



Course Offerings

SUBJECT AND COURSE REQUIREMENTS

Minimum Semester Credits Required for Graduation – 44, Total Semester Credits Possible – 48 (without summer school)

English Language Arts – 8 semester credits

Grade 9 English – 2 credits

Grade 10 English – 2 credits

Grade 11 English – 2 credits (emphasis on American Literature)

Grade 12 English – 2 credits (selected from a list of English courses)

*English Language Development (ELD) may be used to fulfill the 8 semesters of required English courses.

World Language, Fine, and Practical Arts - 3 Semester credits

Option A:

2 consecutive semesters of one world language and

1 semester of fine or practical arts

Option B:

2 semesters of fine arts and

1 semester of practical arts

Fine Arts-The district's fine arts program includes art, music, drama/theatre arts.

Practical Arts-The district's practical arts program includes courses in College and Career Technical Education, Regional Occupation Program, journalism, and yearbook.

Mathematics - 6 semester credits

Algebra – 2 credits

Geometry – 2 credits

Higher Level, 3rd year math – 2 credits

Science – 6 semester credits

Life Science (Biology) – 2 credits

Physical Science (Physics / Chemistry) - 2 credits

Any additional science course - 2 credits

Physical Education- 4 semester credits. Students must be enrolled in physical education, JROTC, and/or PE Marching Band in grades 9 and any second year. 9th grade students must pass the Fitnessgram state exam or retake Physical Education the following year

Social Studies – 6 semester credits

Grade 9 or 10 – World History, Geography, and Economics (or advanced alternative) – 2 credits

Grade 11 – U.S. History (or advanced alternative) – 2 credits

Grade 12 – Government and Economics (or advanced alternative) – 2 credits

COMPUTER LITERACY COMPETENCY

(Beginning grade 7): to be met by a computer education course or another approved course that incorporates computer education and computer applications or by testing out.

SENIOR EXHIBITION

Each student is required to prepare a senior portfolio and present a senior exhibition. Information about how to prepare and present these exhibitions is available on the school website.

VALEDICTORIAN

The Valedictorian will be the one student with the highest overall weighted GPA (grades 10 - 12).

Mira Mesa High School Course List for UC/CSU Requirements

- A. HISTORY** (UC – 2 years, CSU – 1 year)
 Human Geography 1,2
AP Human Geography 1,2
 World History 1,2
 Adv. World History 1,2
AP World History 1,2
 US History 1,2
Honors US History 1,2
AP US History 1,2
AP European History / Am. Gov. 1, 2
 Am. Government / Economics 1, 2
AP Government 1, 2
- B. ENGLISH** (4 years required)
 English 1, 2 (Regular, Cluster, or Seminar)
 English 1, 2 ELD
 English 3, 4 (Regular, Advanced, Cluster, or Seminar)
 English 3, 4 ELD
 ESL 5, 6
 American Literature 1, 2
Honors American Literature (Cluster or Seminar) 1, 2
 Writer's Workshop 1, 2
 English Literature 1, 2
 Contemporary Voices 1, 2
AP English Language and Composition 1, 2
AP English Literature and Composition 1, 2
- C. MATHEMATICS** (3 years required/4recommended)
 Algebra Explorations 1, 2
 Algebra 1, 2
 Geometry 1, 2
 Adv. Geometry 1, 2
 Int. Algebra 1, 2
 Adv. Intermediate Algebra 1, 2
 Functions Analysis 1, 2
 Pre-Calculus 1, 2
Honors Pre-Calculus 1, 2
 Statistics 1, 2
 Topics in Discrete Math 1, 2
Math 150,151 (Calculus)
AP Calculus AB 1, 2
AP Calculus BC 1, 2
- D. LABORATORY SCIENCE** (UC – 2 yrs. CSU–1 yr/3yr recommended)
 Physics 1, 2
 Adv. Physics 1, 2
 Chemistry 1, 2
Honors Chemistry 1, 2
 Biology 1, 2
 Adv. Biology Cluster 1, 2
 Physiology 1, 2
AP Biology 1, 2
AP Chemistry 1, 2
AP Physics B 1, 2
AP Environmental Science 1, 2
 ROP Biotechnology 1, 2
- E. WORLD LANGUAGE** (2 years required, 3 recommended)
 Spanish 1, 2 3, 4 5, 6 7, 8
AP Spanish Language 1, 2
AP Spanish Literature 1, 2
 French 1, 2 3, 4 5, 6 7, 8
AP French Language
AP French Literature
 Filipino 1, 2 3, 4 5, 6
- F. VISUAL AND PERFORMING ARTS**
 Art 1, 2
 Ceramics 1,2,3,4
AP Art History 1, 2
 Design Mixed Media 1, 2
 Drawing and Painting 1, 2
AP Art Studio: Drawing Portfolio 1, 2
AP Art Studio: 2-D Design 1, 2
 Marching Band 1, 2
 Intermediate Band 1, 2
 Wind Ensemble 1, 2
 Chorus 1, 2 3, 4
 Choir Ensemble (Madrigals) 1, 2
 Orchestra 1, 2 3,4
AP Music Theory 1, 2
 Computerized Graphic Design 1, 2
 Video Production 1, 2
 Multimedia Production 1, 2
 Theatre 1, 2 3, 4 5, 6 7, 8
 Technical Theatre 1, 2, 3, 4
 Musical Theatre Workshop 1, 2
 Musical Theatre Workshop 3,4
 Music Appreciation 1, 2
- G. ELECTIVES**
 AVID Senior Seminar 1, 2
 Broadcast Journalism 1, 2
 Earth Science 1, 2
 Adv. Earth Science 1, 2
 Principles of Engineering 1, 2
 Engineering Design and Development 1, 2
 Public Speaking 5, 6
 Intro. To Teaching and Learning 1, 2
 Development Psychology of Children 1, 2
 Human Psychology and Family Sociology 1, 2
AP Psychology 1, 2

In addition, college prep electives can be chosen from the following:
 Visual and performing arts, history and social science, English,
 advanced math, laboratory science, and world language.

Note: Courses in bold receive weighted GPA credit.

GENERAL REQUIREMENTS

In addition to the subject and course requirements described in the course offerings, the basic requirements outlined below must be met in order to receive a high school diploma:

GRADE POINT AVERAGE

A 2.0 GPA or higher is required for a diploma. Grade point average is computed on the basis of A = 4, B = 3, C = 2, D = 1 and F = 0. Only Advanced Placement (AP) and Honors courses will be given a weighted GPA for high school graduation. (i.e. A = 5 points). A grade point average of 2.0 or higher is required for participation in co-curricular activities, including interscholastic athletics and the graduation ceremony.

CALIFORNIA HIGH SCHOOL EXIT EXAM

Students must pass both the English language arts and the mathematics portions of the California High School Exit Examination (CAHSEE) in order to receive a high school diploma in the state of California. Students who otherwise complete the graduation requirements but do not pass the CAHSEE may receive a certificate of course completion instead of a diploma.

CONDUCT

A record of responsible citizenship must be maintained. In order to participate in graduation ceremonies, students must meet a minimum standard of a 2.0 average in citizenship during their senior year. Seniors will be denied participation in graduation exercises and other senior activities for zero-tolerance violations or activities resulting in a five-day suspension.

ATTENDANCE

All students must attend eight semesters in grades 9 to 12 for six periods daily.

CREDITS

Students must earn at least 44 credits semester credits in grades 9 to 12 (including a maximum of eight credits in physical education of AFROTC). Students must complete at least 44 credits to participate in graduation ceremonies.

DIPLOMA WITH ACADEMIC DISTINCTION

The Board of Education of San Diego Unified School District awards high school diplomas inscribed “With Academic Distinction” to students whose achievements have been outstanding. Requirements for this diploma should be studied and careful planning to meet them should begin while the student is in junior high school.

Only those students who have attended a district high school for their entire senior year are eligible for this diploma. Students who have attended high schools in other districts, for all or part of grades 10 and 11, may qualify for this recognition if their academic performance in San Diego City Schools merits consideration. The high school principal is responsible for evaluating courses taken in out-of-district schools.

Two options are open to students who wish to graduate “With Academic Distinction.”

Option 1 -The student must receive a weighted grade point average of 3.5 (B+) or higher for all courses taken in grades 10, 11 and the first semester of grade 12. (Students who raise their grade point average to 3.5 by the second semester 12-week progress report of their senior year may also receive the diploma).

