specific course content will include: extension of algebraic skills; basic postulates and proofs of Euclidean Geometry and geometric theorems; application of formulas for perimeters, areas, volumes and surface areas of geometric figures; geometric constructions; locus; and coordinates.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Grade of "C" or better in both semesters of "Algebra 1."

1212 Honors Geometry

[G,O]

This is a college-preparatory course following Algebra I. The course is designed to enhance and develop reasoning powers through a program of proofs and application. Specific course content will include: extension of algebraic skills, basic postulates and proofs of Euclidean Geometry and geometric theorems; application of formulas for perimeters, areas, volumes and surface areas of geometric figures; geometric constructions; locus; and coordinates. This course involves a more detailed expansion of the topics covered in Geometry.

Length: one year Credits: 10 Grades: 9

Prerequisite(s): Grade of "B" or higher in both semesters of "Algebra 1" and recommendation from Math Department.

1213 Algebra 2

[G,O]

This course stresses real-life applications. Course content includes simplification of algebraic expressions; fractional exponents and radicals; absolute value and inequalities; operations and polynomials; quadratic equations; completion of the square; quadratic formula; properties of root; complex numbers; conics; quadratic inequalities; graphing linear and quadratic functions; determination and interpretation of slope; systems of linear equations with two and three unknowns; polynomial equations; exponential and logarithmic functions and equations; series; probability; and word problems. This course should be taken prior to a student attempting the SAT or ACT college-admission exams.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Grade of "C" or better in both semesters of "Geometry."

1215 Pre-Calculus/Trigonometry [G,O]

This is the fourth course in a series of math classes preparing students for college-level academics. It involves an expansion of study areas from previous years, including units on series and sequence; probability; theory of equations and complex numbers; exponents and logs; trig graphs and identities; right and oblique triangle applications; conics; vectors; and matrices.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Grade of "C" or better in both semesters of "Algebra 2."

1216 Honors Pre-Calculus/Trigonometry [G, O]

This course is designed to enhance the understanding of advanced math concepts leading into AP Calculus AB. It is the fourth year of high-school math preparing students for college-level mathematics. The course involves a more detailed expansion of the topics covered in non-honors "Pre-Calculus Trigonometry" (1215).

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Grade of "B" or better in both semesters of "Algebra 2" and recommendation from the math dept.

1217 Advanced Placement Calculus AB [G, O]

A course in introductory calculus with elementary functions intended for students who have a thorough knowledge of college- prep mathematics including algebra, geometry, trigonometry, and analytic geometry. Students will learn the fundamental theorems of Calculus as well as derivatives, integrals and various applications. Students are expected to maintain a grade of "C" or better during the first semester to remain in the class for the second semester and recommend they take the AP Calculus exam in May.

Length: One year Credits: 10 Grades: 11-12

Prerequisite(s): Grade of "B" or better in both semesters of "Pre-Calculus/Trigonometry" or "Honors Pre-Calculus-Trigonometry" and recommendation from the math department.

1219 Statistics [G, O]

This course is an introduction to finite mathematics and its applications for students in the management, social, behavioral, and biomedical sciences, as well as other applied fields and general liberal arts studies. Topics include Financial Math, Matrices, Linear Programming, Probability and Statistics, Markov Chains, and Game Theory.

Length: One year Credits: 10 Grade: 12

Prerequisites: Grade of C- or better in both semesters of Algebra 2

1236 Advanced Placement Statistics [G, O]

This is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are expected to maintain a grade of "C" or better during the first semester to remain in the class for the second semester and recommend they take the AP Stats exam in May.

Length: One year Credits: 10 Grades: 12

Prerequisite(s): Grade of "B" or better in both semesters of "Pre-Calculus/Trigonometry" or "Honors Pre-Calculus-Trigonometry" and recommendation from the math department.

Science

1302 Earth Science [H, O]

This course focuses on the study of space, geologic structures and forces, the waters on our planet, and the atmospheric forces that shape our world. Students learn about scientific inquiry, geologic time, space exploration, the solar system, and the universe. It does not meet UC/CSU requirements for laboratory science credits.