Option 2 -The student must meet the following three requirements:

- A. Grades 9-12: Complete a minimum of two years of credit in both science and a foreign language. These requirements may be met prior to grade 9 if the courses are judged to be equivalent to those offered in grades 9-12.
- B. Grades 10-12: Complete 14 semester credits with grades of “A” or “B” from among the following list of courses. These courses must be taken in grades 10, 11, and 12.
- C. Grade 12: Four of the required 14 semester credits must be earned senior year

Option 2 Required Curriculum (Grades 10-12)

English

Adv. English 3, 4
Honors American Literature 1, 2
English Literature 1, 2
AP English Language and Composition 1, 2
AP English Literature 1, 2

Mathematics

Adv. Geometry 1, 2
Pre-Calculus 1, 2
Honors Pre-Calculus 1, 2
Mathematics 150,151
Intermediate Algebra 1, 2
Adv. Intermediate Algebra 1, 2

Topics in Discrete Mathematics 1, 2
AP Calculus 1, 2
Statistics 1, 2

Science

Advanced Biology1, 2
AP Biology 1, 2
Chemistry 1, 2
Honors Chemistry 1, 2
AP Chemistry 1, 2
AP Environmental Science 1, 2
Physics 1, 2
Advanced Physics 1, 2
AP Physics 1, 2
Physiology 1, 2

Social Studies

Adv. World History 1, 2
Honors U.S. History 1, 2
AP European History 1, 2
AP American Government 1, 2
AP United States History 1, 2
AP Psychology 1, 2

Fine Arts

AP Music Theory 1, 2
AP Art History 1, 2
AP Art Studio 1, 2

World Language

Spanish 5, 6
Filipino 5, 6
AP Spanish Language 1, 2
AP Spanish Literature 1, 2
French 5, 6
AP French Language 1, 2
AP French Literature 1, 2

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ENGLISH LANGUAGE ARTS

ENGLISH 1, 2 (9) 1540, 1541

Meets “A - G” requirement

A survey of western literature with a focus on different genres. Course content includes an introduction to novels, short stories, nonfiction, poetry, and drama. Emphasis is on the study of theme, plot, character, conflict, and stylistic devices. Activities concentrate on the fundamentals of written and oral language skills in conjunction with the study of literature.

ENGLISH 1, 2 CLUSTER (9) 1540C, 1541C

Meets “A - G” requirement

Prerequisite Enrollment in 8th grade Cluster or Seminar English, earning a grade of "A" with teacher recommendation.

A strong interest in reading is important. Literature selections are read from the Greco-Roman era to modern day, including novels, short stories, nonfiction, poetry, and drama. Emphasis is on literary analysis and preparation for future AP classes. Formal writing instruction is connected to the literature. Vocabulary focuses on SAT preparation. Creativity and an ability to draw inferences are helpful. Students study qualitatively and quantitatively more difficult materials and demonstrate superior insight in analysis and writing.

ENGLISH 1, 2 SEMINAR (9) 1540S, 1540S

Meets “A - G” requirement

Prerequisite Participation in the GATE program - Seminar identified. Student must apply for admission to the program.

Extensive reading and frequent formal and informal writing begins to prepare students for honors and advanced placement courses throughout high school. Literary study covers a variety of genres, including Greek and Roman mythology, the epic, novels, short stories, nonfiction, poetry, and drama.

ENGLISH 3, 4 (10) 1570, 1571

Meets “A - G” requirement

Focuses on language, composition, and reading skills. Course emphasizes the study of different themes through multicultural literature. The short story, poetry, nonfiction, Shakespeare, and novels will be examined.

ADVANCED ENGLISH 3, 4 (10) 1572, 1573

Meets “A - G” requirement

Prerequisite A grade of “A” in English 1, 2 or a grade of “C” in English 1,2 Cluster or teacher recommendation.

Course content is pursued in greater detail for language, composition, and reading skills, includes the short story, poetry, nonfiction, modern drama, world mythology, Shakespeare, and novels used in preparation for AP course work.

ADV. ENGLISH 3, 4 CLUSTER (10) 1572C, 1573C

Meets “A - G” requirement

Prerequisite A grade of "B" or better in English 1, 2 Cluster and teacher recommendation.

Emphasizes creative thinking, formal writing, and an analysis of world literature from the Ancient Greeks to modern times, using novels, Shakespeare, poetry, drama, nonfiction, and short stories. Heavy emphasis on literary analysis. Prepares student for AP course work. Content and assignments will be quantitatively and qualitatively different from Adv. English 3, 4.

ADV. ENGLISH 3, 4 SEMINAR (10) 1572S, 1573S

Meets “A - G” requirement

Prerequisite Participation in the GATE program and teacher and/or GATE coordinator recommendation.

A continuation of the humanities-based program with an emphasis on world literature (especially literary forms) and European history. Content and assignments will be quantitatively and qualitatively different from English 3, 4 Cluster. Prepares student for AP course work.

AMERICAN LITERATURE 1, 2 (11) 1583, 1584

Meets “A - G” requirement

This course enables students to understand that American literature reflects social, political, and moral issues in the United States. Students develop proficiencies in vocabulary, reading, writing, speaking, and listening; in expressing their ideas about significant problems of American life; and in studying the communication techniques used by writers and national leaders in describing the American scene of both past and present. The course may examine the chronological development of American literature and thematic issues.

HONORS AMERICAN LITERATURE 1, 2 CLUSTER (11) 1589C, 1590C

Meets “A - G” requirement

Prerequisites Teacher recommendation and a grade of "B" or better in English Cluster 3, 4, or a grade of "A" in Advanced English 3, 4.

This course corresponds with American Literature 1, 2, but is designed for students who have a strong interest in reading and literary analysis. A thorough survey of American literature will be studied, including novels, drama, poetry, short stories, and essays. Emphasis on discussion, formal essay writing, SAT I and II preparation, vocabulary, oral presentation, and extensive reading will prepare students for Advanced Placement English courses and successful completion of the Advanced Placement exams.

AP ENGLISH LANGUAGE & COMPOSITION 1, 2 (11, 12) 1655, 1656

Meets “A - G” requirement

This course is conducted as a college class. This is a course in English language, providing a survey of the rhetorical modes used in nonfiction as well as fiction. This course focuses predominantly on American authors and has a strong emphasis in many different rhetorical modes of writing, such as: narrative, definition, description, compare and contrast, and argumentation. Additionally, students will be prepared for the Advanced Placement Exam via timed writing, sample tests, and instruction that is reflective of the challenging material found on the AP exam. Because this is a course in language and composition, there will be an emphasis on analyzing not only other authors' writing, but also analyzing students' own purpose and structure for writing. Students are expected to read, understand, and interpret past and present classical works of American literature, as well as improve their writing in response to the literature they read. During the year, students will read and respond to a number of novels, stories, lectures, editorials, and letters. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

CONTEMPORARY VOICES IN LITERATURE 1, 2 (12) 1612, 1613

Meets “A - G” requirement

In this course students explore issues presented by contemporary writers from diverse cultural and ethnic backgrounds. The readings include both fiction and nonfiction texts. Students write for various purposes and audiences, including workplace writing, analyzing arguments, response essays, persuasive essays, proposals, newspaper articles, etc. The standards-based units of study integrate all aspects of literacy: reading, writing, speaking, and listening. Students interpret and evaluate the media and graphic information. This course is aligned with the CSU Rhetoric and Writing course. Preparation for college entrance exams is emphasized.

ENGLISH LITERATURE 1, 2 (12) 1641, 1642

Meets “A - G” requirement

English Literature 1-2 is a course that acquaints students with various genres and themes of literature produced by Irish, English, and Scottish writers. The course will develop students' techniques in reading, writing, speaking, and presenting. Preparation for college entrance exams will be incorporated in the curriculum.

AP ENGLISH LITERATURE AND COMPOSITION 1, 2 (12) 1653, 1654

Meets “A - G” requirement

First semester is dedicated to the study of the short story, an anthology of short stories, poetry, and some informational articles will be emphasized. Some Internet research will be included. Second semester will consist entirely of AP exam practice until the date of the exam. Post test period will involve the study of nonfiction works. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

ENGLISH LANGUAGE DEVELOPMENT

Required for all students whose first language is not English and need improvement in their English skills.

ESL 1, 2 LITERACY BLOCK (9) 1621, 1622

ESL 1, 2 LITERACY BLOCK (10-12) 1631, 1632

LEVEL 1 - **Beginning**. This two-hour block emphasizes listening, speaking, and reading.

ESL 3, 4 LITERACY BLOCK (9) 1623, 1624

ESL 3, 4 LITERACY BLOCK (10-12) 1633, 1634

LEVEL 2 - **Intermediate**. This two-hour block develops reading and speaking skills. Beginning creative writing skills are taught.

ESL 5, 6 LITERACY BLOCK (9) 1625, 1626

ESL 5, 6 LITERACY BLOCK (10-12) 1635, 1636

Meets "A - G" requirement

LEVEL 3 - **Advanced**. This two-hour block develops reading, listening, and writing skills so students can make the change to a regular secondary English classroom.

ELD ENGLISH 1, 2 (9) 1540L, 1541L

The ELD English 1, 2 is designed to help students who have not yet met the criteria for redesignation to develop high levels of academic proficiency in English. Survey of western literature with a focus on different genres. Course content includes an introduction to novels, short stories, nonfiction, poetry, and drama. Emphasis is on the study of theme, plot, character, conflict, and stylistic devices. Activities concentrate on the fundamentals of written and oral language skills in conjunction with the study of literature.

ELD ENGLISH 3, 4 (10) 1570L, 1571L

The ELD English 3, 4 is designed to help students who have not yet met the criteria for redesignation to develop high levels of academic proficiency in English. Focuses on language, composition, and reading skills. Course emphasizes the study of different themes through multicultural literature. The short story, poetry, nonfiction, Shakespeare, and novels will be examined.

ELD AMERICAN LITERATURE 1, 2 (11) 1583L, 1584L

Emphasis is advanced reading in American Literature 1, 2 and writing skills. This course meets the American Literature credit for ELD students.

ELD CONTEMPORARY VOICES IN LITERATURE 1, 2 (12) 1612L, 1613L

Emphasis on adv. reading in world literature, writing, and oral skills. This course satisfies the English graduation requirement for ELD students.

MATHEMATICS

ALGEBRA EXPLORATIONS 1-2 (9) 4032, 4033

Meets “A - G” requirement

This class is necessary for 9th grade students who have not successfully completed Algebra 1-2 with a grade of “B” or better. Algebra Explorations uses investigative and explorative activities to solve linear equations and inequalities; graph and interpret linear, quadratic, square root and absolute value functions; solve quadratic functions by factoring, completing the square or the quadratic formula; and simplify polynomial and rational expressions as defined by the California State Standards for Algebra 1.

ALGEBRA 1-2 (10 – 12) 4041, 4042

Meets “A - G” requirement

Prerequisite: A grade of "D" or lower in Algebra Explorations or teacher/counselor recommendation.

This class is necessary for students who have not passed Algebra Explorations with a grade of “C” or better. Students will receive instruction to solve linear equations and inequalities; graph and interpret linear, quadratic, square root and absolute value functions; solve quadratic functions by factoring, completing the square or the quadratic formula; and simplify rational expressions as defined by the California State Standards for Algebra 1. Additionally, this class will meet graduation requirements for math and the UC/CSU “C” requirement for students who have not previously passed Algebra Explorations with a grade of “D.”

GEOMETRY 1-2 (9 - 12) 4141, 4142

Meets “A - G” requirement

Prerequisite: Advanced Algebra 1-2, Algebra 1-2 *or* Algebra Explorations with a grade of "C" or better.

This course incorporates a hands-on, discovery approach to learning geometric relationships of lines, angles, polygons and circles as defined by the California State Standards for Geometry. This course meets the second year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

ADVANCED GEOMETRY 1-2 (9) 4175, 4176

Interest - Meets “C” requirement

Prerequisite: Advanced Algebra 1-2 with a grade of "B" or better, score of Advanced or Proficient on the CST exam for Algebra 1 *and* teacher recommendation.

This is a rigorous college prep course for superior 9th grade students to learn in depth geometric relationships of lines, angles, polygons and circles as defined by the California State Standards for Geometry. This course meets the second year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

INTERMEDIATE ALGEBRA 1-2 (10 – 12) 4151, 4152

Meets “A - G” requirement

Prerequisite: Algebra 1-2 and Geometry 1-2 with a grade of "B" or better, or Unified Algebra and Geometry 1-2 with a grade of "C" or better and teacher recommendation.

This is a college prep course in which students will receive instruction of linear, quadratic, exponential, logarithmic, polynomial, and rational functions as well as systems of equations in two and three dimensions, conic sections, sequences, combinatorics and probability as defined by the California State Standards for Algebra 2. Students earning a grade of "C" or better meet the minimum math requirements for acceptance to a four-year college. This course meets the third year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

UNIFYING ALGEBRA AND GEOMETRY 1-2 (10 – 12) 4121, 4122

Meets graduation requirements / does not meet “A-G” requirements

Prerequisite: Algebra 1-2 and Geometry 1-2 with a grade “D” or better or teacher recommendation.

This is a bridging course to Intermediate Algebra designed to strengthen algebraic and geometric skills as well as incorporate additional topics in probability and statistics. This course meets the third year math requirements for high school graduation.

ADVANCED INTERMEDIATE ALGEBRA 1-2 (10) 4065, 4066

Meets “A - G” requirement

Prerequisite: Advanced Algebra 1, 2 and Advanced Geometry 1, 2 with a grade of “B” or better, score of Advanced or Proficient on the CST exam for Algebra 1 *and* teacher recommendation.

This is a rigorous college prep course to learn in depth algebraic concepts of linear, quadratic, exponential, logarithmic, polynomial, and rational functions as well as systems of equations in two and three dimensions, conic sections, sequences, combinatorics and probability as defined by the California State Standards for Algebra 2. This course meets the third year math requirements for high school graduation as well as the UC/CSU “C” requirement for college prep.

FUNCTIONAL ANALYSIS 1, 2 (11-12) 4183, 4184

Meets “A - G” requirement

Prerequisite: Intermediate Algebra with grade “C” or teacher recommendation

Function’s Analysis is a course bridging Intermediate Algebra and Pre Calculus. Students will explore linear, quadratic, exponential, logarithmic, polynomial rational functions and trigonometric functions; sequences and series, 2nd and 3rd dimensional systems; conics; and probability and statistics. Mathematical modeling (including the processes of data collection, representation, interpretation, predication, and simulation), technology, and active learning through collaborative, small-group investigations will be the focus of the course. Additional focus will be given to practice for SAT and ELM placement exams. Students who successfully complete this course will be prepared to continue their mathematical studies in high school Precalculus. This course meets the fourth year UC/CSU “C” math requirement for college prep.

PRECALCULUS 1, 2 (12) 4161, 4162

Meets “A - G” requirement

Prerequisite: Advanced Intermediate Algebra 1-2 with a grade of "C" or better or Intermediate Algebra 1-2 with a grade of "B" or better *and* teacher recommendation.

Precalculus is an advanced college preparatory course consisting of math analysis and trigonometry. The first semester will emphasize the study of functions and their transformations: linear, quadratic, rational, exponential, and logarithmic. Also covered, will be the study of systems, sequences and probability. The second semester will cover trigonometric functions followed by the study of matrices and determinants, and conics. This course meets the fourth year UC/CSU “C” math requirement for college prep.

HONORS PRECALCULUS 1, 2 (11-12) 4181, 4182

Meets “A - G” requirement

Prerequisites: Advanced Intermediate Algebra 1-2 with a grade of “B” or better, score of Advanced or Proficient on the CST exam for Algebra 2 *and* teacher recommendation.

For students who have demonstrated excellent ability and motivation in all previous advanced math courses. This in-depth course in algebra, includes a strong treatment of trigonometry, algebraic functions and limits. Students who take this course will take a qualifying exam for Math 150 in the spring and successful completion prepares students for the first course of college Calculus.

STATISTICS (12) 4046, 4047

Meets “A - G” requirement

Prerequisites: Function’s Analysis with a grade “C” or better or Precalculus with grade “C” or better.

This is an introductory course addressing all eight of the California Mathematics Content Standards for Probability and Statistics and 10 of the 19 standards for Advanced Placement Probability and Statistics. Students in this course will explore and represent data graphically, interpret data, design studies and use inference to determine statistical significance. This course meets the fourth year UC/CSU “C” math requirement for college prep.

TOPICS IN DISCRETE MATH (12) 4185, 4186

Meets “A - G” requirement

Prerequisites: Pre-Calculus 1-2 or Honor’s Pre-Calculus 1-2 with a grade of "C" or better, and/or teacher recommendation.

Discrete Math reviews functions, matrices, linear programming, and finance, set logic and probability in the first semester while the second semester focuses on topics of college Calculus. The course is designed to prepare students for success in college calculus and is aligned with the California State Standards for Linear Algebra, Math Analysis and Calculus. This course meets the fourth year UC/CSU “C” math requirement for college prep.

AP CALCULUS 1, 2 AB (12) 4189, 4190

Meets “A - G” requirement

Prerequisites: Honor’s Precalculus with a grade of "B" or better or Precalculus with a grade of “A” and teacher recommendation.