Length: One year Credits: 10 Grade: 9 Prerequisite(s): none.

1305 Biology [I, O]

Biology is a college-preparatory laboratory class. It is designed to promote an appreciation of living organisms, an understanding of the nature of scientific inquiry, and a understanding of the balance of nature and man's impact on

that balance. The course covers the biosphere, matter and energy, cells, basic genetics, and the animal, plant, protist, prokaryote and fungi kingdoms. Emphasis is placed on developing and improving observation and study skills, note taking and notebook- organizing skills, and various laboratory techniques. An extensive science fair project is required. Biology meets the UC/CSU requirements for laboratory science credits and is aligned with the California Science Standards.

Length: One year

Credits: 10

Grade: 10

Prerequisite(s): Grade of "C" or better in both semesters of "Physical Science" or "Life Science" and enrollment in Algebra I or above.

1307 Anatomy & Physiology

[I, O]

This course is designed for students who are interested in furthering their study of the biological sciences. The course is an in- depth study of human cells, tissues, bones, muscles, the chemical basis for life, special senses, and blood and the heart. Throughout this course, students will develop an awe and respect for the structure and function of the human body. The basic philosophy of the course is to prepare the student for the caliber of instruction encountered in a college environment. Lecture, various laboratory exercises and a seven-week dissection unit will be used to present the concepts. An extensive science fair project is required as well as a research paper for the final. Anatomy & Physiology meets the UC/CSU requirements for laboratory science credits and is aligned with the California Science Standards.

Length: One year

Credits: 10

Grades: 10-12

Prerequisite(s): Grade of "C" or better in both semesters of "Biology."

1309 Chemistry

[H, O]

This course studies the composition, structure and properties of matter in addition to the changes matter can undergo. The scientific method is employed in the lab to solve problems and test hypotheses. Extensive Science Fair projects are required. Chemistry meets UC/CSU requirements for laboratory science credits and is aligned with the California Science Standards.

Length: One year

Credits: 10

Grades: 11-12

Prerequisite(s): Grade of "C" or better in both semesters of "Biology" AND enrollment in Algebra 2 or above.

1311 AP Chemistry

[H, O]

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

Length: One year

Credits: 10

Grades: 11-12

Prerequisite(s): Students should have successfully completed a general high school chemistry course and Algebra II (College Board).

1313 Physics

[H, O]

This algebra-based course studies the nature of, and relationships between matter and energy. Specifically, Newtonian physics, sound, electromagnetic radiation, electricity and magnetism are addressed. Extensive Science Fair projects are required. Physics meets UC/CSU requirements for laboratory science credits and is aligned with the California Science Standards.

Length: One year

Credits: 10

Grades: 11-12

Prerequisite(s): Grade of "C" or better in both semesters of (or concurrent enrollment in) "Pre-Calculus/Trigonometry" and a grade of "C" or better in both semesters of one of the following: "Chemistry," "Biology" or "Anatomy."

1315 AP Physics 1: Algebra-Based

[H, O]

AP Physics 1 is an algebra-based, 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, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound.

Length: One year

Credits: 10

Grades: 11-12

Prerequisite(s): There are no prerequisite courses. Students should have completed Geometry and be concurrently taking Algebra II or an equivalent course. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course itself (College Board).

1318 AP Environmental Science

[H, O]

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

Length: One year Credits: 10 Grades: 11-12

Prerequisite(s): Students should have completed two years of high school laboratory science—one year of life science and one year of physical science (e.g., a year of biology and a year of chemistry). Due to the quantitative analysis required in the course, students should also have taken at least one year of algebra. Also desirable (but not necessary) is a course in earth science (College Board).

1331 AP Biology

[H, O]

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

Length: One year Credits: 10 Grades: 11-12

Prerequisite(s): Students should have successfully completed high school courses in biology and chemistry (College Board).

Physical Education

1401 Physical Education

[J, O]

Physical Education consists of instruction in the areas of skill techniques, drills (individual and group), lead-up games and actual playing experience. The rules of the game and emphasis on good sportsmanship and working as a team are emphasized. Both team and individual activities are offered such as football, volleyball, archery, golf, pickle ball, soccer, and football. Physical fitness is an integral part of the curriculum.