This course follows the standard syllabus of Advanced Placement Calculus AB as stated in The College Board’s most recent *Advanced Placement Course Description: Calculus*. It provides students the opportunity to sit for an advanced placement examination and earn college credit if they obtain a score of 3, 4, or 5 on the exam. A T1-83 or better is needed (TI-89 is recommended). While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

AP CALCULUS 1, 2 AB (12) 4197, 4198

Meets “A - G” requirement

Prerequisites: Honor’s Precalculus with a grade of "B" or better or Precalculus with a grade of “A” and teacher recommendation.

This course offers students a full academic year of work in calculus comparable to a college level course in the subject. The course takes a multi-representational approach to calculus, expressing concepts, problems, and results geometrically, numerically, analytically and verbally. It provides students the opportunity to sit for an advanced placement examination and earn college credit if they obtain a score of 3, 4, or 5 on the exam. A T1-83 or better is needed (TI-89 is recommended). While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

SCIENCE

EARTH SCIENCE 1, 2 (9) 6023, 6024

Meets “A - G” requirement

This course concentrates on understanding the earth's dynamic environments through the study of processes and physical and human interactions related to the lithosphere, hydrosphere, and atmosphere. This class will provide an excellent foundation in rigorous physical science for further study in chemistry, biology, and physics.

ADVANCED EARTH SCIENCE 1, 2 (9) 6027, 6028

Meets “A - G” requirement

This standards-based laboratory science course is a more rigorous version of the regular Earth Science course currently offered to students in grade 9. This course will address additional state standards in Earth Science, including some of the more difficult ones. Topics covered will include: astronomy, dynamic earth processes, energy in the earth systems, biogeochemical cycles, structure and composition of the atmosphere, and California geology. Emphasis will be placed on the use of mathematics and graphical analysis in each of these major content areas.

PHYSICS 1, 2 (9-12) 6311, 6312

Meets “A - G” requirement

Based on the California standards for high school physics. Topics include Motion and Forces, Momentum and Energy, Heat and Thermodynamics, Waves and Optics, and Electromagnetism. A significant amount of reading and problem solving using supplemental texts will be used. Test taking strategies are also incorporated throughout the year with the goal of a proficiency score on the California Standards Test.

ADVANCED PHYSICS 1, 2 (9-12) 6321, 6322

Meets “A - G” requirement

Based on the California standards for high school physics. Topics include Motion and Forces, Momentum and Energy, Heat and Thermodynamics, Waves and Optics, and Electromagnetism. A significant amount of reading and problem solving using supplemental texts will be used. Interpretation of experimental results and problem-solving skills are stressed with the goal of preparing students for the SAT II Achievement Test in Physics.

CHEMISTRY 1-2 (10–12) 6211, 6212

Meets “A - G” requirement

This course covers the state chemistry standards at a basic level. Students will be introduced to each of the 11 content areas outlined in the state standards through laboratory explorations, modeling, reading, and discussions. Students will be guided through critical thought processes and will use these skills to solve problems.

HONORS CHEMISTRY 1-2 (11-12) 6221, 6222

Meets “A - G” requirement

Prerequisite: Above-average achievement in previous science course(s) and in Algebra 1-2 or equivalent; concurrent enrollment in Intermediate Algebra 1-2 or equivalent recommended; a desire to succeed in a rigorous college-level course environment

Through laboratory and independent problem-solving activities, teacher demonstrations, lectures and discussions, text and supplementary readings, and homework experiences, students who have demonstrated considerable interest and outstanding achievement in science will explore how chemists attempt to solve problems and how the chemical aspects of their environment interact and can be controlled to benefit their daily lives. All student activities have clearly defined goals for both the content material covered and the thinking (process) skills involved. Laboratory activities are to have clearly labeled safety precautions and hazardous waste disposal procedures. This course is intended to help students meet state science standards.

AP CHEMISTRY 1, 2 (11-12) 6291, 6292

Meets “A - G” requirement

Prerequisites Honors Chemistry 1, 2 with a grade of "B" or better or Chemistry 1, 2 with teacher recommendation and one year of Algebra 1, 2 with a grade of "B" or better.

In this elective, usually second-year course in chemistry, students are challenged with learning activities equivalent to those of a general chemistry course usually taken during the first year of college. Those successfully completing this course will attain a depth of understanding of chemical concepts, significant laboratory experiences, and knowledge of current directions that will prepare them for the Advanced Placement Test in General Chemistry. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

BIOLOGY 1, 2 (10–12) 6111, 6112

Meets “A - G” requirement

This introductory course is designed to build on physical science concepts, and emphasize mechanisms for the functioning and continuity of organisms. Unifying themes of biology are stressed (evolution, homeostasis, energy, matter and organization, continuity, development, and ecology) and the application and relevance of biology to students' lives and to society. Inquiry and the nature of science are important content elements.

ADVANCED BIOLOGY 1, 2 CLUSTER (11-12) 6121, 6122

Meets “A - G” requirement

This is a first year course intended for students with the interest and ability to extend their study of biology beyond the basic course, and/or who are contemplating a science-related career but are not prepared to take Advanced Placement Biology as their first biology course. It covers all the elements of the regular course, including the same inquiry and cooperative strategies, but the pace will be faster, and it will go into greater depth in selected areas. It builds extensively on concepts learned in physics and chemistry and is more quantitative. It addresses state science standards.

AP BIOLOGY 1, 2 (11–12) 6191, 6192

Meets “A - G” requirement

In this course students engage in learning activities equivalent to those of a freshman biology course at the university level. Students successful in this course attain a depth of understanding of fundamental biological concepts and are able to demonstrate that understanding, orally and in writing, with clarity and logic. The application and relevance of biology to students' lives and to society are stressed, and inquiry and the nature of science are important content elements. Materials used for this course differ qualitatively from those used in other biology courses in both rigor and content, and in the complexity of laboratory experiences. Laboratory activities have clearly labeled safety precautions and hazardous waste disposal procedures. The students' learning activities are intended to prepare them to succeed in the Advanced Placement Examination in Biology. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

PHYSIOLOGY 1, 2 (11 –12) 6151, 6152

Meets “A - G” requirement

Prerequisites Physics 1, 2 or Chemistry 1, 2, and Biology 1, 2, or equivalents

The body systems of humans and animals are used as examples of systems necessary for the growth and maintenance of life. These systems are studied in terms of their general structures and functions in living things. Emphasis is placed on the evolutionary sequence of particular organs, tissues and functions so the student can grasp the concept of homology and the evidence by which scientists unite organisms into evolutionary groups. The biochemical functions of human systems are covered. Laboratory experience involves cat dissection.

AP PHYSICS - LEVEL B (12) 6393, 6394

Meets “A - G” requirement

Prerequisites: Successful completion of or concurrent enrollment in Pre-calculus 1-2, Pre-calculus 1-2 Honors, or a higher-level mathematics course; background in chemistry, Physics 1,2, or recommendation of the teacher.

This course is strongly recommended for students planning to enter any School of Engineering or attending a Professional School of Medicine, Veterinary Medicine, Dentistry, or Pharmacology. This is a calculus-based physics course (Note: Calculus 1, 2 is not a prerequisite). It is intended for students planning to have majors in science and/or engineering at the university level and is an ideal preparation for the SAT II Achievement Test in Physics (required by the UC System). The course focuses on Newtonian Mechanics. Topics include: Vectors, Motion in one and two dimensions, Newton's Law of Motion, Dynamics, Statics & Equilibrium, Work & Energy, Momentum & Collisions, Oscillations, Rotational Motion, and Gravitation. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

BIOTECHNOLOGY 1, 2 (11-12) 8704, 8705

Meets “A - G” requirement

ROP Prerequisite: Must be 16 years old

This course provides entry-level preparation for advanced training in biotechnology services. This is a laboratory-based class that integrates the core competencies of the health sciences career path of the life and physical sciences with the technical skills needed for post-secondary education and/or employment in the biotechnology industry. Students completing this course with a grade of A or B are eligible to earn community college credits.

AP ENVIRONMENTAL SCIENCE (11-12) 6455, 6456

Meets “A - G” requirement

ROP Prerequisite: Must be 16 years old

Prerequisite: Biology 1, 2 or equiv and either Chemistry, Physics, or Earth Science.

This course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, to evaluate the relative risks associated with these problems, and to examine solutions for resolving or preventing them. Students completing this course with a grade of A or B are eligible to earn community college credits. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

SOCIAL STUDIES

WORLD GEOGRAPHY 1, 2 (9) 6591, 6592

This course focuses on geography, current events, map skills, as well as computing skills necessary to access information and meet the state requirement for computer education.