Length: One year Credits: 10 Grades: 9-12 Prerequisite(s): None

Career Technical Education

0153 Introduction to Professional Theatre

[...]

This course introduces the variety of careers in professional theater. Students will study a range of professional models from Broadway to regional to community theatre to identify established practices and basic competencies required to create professional theatre.

Length: One year Credits: 10 Grades: 9-12 Prerequisite(s): None

1054 Intermediate Professional Theatre

[...]

This course will build on the foundational skills in a variety of technical and performance disciplines to create project-based live performances in theatre and musical theatre. Students will explore portfolio preparation for live and film/video performance. Students will also be introduced to the business/managerial careers associated with live theatrical performance.

Length: One year Credits: 10 Grades: 9-12
Prerequisite(s): Grade of "C" or better in both semesters of Introduction to Professional Theatre

0155 Advanced Professional Theatre

[...]

This course will apply skills theatrical performance to create project-based performances in theatre, musical theatre, film and video production. Students will prepare audition or direction portfolios, learn business/managerial skills, and develop a professional career plan.

Length: One year Credits: 10 Grades: 9-12
Prerequisite(s): Grade of "C" or better in both semesters of Intermediate Professional Theatre

0156 Introduction to Stage Technology [...]

This course introduces the techniques and processes involved in stage management, prop construction, lighting, the setup and operation of sound systems, and the operation of projection equipment. The program develops basic construction techniques for stage property and scenery; affords practice in stage crew work, which includes the erection and striking of scenery; and provides an overview of related occupations in radio and television.

Length: One year Credits: 10 Grades: 9-12 Prerequisite(s): None

1057 Intermediate Stage Technology [...]

This course will train students in the use and management of the various elements of technical production during a dance, music, or theatrical performance. These elements include the rigging and movement of sets, scenery, and lighting equipment, the use of computerized switching systems for lighting and sound, the management and distribution of stage properties, etc. Students will also be taught to manage the complex support tasks that are involved in a performance. They will explore apprenticeship, higher education options career training, and professional placement. 1058 Advanced Stage Technology.

*Length: One year Credits: 10 Grades: 9-12
Prerequisite(s): Grade of "C" or better in both semesters of Introduction to Stage Technology*

1058 Advanced Stage Technology [...]

This course will train students in the use and management of the various elements of technical production during a dance, music, or theatrical performance. These elements include the rigging and movement of sets, scenery, and lighting equipment, the use of computerized switching systems for lighting and sound, the management and distribution of stage properties, etc. Students will also be taught to manage the complex support tasks that are involved in a performance. They will explore apprenticeship, higher education options career training, and professional placement. 1058 Advanced Stage Technology.

*Length: One year Credits: 10 Grades: 9-12
Prerequisite(s): Grade of "C" or better in both semesters of Intermediate Stage Technology*

0200 Introduction to System Diagnostics, Service, and Repair [...]

This introductory course will offer first year students a unique perspective of the skills and knowledge required for an entry level position in the systems diagnostics, service, and repair of vehicles of the twenty first century. The instruction will concentrate on but will not limited to the fundamentals of shop safety, tool identification and proper use along with basic repairs and maintenance of modern vehicles.

Length: One year Credits: 10 Grades: 9-12 Prerequisite(s): None

0201 Intermediate Systems Diagnostics, Service, and Repair [...]

This concentrator level course provides more specific areas of focus such as system diagnosis, advanced service, maintenance, and repair. The instruction will also concentrate on support systems such as engine performance, braking, steering, cooling, and electrical/electronic components. The student will also be exposed to transmissions and differentials.