AP HUMAN GEOGRAPHY 1, 2 (9) 6511, 6512

Meets “A - G” requirement

This course introduces students to the systematic study of the patterns and processes that have shaped mankind’s understanding, use, and alteration of the earth’s surface. Students are introduced to the methods and tools used by geographers to analyze human social organization and its environmental consequences. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

MODERN WORLD HISTORY AND GEOGRAPHY 1, 2 (10) 6605, 6606

Meets “A - G” requirement

In this course students examine the following strands: history, geography, economics, culture, and ethics. The course emphasizes national identity, constitutional heritage, and citizenship. It exercises varied study, visual, map/globe, and critical-thinking skills. World history from the late 1700s to the present is explored. The curriculum is designed to increase students’ capacity to think analytically and critically.

WORLD HISTORY 1, 2 ADVANCED (10) 6645, 6646

Meets “A - G” requirement

This course provides an in-depth study of world history from the rise of democratic ideas to the contemporary world. Students develop advanced skills in analyzing historical, cultural, social, economic, and geographical issues in a global context. Students explore connections between local, national, and global issues. The course culminates with a critical examination of the problems of the modern world.

WORLD HISTORY 1-2 AP (6639, 6640)

Meets “A - G” requirement

World History Advanced Placement is a course that is broader and more rigorous than the World History 1, 2 Advanced course (6645, 6646). This course emphasizes cross-cultural and cross-period global processes and relationships over the traditional chronological approach so that students gain historical perspective on a global array of civilizations, not just Western ones. Students enrolled in this course will be prepared to take the AP World History examination. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

UNITED STATES HISTORY AND GEOGRAPHY 1, 2 (11) 6701, 6702

Meets “A - G” requirement

In the course students examine major turning points in American history in the twentieth century. The course begins with a review of U.S. history with an emphasis on the nation’s beginnings and the industrial transformation of the new nation. Students then study the Progressive Era, American participation in World War I and World War II, the Great Depression, and national issues in the post– World War II era. They will also examine elements of culture, including religion, literature, drama, art, music, education, and the role of media. This course emphasizes the relevance of history to students’ daily lives and helps them understand how the ideas and events of the past shape the institutions and debates of contemporary America.

UNITED STATES HISTORY AND GEOGRAPHY 1, 2 HONORS (11) 6711, 6712

Meets “A - G” requirement

Prerequisites A grade of “B” or better in Adv. World History, or a grade of “A” in World History 1, 2 and recommendation of grade 9 or 10 social studies teacher.

This course is designed for the rigorous study of U.S. history and geography. The content includes a study of American history from the late nineteenth century to the present, with major emphasis on the development of American ideals and institutions. Students examine important issues and historical forces that have shaped the nation, including race, gender, politics, economics, foreign policy, culture, and the environment. Original documentary sources are used to supplement the text and enrich the student’s experience. Research techniques are taught. All students must pass an end-of-course examination.

AP UNITED STATES HISTORY 1, 2 (11) 6721, 6722

Meets “A - G” requirement

The course provides challenging instruction for grade 11 students. It helps students develop critical judgments by encouraging them to read and analyze carefully chosen selections from both secondary and primary sources that explore the ideals, traditions, and institutions of the United States as well as the unity and diversity among American people. Emphasis is given to interpretations of major historical themes and evidence. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

GOVERNMENT 1 (12) 6757

Meets “A - G” requirement

In Government 1 students apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of American government. This course focuses on the U.S. Constitution and Bill of Rights, the courts and governmental processes, the legislative and executive branches of government, state and local government, and comparative government. Government 1 is the culmination of the civic literacy strand that prepares students to vote, to reflect on the responsibilities of citizenship, and to participate in democratic activities and processes.

PRINCIPLES OF ECONOMICS 1 (12) 6758

This one-semester course deepens students’ understanding of the economic problems and institutions of the nation and the world. Students learn to make reasoned decisions on economic issues through the study of fundamental economic concepts, comparative economic systems, microeconomics, macroeconomics, and international economics.

GOVERNMENT AND POLITICS: US AP (12) 6839

Meets “A - G” requirement

A **one-semester** course that provides more challenging instruction to students in grade 12 to enable them to meet the mandated requirement in American Government. The course includes an in-depth study of the nature of the American political system, its development over the last two hundred years, and how it works today. The course follows the standard syllabus of Advanced Placement American History as specified by the College Board; it prepares students to satisfactorily complete the *Advanced Placement Examination in Government and Politics: United States* and to earn college credit. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

AP EUROPEAN HISTORY 1, 2 (10-12) 6759, 6760

Meets “A - G” requirement

This course provides challenging instruction to students in grades 10–12. The course is organized to help students develop understanding of some of the major themes of European history and an awareness of the consequences of the European contacts with other regions of the world. Emphasis is placed on European history from 1450 to the present. Development and practice of critical-thinking skills and analysis play a major part in course instruction. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

FINE ARTS

ART

ART 1, 2 (9-12) 0191, 0192

Meets “A - G” requirement

Materials fee charged

Need to learn the basics of drawing, sculpture, color theory and painting to get your high school art experience? This class will get you started for all of the art courses offered here. You'll learn how the elements and principles of art and design can help you create two and three-dimensional projects. Different materials such as graphite, oil and chalk pastels, clay, papier-mâché, scratchboard, tempera paint and watercolor, computer programs like PhotoShop will be a few of the materials you will explore.

CERAMICS 1, 2 3, 4 (10-12) 0231, 0232

Meets “A - G” requirement

Materials fee charged

Discover the joy of creating with clay. Make great projects the first semester while learning the techniques...mugs, boxes, dino eggs, fartsos, and masks. Apply those techniques to more advanced projects, that you choose, during the second semester... waterfalls, lamps, jewelry boxes, lanterns, and much more. **This is a hand building class that meets graduation and college requirements.**

COLOR AND DESIGN (Fashion/Clothing Design) (10-12) 0241, 0242

Meets “A - G” requirement

Materials fee charged

Skateboard and surfboard designs, designer dresses, shoe designs, purses and accessories. Interested yet? In Color and Design you will first sketch, paint, use new computer programs and then create some of your own clothing designs and accessories such as jewelry, patches, hats. You'll also be creating a portfolio that will get you a head start in the fashion industry. Be the first to sign up for this brand new course.

DRAWING AND PAINTING 1 & 2 (9-12): 0271, 0272

Meets “A - G” requirement

Materials fee charged

Explore a variety of techniques and materials like watercolor, tempera, acrylic, and oil paints, to reveal your unique style of drawing and painting. Practice will improve all levels of skill so this is a great beginning class and gives the same credit as Art 1 & 2. *All students interested in taking AP Art Studio for college credit will benefit from this class.

DESIGN IN MIXED MEDIA 1, 2 (9-12) 0244, 2045

Meets “A - G” requirement

Materials fee charged

Experiment with all sorts of fun and different materials. You'll be encouraged to take some risks with your artwork. Ceramic sculptures, linoleum prints on handmade paper, oil pastel drawings, papier-mâché monsters, watercolor and tempera paintings, and wire sculptures are just some of the projects you will be creating in Design in Mixed Media.

AP STUDIO ART, DRAWING, PORTFOLIO1, 2 (11-12) 0377, 0378

Meets “A - G” requirement

Prerequisites Two full years of high school art with a grade of “B” or better, teacher recommendation.

Materials fee charged

These courses provide instruction for highly skilled, exceptional students in drawing, two-dimensional, or three dimensional original artwork. The courses assist these students in the preparation of a portfolio for the Advanced Placement program in studio art. There are three distinct portfolio options: the drawing portfolio, the two-dimensional portfolio, and the three dimensional portfolio. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

AP STUDIO ART, 2-D DESIGN 1, 2 0367, 0368

Meets “A - G” requirement

Prerequisites Two full years of high school art with a grade of “B” or better, teacher recommendation.

Materials fee charged

These two courses offer college credit for exceptional students in drawing or two-dimensional original artwork. Students are guided through all aspects of the creation of art for a portfolio that will be sent for examination by the AP College Board. While students do not need to submit a portfolio to earn a weighted grade (for an A, B, or C), they must submit the portfolio for examination to earn college credit.

AP ART HISTORY (10-12) 0381, 0382

Meets “A - G” requirement

There will be expected summer reading and preparation for this course.

This course provides a global and thematic survey tracing the major movements in art, from the earliest times to the present. Master works of architecture, sculptures, and painting from the Western and non-Western traditions are discussed within the social, religious, and intellectual context of their creation. Students learn to discuss and write about art, as well as to explain the purposes and functions of art, along with its formal elements and principals. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

MUSIC

AP MUSIC THEORY 1, 2 (10-12) 5373, 5374

Meets “A - G” requirement

Prerequisite Teacher recommendation.

A course designed for the student who is serious about learning the fundamentals of music, writing, and analyzing music compositions, and has prior musicianship. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

PE MARCHING BAND UNIT (9-12) 5843

Prerequisite Teacher recommendation; instrument played will determine class period/section.

Grade 9 students have a zero period P.E. class

A fall semester course that includes physical fitness activities and instruction in performing marching activities. Any student desiring to be in the Marching Band must take this course in the fall. Weekend performances and rehearsals outside of normal school hours are part of the course and will be graded.

COLOR GUARD: PHYSICAL EDUCATION – DRILL TEAM (9-12) 5842.2

Prerequisites Teacher recommendation.

Co-ed, year-long course. Physical fitness activities and instruction in performing routines. Students will be assigned from the recommendation of the department.

INTERMEDIATE BAND (9-12) 5320, 5321

Meets “A - G” requirement

Prerequisite Ability and desire to play an instrument and teacher recommendation.

A year-long course offered to students who have completed beginning band work or who have desire to learn how to play a new or additional instrument.

JAZZ ENSEMBLE 1, 2 (9-12) 5330, 5331

Meets “A - G” requirement

Prerequisite: Instructor approval.

This course is for a selected instrumentation and/or voices of musically experienced students. It will usually consist of an ensemble appropriate for performing a variety of jazz literature. Students will learn skills and techniques necessary for performing jazz literature. Jazz Ensemble students will present more frequent public performances.

WIND ENSEMBLE 1, 2 (9-12) 5133

Meets “A - G” requirement

Prerequisite: Selection by teacher based on audition.

This two-semester course is designed for students who have exhibited advanced competency in instrumental playing. In this course, students develop advanced ensemble skills and techniques while learning to play challenging instrumental ensemble literature. Students also participate in frequent public performances.

CHOIR 1, 2 (5050, 5051)

Meets “A - G” requirement

This standards based course provides instruction in the basic principles of musicianship and promotes familiarity with standard choral literature. Choir may be made up of mixed voice or separate groups selected on the basis of voice quality or range. This course is designed for students with no previous choral experience.

CHOIR 3, 4 (9-12) 5055, 5056

Meets “A - G” requirement

Prerequisites Selection is by teacher

Two semester course designed to provide students interested in some singing experience as a prerequisite for advanced performing vocal groups. Weekend performances and rehearsals outside of normal school hours are part of the course and will be graded.

CHORAL ENSEMBLE 1, 2 ADVANCED (9-12) 5365, 5366

Meets “A - G” requirement

Prerequisites Selection is by teacher with audition.

This two-semester course is the most advanced in the choral music program. In addition to choir performance, the ensemble may perform in madrigal and ensemble festivals and at community functions. Weekend performances and rehearsals outside of normal school hours are part of the course and will be graded.

ORCHESTRA (SENIOR HIGH) 1, 2 (9-12) (STRING ORCHRESTR) 5335, 5336

ORCHESTRA (SENIOR HIGH) 3, 4 (9-12) (STRING ORCHRESTR) 5337, 5338

Meets “A - G” requirement

Prerequisites Teacher recommendation.

A two-semester course designed to provide instruction in string ensemble and full orchestral techniques and literature. Extracurricular rehearsals and performances are considered part of the course and are graded.

MUSIC APPRECIATION 1, 2 (9-12) 5381, 5382

Meets “A - G” requirement

This course is a survey of music from primitive times to the present. Enjoyment and understanding of music are developed by listening, class discussion, and hands on musical activities and reading.

THEATRE

THEATRE 1, 2 (9-12) 1423, 1424

Meets “A - G” requirement

Act up and get away with it! Enthusiastically unleash your imagination through the art of acting. In this encouraging environment, the new drama student will develop fundamental acting skills through a variety of creative and exciting workshops, improvisations, Reader's Theater, and scene work. Students will also be introduced to the basics of technical theatre. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

THEATRE 3, 4 (10-12) 1425, 1426

Meets "A - G" requirement

Prerequisite Drama 1, 2 with a grade of "C" or better or teacher recommendation.

Let's have more fun! A continuation of Drama 1, 2 with much more emphasis on character study and development. Also learn important techniques that will prepare you to audition for stage, commercial, and film opportunities. Develop your skills as a director through script and scene study. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

THEATRE 5, 6 (11-12) 1427, 1428

Meets "A - G" requirement

Prerequisite Teacher recommendation.

Use it! Explore college theater programs and other career opportunities in the drama field. Advance your skills in directing concepts, acting skills, and play production. Participate in class and school productions.

Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.

THEATRE 7, 8 (11-12) 1429, 1430

Meets "A - G" requirement

Prerequisite Teacher recommendation.

Use it! Explore college theater programs and other career opportunities in the drama field. Advance your skills in directing concepts, acting skills, and play production. Participate in class and school productions.

Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.

TECHNICAL THEATRE 1, 2 (9-12) 1413, 1414

Meets "A - G" requirement

Quiet on the set! This class is designed for the student interested in "technical theater" who desires special instruction and hands-on training in scenic and lighting design, set construction, sound, costumes, and stage management. You will work on all main stage productions. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

TECHNICAL THEATRE 3, 4 (9-12) 1462, 1463

Meets "A - G" requirement

Prerequisites: Successful completion of Technical Theater 1,2 (1413, 1414) with a grade of B or better. Students also must pass a district-required safety test. **Note:** Participation in extracurricular theater productions is required as part of the course curriculum.

This course continues instruction begun in Technical Theatre 1, 2 and forms part of a sequential course of study in technical theater and production. Students who take this course will develop their own designs for school productions and execute them for performance. They will create designs for the sets, lighting, costumes, and sound of these productions—including sketches, ground plans, renderings, color charts/swatches, and models—and work with other designers and the director to develop a unified design scheme for each one. Students also will serve as crew chiefs during construction, supervising the work of Technical Theatre 1, 2 students. Stage-management responsibilities with full prompt books also will be required for all productions. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

MUSICAL THEATRE WORKSHOP 1, 2 (9-12) 1411, 1412

Meets "A - G" requirement

This course provides a guided workshop in which students can practice and polish their musical-theatre audition and performance skills. It requires students to be self-disciplined and able to set and reach individual goals to make the best use of available resources. Students are required to give individual and ensemble performances on a regular basis, and are expected to do homework outside of class, including research, report writing, and practice. This course includes the study of the musical theatre form, history and styles, as well as major figures in musical theatre. Instruction comes from a combination of departments, including theatre, music, and dance. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

MUSICAL THEATRE WORKSHOP 3,4 (10-12) 1453, 1454

Meets “A - G” requirement

Prerequisites: Successful completion of Musical Theatre Workshop 1,2 (1411, 1412) with a grade of B or better.

Note: Participation in extracurricular theater productions is required as part of the course curriculum.

This course provides students with a second year of instruction in the art of musical theatre. The course includes the study of audition techniques, musical theatre history, performance preparation and presentation, and show selection, design, and production. Other topics addressed include dramatic structure, character/lyric/text analysis, and casting/directing. Students in this course take part in individual and ensemble performances, including ones outside of class time.

PLAYWRITING AND DIRECTING 1, 2 (9-12) 1443, 1444

Meets “A - G” requirement

Prerequisite: Instructor approval.

Students in this course focus on either playwriting or directing. Students who choose playwriting are expected to work independently and complete at least one original one-act play during the two-semester course period. Plays in progress are reviewed and discussed weekly. Students in the directing focus will acquire basic skills as intern directors for Drama 1,2 classes. In the second semester, they will either select and direct a one-act play, using student actors, or serve as student directors on a major school production. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

ARTS MANAGEMENT 1, 2 (11-12) 8691, 8692

ROP Prerequisite: Must be 16 years old

This course is intended to act as a capstone class in the arts, media and entertainment career path. It provides entry-level and advanced training in the field of arts management. Instruction covers business evaluation, market research, employment practices, administrative policies, as well as location, production and pricing theory. Students use nonprofit accounting methods to run a box office, and learn how to curate and market artistic works. Employment possibilities may be entrepreneurial in nature or may exist within existing organizations, in roles such as studio artist, gallery owner, and theater manager. Students completing the course with a grade of A or B are eligible to earn community college credits. **Note: Participation in extracurricular/ after school theatre productions is required as part of the course curriculum.**

VIDEO PRODUCTION

VIDEO PRODUCTION 1, 2 (9-12) 8373, 8374

Meets “A - G” requirement

Students learn to produce and direct television shows and operate all studio equipment, including cameras, video tape recorders, and character generators. Students learn the basics of script writing, the elements of story structure, and the basics of non-linear editing.

BROADCAST JOURNALISM 1, 2 (11-12) 8432, 8433

Meets “A - G” requirement

ROP Prerequisite: Must be 16 years old

This course provides instruction in digital video editing, script writing, reporting, sound editing, and presentation design. Students develop communication and technical production skills by preparing and presenting newscasts and enterprise reports in a broadcast environment. Students completing this course with a grade of A or B are eligible to earn community college credits.