*Length: One year Credits: 10 Grades: 9-12
Prerequisite(s): Grade of "C" or better in both semesters of Introduction to Systems Diagnostics, Service, and Repair*

0202 Advanced Systems Diagnostics, Service, and Repair [...]

This capstone level course will provide students with the opportunity to function in a variety of roles within this pathway. Students will demonstrate competency in the skills and knowledge acquired in introductory and concentration level courses. Students will participate in work-based learning opportunities which can lead to internships. Students that successfully complete the course of study will qualify for industry recognized certifications. Upon completion of this course, students will be prepared for an entry level position at a vehicle repair facility.

*Length: One year Credits: 10 Grades: 9-12
Prerequisite(s): Grade of "C" or better in both semesters of Intermediate Systems Diagnostics, Service, and Repair*

1966 Game Design 1

[O]

This course is an introduction to the fundamental techniques, concepts, vocabulary and history of game design. Students will design original non-digital prototypes and games, using iteration of playtesting and best practices. Identify, examine and differentiate various aspects that make game fun and compelling.

Length: One year Credits: 10 Grades: 8-12 Prerequisite(s): None

1967 Game Design 2

[O]

Students expand their knowledge of the game design industry while mastering event-driven game development through a series of interactive projects. By the end of the course, students will have a variety of polished games for their game-development portfolios.

Length: One year Credits: 10 Grades: 9-12
Prerequisite(s): Grade of "C" or better in both semesters of "Game Design I" and recommendation from instructor.

Fine/Performing Arts

1501 Drama

[K, O]

This is a class for beginning drama students to learn the basics of theatre. The curriculum will include Improvisation, Pantomime, Voice and Diction, Acting, Types and Styles of Drama, Theatre History, Production and Technical Theatre. The class teaches terminology and basic stage direction. Students will be required to participate and interact among classmates as well as plan on active movement daily. Memorization of acting pieces outside of class will be a requirement for this course.

Length: One Year Credits: 10 Grades: 10-12 Prerequisites: None

1502 Advanced Drama

[K, O]

This is a class for intermediate to advanced acting students, depending on their levels of experience. It includes a large amount of cooperative learning activities and creative writing and visual presentations, a history of film and television as well as acting. The visual presentations are mostly done on poster boards with art supplies of the student's choice. It is geared towards combining the curriculum with the students' creativity. The advanced acting students will focus primarily on acting technique, with the main one being Stanislavski. Other techniques taught are Meisner and Cohen. Memorization of materials for monologues and scenes will be required outside of class time.

Length: One Year Credits: 10 Grades: 10-12

Prerequisite(s): Grade of "C" or better in both semesters of Drama

1503 Art

[K,O]

This course is designed to give an overview of art history, cultural arts and selected master artists. In addition, the class requires a strong "hands on" component as students express themselves through various mediums, including charcoal, pastel, water color, clay, copper, colored pencils, markers, India ink and conte crayon. Art terminology and the proper use of and care for art supplies will be covered.

Length: One year Credits: 10 Grades: 9-12 Prerequisite(s): None

1505 Advanced Art

[K, O]

Building upon the skills developed in the introductory art course, students are given the opportunity to work in specific areas of interest, including introduction to art-related careers. Individual experimentation is encouraged, as well as participating in various contests designed to challenge creativity and the ability to meet professional deadlines.

Length: One year Credits: 10 Grades: 10-12

Prerequisite(s): Grade of "C" or better in both semesters of "Art."

1506 AP Studio Art

[K, O]

This course is an introductory college-level Studio Art course. Students refine and apply skills and ideas they

develop throughout the course to produce drawings. This is the core document for the Art and Design courses. It clearly describes portfolio requirements, course goals, approaches to assessment, and the AP program in general. Students are expected to maintain a grade of "C" or better during the first semester to remain in the class for the second semester and recommend they take the AP Studio exam in May.

Length: One year Credits: 10 Grades: 12

Prerequisite(s): Grade of "B" or better in both semesters of "Advanced Art" and recommendation from the art instructor.

1510 Choir

[K, O]

This is a year-long course that explores choral music from a wide variety of cultures and time periods through study and performance. The core curriculum emphasizes the basics of vocal technique, sight-reading, music theory, and music history. Students in choir are expected to participate in one evening concert each quarter as a major part of their grade.