MULTIMEDIA PRODUCTION 1, 2 (11-12) 8839, 8840 – *Marauder 5*
MULTIMEDIA PRODUCTION 3, 4 (11-12) 8841, 8842 – *Video Update*

Meets “A - G” requirement

ROP Prerequisite: Must be 16 years old

This course provides instruction in media technology and production. Instruction covers audio and video production, computer graphics and animation, and multimedia presentations, as well as the use of video recorders, cameras, projectors, special-effects generators, audio mixers, electronic keyboards, computers, scanners, digitizers, and printers. The media-production skills learned in this course also enhance the qualifications of students intending to work as graphic artists, photographers, programmers and musicians. Employment possibilities include Web designer, animator, sound technician and video-production assistant. Self-employment in the areas of video production, music, and graphic design also is possible. Students completing this course with a grade of A or B are eligible to earn community college credits.

ELECTIVES

AFJROTC

The mission of the AFJROTC program is to develop citizens of character dedicated to serving their nation and community. The objectives of AFJROTC are to educate and train high school cadets in citizenship; promote community service, instill responsibility, character, and self-discipline; and provide instruction in air and space fundamentals. The AFJROTC program is grounded in the Air Force core values of integrity first, service before self, and excellence in all we do. The curriculum emphasizes the Air Force heritage and traditions, the development of flight, applied flight sciences, military aerospace policies, and space exploration. Also included are leadership, communications, life skills, financial management, and career opportunities. Extra-curricular activities include: field trips, community service, drill teams, color guard, and scholarship opportunities. A uniform is provided and must be worn once a week. The course also encourages high school completion and higher education.

AFJROTC 1, 2 (9-12) 4511, 4512

Recommended Courses None

Physical education/ Military Science Elective credit

Aerospace Science 1: Frontiers of Aviation History

Leadership Education I: Citizenship, Character, and Air Force Tradition

AFJROTC 3, 4 (10-12) 4513, 4514

Recommended Courses AFJROTC 1, 2

Physical education/ Military Science Elective credit

Aerospace Science 2: The Science of Flight

Leadership Education 2: Communication, Awareness, and Leadership

AFJROTC 5, 6 (11-12) 4515, 4516

Recommended Courses AFJROTC 1,2,3,4

Physical education/ Military Science Elective credit

Aerospace Science 3: An Introduction to Astronomy

Leadership Education 3: Life Skills and Career Opportunities.

AFJROTC 7, 8 (12) 4517, 4518

Recommended Courses AFJROTC 1, 2, 3,4,5,6

Physical education/ Military Science Elective credit

Aerospace Science 4b: Policy and Organization or 4e: Management of the Cadet Corps

Leadership Education 4: Principles of Management

ASSOCIATED STUDENT BODY (ASB)

STUDENT GOVERNMENT (9-12) 8431.2

Prerequisites Teacher approval and a 2.0 GPA in scholarship and citizenship are required, with no F's or U's.

This year-long course affords both elected and appointed student body officers guidance, in-service training, and practical experience in student government and democratic leadership. Students are required to work in the student store during lunch.

AVID

SENIOR HIGH AVID (9-12) 8060.2

AVID is a grade 9-12 program to prepare students in the academic middle for four-year college eligibility. AVID targets students in the academic middle - B, C students - who have the desire to go to college and the willingness to work hard. Typically, they will be the first in their families to attend college, and many are from low-income or minority families. For one period a day, students learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and college tutors, and participate in enrichment and motivational activities that make college more attainable.

DANCE

DANCE TEAM : PHYSICAL EDUCATION – DRILL TEAM (9-12) 5842.2

Prerequisites Minimum GPA of 2.0, with no grades of "F" or "U".

Selection is by teacher with audition.

Focus on dance basics and techniques in a variety of styles, including military and hip hop, at a competitive level.

PHYSICAL EDUCATION

PHYSICAL EDUCATION (9) 5511.2

Note: All 9th grade students must enroll in Physical Education. All 9th grade students must also pass the FITNESSGRAM or re-enroll in Physical Education each year until the FITNESSGRAM is passed. Soccer/FB/BB/VB/HB/SB/Bad/Ten. A full year course introducing skills, basic game rules, and strategies in a wide variety of team and individual sports. Physical fitness activities are emphasized, along with the wide exposure to other sports

PHYSICAL EDUCATION (10 – 12) 5711.2

Soccer/FB/BB/VB/HB/SB/Bad/Ten. A full year course introducing skills, basic game rules, and strategies in a wide variety of team and individual sports. Physical fitness activities are emphasized, along with the wide exposure to other sports

PHYSICAL EDUCATION - INTERSCHOLASTIC ATHLETICS (9-12) 5712.2

Prerequisite 2.0 GPA in scholarship and citizenship and approval of coach.

Opportunities in interscholastic competition at varsity and junior varsity levels, grade 9 girls volleyball, and grade 9 football.

FALL SPORTS: (Sept.-Nov.) Boys/girls cross country, girls field hockey, football, girls tennis, girls volleyball, boys water polo, girls golf.

WINTER SPORTS: (Nov.-Feb.) Boys/girls basketball, boys/girls soccer, wrestling, girls water polo.

SPRING SPORTS: (Feb.-June) Coed badminton, baseball, boys golf, lacrosse, softball, boys/girls swimming/diving, boys tennis, boys volleyball, boys/girls track and field.

PHYSICAL EDUCATION - WEIGHT TRAINING (11-12) 5711.2A

Students will establish a set of personal fitness goals and create a personal strength-training and conditioning program that fits the individual. Techniques such as Olympic lifting, proper spotting, Kettle bells, core strength movements, and cardiovascular exercises will be used to improve physical strength and fitness. Social interaction such as group dynamics, setting personal goals, and the study of healthy lifestyle goals will encourage students to improve themselves both mentally and physically.

WORLD LANGUAGES

FILIPINO 1, 2 (9-12) 2395, 2396

Meets "A - G" requirement

This introductory course, open to all students who wish to learn Filipino, is intended to develop limited facility in each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is on development of the ability to speak fluently with accurate pronunciation and intonation, while fostering an appreciation of the culture.

FILIPINO (TAGALOG) 3, 4 (9-12) 2397, 2398

Meets "A - G" requirement

Prerequisite A grade of "C" or better in Filipino 1, 2.

Intended to develop limited facility in each of the major communications skills: listening, reading, speaking, and writing. Major emphasis is on development of the ability to speak fluently with accurate pronunciation and intonation, while fostering an appreciation of the Filipino culture.

FILIPINO (TAGALOG) 5, 6 (9-12) 2403, 2404

Meets "A - G" requirement

Prerequisite A grade of "C" or better in Filipino 3, 4.

Intended to develop limited facility in each of the major communications skills: listening, reading, speaking, and writing. Major emphasis is on development of the ability to speak fluently with accurate pronunciation and intonation, while fostering an appreciation of the Filipino culture.

FRENCH 1, 2 (9-12) 2001, 2002

Meets "A - G" requirement

The four language skills - listening, speaking, reading, and writing - are developed simultaneously. Emphasis is on oral communication and active classroom participation by the student. This course will cover essential vocabulary and basic grammar structures of the French language. Culture and civilization are also studied.

FRENCH 3, 4 (9-12) 2003, 2004

Meets "A - G" requirement

Prerequisites A grade of "C" or better in French 1, 2.

Continuation of French 1, 2 with an introduction to more sophisticated verb conjugation and vocabulary development. Reading material is more complex and it offers deeper discussions about target cultures.

FRENCH 5, 6 (9-12) 2005, 2006**Meets “A - G” requirement**

Prerequisites A grade of “C” or better in French 3, 4.

In this course, both oral and written communication is stressed with a strong emphasis on vocabulary and grammar, including grammar review and continued study of more complex grammar, such as the imperfect, subjunctive, and the conditional. Numerous oral and written activities provide opportunities for students to apply newly acquired skills. Students are also encouraged to relate the material to their own experiences. Reading is taught through cultural and literary selections that build vocabulary and serve as stimulus for discussion. This class is conducted primarily in French.

AP FRENCH LANGUAGE 1, 2 (10-12) 2013, 2014**Meets “A - G” requirement**

Prerequisites A grade of “B” or better in previous year of French.

Emphasis will be placed on the listening, speaking, reading, and writing skills needed to pass the AP French Language exam. Course content is the same as French 7, 8. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

SPANISH 1, 2 (9-12) 2321, 2322**Meets “A - G” requirement**

Spanish 1, 2 is an introductory course for the novice learner who has little or no prior experience with the language. Students will develop basic skills in listening, comprehension, speaking, reading and writing as well as develop an appreciation for the culture.