Length: One year Credits: 10 Grades: 9-12 Prerequisite(s): None

1515 Beginning Band

[K, O]

This class is designed primarily for students who are new to a particular band instrument. The instruments generally available are Flute, Clarinet, Saxophone, Trumpet, Trombone, and Percussion. Students are given the opportunity to try the different instruments before they choose one to focus on.

Length: One year Credits: 10 Grades: 9-12 Prerequisite(s): None

1517 Advanced Band

[K, O]

A major emphasis of this course will be to develop advanced skills of musicianship through the study of representative band literature. Opportunities for ensemble playing will be provided. The band will also represent the school at various community functions and area competitions, and students are expected to attend all band functions. Regular class meetings are from 6:45 to 7:45 a.m. each school day.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Previous band experience and audition with teacher.

Foreign Language

1531 Spanish 1

[K, O]

This is an introductory course that emphasizes oral-communication functions useful in the workplace and for travel and emphasizes pronunciation and intonation. The present and immediate future tenses are introduced. This course provides practice of basic language structures and vocabulary and introduces reading and writing the language while studying the cultural diversity of the many Spanish-speaking countries. The course provides practice in the correct use of basic language structure while developing an appreciation for traditions and customs related to family life, school, sports and the economy.

Length: One year Credits: 10 Grades 9-12 Prerequisite(s): None

1533 Spanish 2

[K, O]

A second-year study of the language, this course reviews the vocabulary, grammar and syntax learned in "Spanish I" and expands aural and written comprehension and speaking. It continues to stress correct pronunciation and intonation and helps to develop insights into the life and customs of people in the various countries where the language is spoken.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Grade of "C" or better in both semesters of "Spanish 1."

1535 Spanish 3

[K, O]

This class begins with a review of the vocabulary, grammar and syntax learned in "Spanish I" and "Spanish 2." It expands communication skills using many authentic materials from Hispanic cultures. The remaining important grammatical structures are presented, and "workplace" Spanish is emphasized.

Length: One year Credits: 10 Grades 10-12
Prerequisite(s): Grade of "C" or better in both semesters of "Spanish 2."

1536 Honors Spanish 3

[K, O]

The honors level in Spanish 3 is intended to prepare students for success in Spanish 4 and AP Spanish. Students increase their reading and writing skills while continuing to improve their speaking and listening skills. Knowledge of Spanish grammar is honed and vocabulary acquisition continued.

Length: One year Credits: 10 Grades 10-12
Prerequisite(s): Grade of "C" or better in both semesters of "Spanish 2."

Health and First Aid

1601 Health and First Aid

[M,O]

This course meets all State of California requirements for instruction in personal health, consumer and community health, injury prevention and safety, and in alcohol, tobacco and other drugs awareness. Also included is information on nutrition, environmental health, family living, individual growth and development, and communicable and chronic diseases. This course is typically taken in conjunction with "World Geography" (I 101).

Length: One semester Credits: 5 Grades: 9 Prerequisite(s): None

Air Force Junior ROTC

1403 Air Force JROTC Aerospace Science I/PE

[J,O]

This course is for students entering their 1st year as AFJROTC cadets. The curriculum will comprise the following areas: Wellness Program: Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. PE credit is awarded for this AFJROTC courses and this course spends approximately 40% of the class time on wellness, physical training (PT), and drill. Aerospace Science (AS): AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry and survival. Leadership Education (LE): LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill and ceremonies. Drill and Ceremonies is offered as a part of the Leadership Education phase of a given course and uniform wear is a requirement of the course.

Length: One year Credits: 10 Grades 9-12 Prerequisite(s): None

1405 Air Force JROTC Aerospace Science II/ PE

[J,O]

This course is for students entering their 2nd year as AFJROTC cadets. Cadets will earn a *Certificate of Training* upon completion of this second year. Elective credit is awarded for this AFJROTC courses and the curriculum will comprise the following areas: Wellness Program: Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. This course spends approximately 40% of the class time on wellness, physical training (PT), and drill.

Aerospace Science (AS): AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry and survival. Leadership Education (LE): LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility,

leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill and ceremonies. Drill and Ceremonies is offered as a part of the Leadership Education phase of this course and uniform wear is a requirement. In the ASII block, cadets will be taking on an increasing leadership role to include having a corps duty and serving as project officer for special events.

Length: One Year

Credits: 10

Grades: 10-12

Prerequisite(s): Successful completion of "Air Force JROTC Aerospace Science I I PE"

1935 Air Force JROTC Drill

[J,O]

Drill and Ceremonies. Drill and Ceremonies is offered as a part of the Leadership Education AFJROTC curriculum. It is offered when there is sufficient student interest and may be offered as a zero-period, after school or stand-alone class. The Drill course provides fundamental and in-depth instruction in Air Force drill and ceremonies, to include cadet ability to perform the AFROTC 30-step drill sequence. This course concentrates on military drill precision, movements, reviews, parades, and other ceremonial functions. This course also focuses on improving the ability of the Color Guard, Honor Guard and Drill Teams, preparing them for competition in their respective areas. In order for a student to be enrolled in the JROTC Drill Course they must also be enrolled concurrently in an AS I-IV course. Uniform wear is a requirement of the course. The Drill-only class enrollment does not count toward the AFJROTC Certificate of Training (2 years) or the Certificate of Completion (3 years).

Length: One Year

Credits: 10

Grades: 9-12

Prerequisite(s): Concurrent enrollment in "Air Force JROTC Aerospace Science I, II, III or IV"

1937 Air Force JROTC Aerospace Science II

[J, O]

This course is for students entering their 2nd year as AFJROTC cadets. Cadets will earn a *Certificate of Training* upon completion of this second year. Elective credit is awarded for this AFJROTC courses and the curriculum will comprise the following areas: Wellness Program: Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. This course spends approximately 40% of the class time on wellness, physical training (PT), and drill.

Aerospace Science (AS): AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry and survival. Leadership Education (LE): LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, customs and courtesies, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill and ceremonies. Drill and Ceremonies is offered as a part of the Leadership Education phase of this course and uniform wear is a requirement. In the ASII block, cadets will be taking on an increasing leadership role to include having a corps duty and serving as project officer for special events.

Length: One Year

Credits: 10

Grades: 10-12

Prerequisite(s): Successful completion of "Air Force JROTC Aerospace Science I I PE"

1938 Air Force JROTC Aerospace Science III

[J, O]

This is the course for students entering their 3rd year as AFJROTC Cadets. Cadets will earn a *Certificate of Completion* upon successful completion of this third year. Elective credit is awarded for this AFJROTC courses and the curriculum will comprise the following areas: Leadership Education (LE): LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. Life Skills and Career Opportunities are also taught during this academic year and cadets will develop skills that will prepare them for college and future careers. The leadership education curriculum emphasizes discipline, responsibility, leadership, followership, citizenship, cadet corps activities, study habits, time management, communication skills, career opportunities, life skills, financial literacy, management skills, and drill and ceremonies. In the ASIII block, cadets must take a leadership role in the organization and management of the JROTC corps, to include having a corps duty and serving as project officer for special events or trips. ASIII cadets must serve as role models and mentors for the ASI and II cadets. Drill and Ceremonies is offered as a part of the Leadership Education phase of this course and uniform wear is a requirement.

Aerospace Science (AS). The Exploration of Space is part of the 3rd year. It examines the Earth, Moon and the planets, latest technological advances, and challenges of space exploration and manned space flight. It includes aspects of earth sciences, physics, orbital dynamics and astronomy. The Global Awareness part of the curriculum is a customized block about the world's cultures. It introduces cadets to the world cultures through the study of world affairs, regional studies, languages, culture, political systems, economics, history, and geography.

Wellness Program: Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. Elective credit is awarded for this AFJROTC courses and this course spends approximately 20% of the class time on wellness, physical training (PT), and drill. Aerospace Science (AS): AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry and survival. Drill and Ceremonies (LE): Drill and Ceremonies is offered as a part of the Leadership Education phase of a given course.

Length: One Year

Credits: 10

Grades: 11-12

Prerequisite(s): Successful completion of "Air Force JROTC Aerospace Science II"

1939 Air Force JROTC Aerospace Science IV

[J, O]

This is the course for students entering their 4th and culminating year as AFJROTC cadets. Elective credit is awarded for this AFJROTC courses and the curriculum will comprise the following areas:

Leadership Education (LE): LE is the portion of the AFJROTC curriculum that develops leadership skills and acquaints students with the practical application of life skills. LE includes a block on the Principles of Management, which covers management theory, planning, and organizing. Aerospace Science (AS). In the ASIV block cadets learn how to manage organizations (management of the Corps) and must take a leadership role in the organization and management of the JROTC corps, to include having a corps duty and serving as project officer for special events or trips. ASIII cadets must serve as role models and mentors for the ASI and II cadets. Wellness Program: Wellness is an official and integral part of the Air Force Junior ROTC program. The objective of the Wellness Program is to motivate cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. Elective credit is awarded for this AFJROTC courses and this course spends approximately 20% of the class time on wellness, physical training (PT), and drill. Aerospace Science (AS): AS acquaints students with the elements of aerospace and the aerospace environment. It introduces them to the principles of aircraft flight and navigation, the history of aviation, development of air power, contemporary aviation, human requirements of flight, cultural and global awareness, the space environment, space programs, space technology, rocketry, propulsion, the aerospace industry and survival.

Length: One Year

Credits: 10

Grades: 12

Prerequisite(s): Successful completion of "Air Force JROTC Aerospace Science III"

Leadership

1900 Leadership I

[O, J]

Student government and leadership is a project-based course aimed at increasing students' leadership skills and capabilities. Through planning and executing numerous events for the school, students will discover how to best affect change in their communities. Students will read about and discuss leadership and its different styles. Additionally, students will frequently write and speak -- critically, reflectively, persuasively -- about real world issues that arise from working with others in the planning of events.

Length: One year

Credits: 10

Grades: 9-12

Prerequisite(s): Application and recommendation from leadership Instructor

1907 Leadership II

[O, J]

Student government and leadership is a project-based course aimed at increasing students' leadership skills and capabilities. Through planning and executing numerous events for the school, students will discover how to best affect change in their communities. Students will read about and discuss leadership and its different styles. Additionally, students will frequently write and speak -- critically, reflectively, persuasively -- about real world issues that arise from working with others in the planning of events.

Length: One year

Credits: 10

Grades: 9-12

Prerequisite(s): Application and recommendation/ram leadership Instructor

1926 Leadership III

[O, J]

Leadership class give the student a thorough overview of the qualities of a good leader, while also allowing them to put these skills into practice in the classroom, campus and community settings.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Application and recommendation from leadership Instructor

1947 Leadership IV

[O, J]

Leadership class give the student a thorough overview of the qualities of a good leader, while also allowing them to put these skills into practice in the classroom, campus and community settings.

Length: One year Credits: 10 Grades: 9-12

Prerequisite(s): Application and recommendation from leadership Instructor

1909 Work Experience

[O]

Work Experience offers students a chance to earn elective credit while gaining valuable work experience. Students must find their own jobs, either paid or non-paid, and the job must provide training that will be useful in an occupation in adult life. Students in this program will be expected to complete additional work assigned during the year by the Work Experience Coordinator. No more than 40 units in Work Experience may be used in meeting graduation requirements.

Length: One year Credits: 10 Grades: 11-12

Prerequisite(s): Overall GPA of 2.0, excellent attendance and behavior record for the previous year, instructor permission, and dependable transportation. Student must be in the 11th grade or be at least 16 years old.

6021 Student Assistant

[O]

Student aides work with classroom teachers in the preparation and presentation of lessons. Aides are expected to have excellent attendance and to be self-starters who complete assigned tasks quickly with minimal supervision. Only 20 units of student-aid credit may be used in meeting graduation requirements.

Length: One year Credits: 10 Grades: 11-12

Prerequisite(s): Overall 2.0 GPA, administrative approval and selection by a teacher.