SPANISH 3, 4 (9-12) 2323, 2324**Meets “A - G” requirement**

Prerequisites A grade of “C” or better in Spanish 1, 2.

A continuation of Spanish 1, 2, which introduces more complex structures and a wider range of vocabulary, including an introduction to Spanish terms used in the local job market to communicate with Spanish-speaking customers.

SPANISH 5, 6 (9-12) 2325, 2326**Meets “A - G” requirement**

Prerequisites A grade of “C” or better in Spanish 3, 4 and/or teacher recommendation.

Students continue to improve their speaking. Listening, reading, and writing skills by listening to native speakers, various media presentations, and class discussions. Text includes more advanced structure and literature that will further students’ understanding of Spanish-speaking cultures.

HONORS SPANISH 7, 8 (9-12) 2307, 2308**Meets “A - G” requirement**

Prerequisites A grade of “B” or better in Spanish 5, 6 and/or teacher recommendation.

This course is intended to increase students’ proficiency in the four major language skills. Students will speak about everyday situations, current events, leisure, cultural contents; read articles from periodicals, short literary works, essays, and songs; write letters, summaries, articles, short stories and songs; and understand information from discussions, questions, and in-depth materials relating to shared interests. Great emphasis is placed on Spanish and Latin American music, cinema, and art.

SPANISH FOR SPANISH SPEAKERS 1, 2 (9–12) 2345, 2346**Meets “A - G” requirement**

Native speakers will be taught how to write, speak, and comprehend formal Spanish in order to become bilingual and bicultural. The class will focus on using appropriate oral and written language styles in various contexts.

SPANISH FOR SPANISH SPEAKERS 3, 4 (10–12) 2347, 2348**Meets “A - G” requirement****Prerequisite:** A grade of "C" or better in Spanish for Spanish Speakers 1, 2.

A continuation of Spanish for Spanish Speakers, which introduces more complex structures and a wider range of vocabulary.

SPANISH FOR SPANISH SPEAKERS 5, 6 (11–12) 2349, 2350**Meets “A - G” requirement****Prerequisite** A grade of "C" or better in Spanish for Spanish Speakers 3, 4.

A continuation of Spanish for Spanish Speakers, which introduces more complex structures and a wider range of vocabulary.

AP SPANISH LANGUAGE 1, 2 (11-12) 2333, 2334**Meets “A - G” requirement****Prerequisite** Three consecutive years of Spanish with a grade of "C" or better.

This course is designed for students who wish to pursue the equivalent of a third-year, college-level Spanish course. Students will work intensively on improving the four major skills: listening, reading, speaking, and writing. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

AP SPANISH LITERATURE 1, 2 (11-12) 2339, 2340**Meets “A - G” requirement****Prerequisite** Three consecutive years of Spanish with a grade of "C" or better.

This course is designed for students who wish to pursue the equivalent of a third-year, college-level course in Spanish literature. Based on an analysis of literary works of five Spanish and Latin American writers. Most of the projects will be developed around the readings. Critical and creative writing are a fundamental component of the class. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

PRACTICAL ARTS

BUSINESS

COMP. APP. IN BUSINESS 1, 2 (9-12) 0723, 0724

This class meets your computer literacy requirements for graduation.

Improve your computer skills and develop your student profile for Senior Exhibition using a PowerPoint presentation, surf the Internet for careers and college/university requirements, and enhance your job skills by producing professional and business documents. Students completing this course with a grade of A or B are eligible to earn community college credits.

TOOLS OF THE DIGITAL AGE 1, 2 (11-12) 8651, 8652

ROP Prerequisite: Must be 16 years old

This class meets your computer literacy requirements for graduation.

Gain computer skills to get a high paying job, as well as units of college credit with a grade of "B" or better. Learn the software required by employers and colleges – Microsoft Word, PowerPoint, Excel, and Access. Students may work at job sites doing office work during class time to reinforce skills learned in class. Work on your Senior Exhibition in class using PowerPoint and create a professional looking presentation. Students completing this course with a grade of A or B are eligible to earn community college credits.

CREATIVE COMMUNICATIONS

AP PSYCHOLOGY 1, 2 (10-12) 6834, 6835

Meets "A - G" requirement

Students are introduced to the systematic and scientific study of the behavior, thoughts, and emotions of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the five major sub fields within psychology. This is a year-long course that culminates with the AP exam. While students do not need to take the AP exam to earn a weighted grade (for an A, B, or C), they must take the exam to earn college credit.

PUBLIC SPEAKING 1, 2 (9-12) 1415, 1416

Designed to improve speaking skills for personal or career reasons in a non-threatening atmosphere. Students will be introduced to various types of speeches, interpretive readings and performances, congress, debate, story telling, panel discussions, and research skills.

PUBLIC SPEAKING 3, 4 (10-12) 1417, 1418

Prerequisite Public Speaking 1, 2 or teacher recommendation.

An advanced continuation of Public Speaking 1, 2. Experiences are provided through participation in various California high school speech tournaments.

PUBLIC SPEAKING 5, 6 (11-12) 1419, 1420

Meets "A - G" requirement

Prerequisite Public Speaking 3, 4 and/or teacher recommendation.

An advanced continuation of Public Speaking 3, 4. Experiences are provided through competition in various California high school speech tournaments.

WRITERS WORKSHOP (JOURNALISM) 1745, 1746

Meets “A - G” requirement

Prerequisite A minimum 2.5 GPA in scholarship and citizenship is required. Must submit an application and be accepted by the teacher. Introduction to print journalism skills. Emphasis is on the content and style of high school newspapers. Participation in the monthly publication of The Marquee as a reporter, photographer, or page editor. Get to know your school and learn how to conduct interviews, write journalistically, peer edit, and work as a team. Strong writing, communication, and computer skills are recommended.

WRITER’S WORKSHOP (YEARBOOK) (9-12) 1745, 1746

Meets “A - G” requirement

Prerequisites Dedicated students who know how to have fun while working after school. Must have a 2.0 GPA in scholarship and citizenship, submit an application, and be interviewed and accepted by the teacher.

A great course for both college applicants and those wanting to go from school right to a career. You will learn layout design, photography, journalistic writing, computer layouts, or business and sales. You will work with a team that traditionally creates award-winning yearbooks.

FAMILY AND CONSUMER STUDIES

HUMAN PSYCHOLOGY & FAMILY SOCIOLOGY (10-11) 1154 -1155

Meets “A - G” requirement

A year-long course for students attracted to the study of family structure, intrigued by the theories of human psychology, and interested in the ways that child development is affected by these. This course addresses issues of child abuse, media influences, drug abuse, and communication between family members. Hands-on activities include the baby-think-it-over program and a pregnancy simulation.

INTRODUCTION TO TEACHING AND LEARNING 1, 2 (11-12) 8784, 8785

Meets “A - G” requirement

ROP Prerequisite: Must be 16 years old

This is a year-long course for students interested in a teaching, counseling, or education administration career. Students train and prepare for employment as a teacher's aide under the supervision of an elementary or high school teacher. Students completing this course with a grade of A or B are eligible to earn community college credits.

FOODS

CULINARY ARTS & MANAGEMENT 1-2 (11-12) 8760, 8761

CULINARY ARTS & MANAGEMENT 3-4 (11-12) 8762, 8763

ROP Prerequisite: Must be 16 years old

2 Hour Block Class

A year-long, two-hour block course designed for students considering a career in the food service industry or for those who just want to impress family and friends. Plan, prepare, and serve exciting gourmet and ethnic foods while examining and eating foods of various cultures. Get connected with an internship and mentoring program in San Diego restaurants, which will enhance your resume. Students completing this course with a grade of A or B are eligible to earn community college credits.

FOOD PREPARATION & NUTRITION 1, 2 (9-12) 1165, 1166

Eat your way to better nutrition in this yearlong course. You will study proper food handling and preparation techniques, learn tips on purchasing fresh, nutritious foods at an economical price, become aware of various common eating disorders, and discover that healthy eating is not a difficult behavior to learn. Various methods of food preparation will be studied.

INDUSTRIAL TECHNOLOGY

EXPLORING TECHNOLOGY (9) 3545

Exploring Technology is designed to introduce students to a wide variety of careers through a series of hands-on experiences, while reinforcing the academic core. The program consists of 16 self directed instruction modules. Each module is 10 days long. The modules deal with topics such as robotics, electronics, pneumatics, hydraulics, desktop publishing, engineering, aerospace, and computer aided drafting.

INTRODUCTION TO ENGINEERING AND DESIGN 1, 2 (9-12) 3542

Meets "A - G" requirement

Prerequisite Successful completion or current enrollment in Geometry 1, 2.

A one-hour, year-long, nationally affiliated course that fills the computer literacy requirement for graduation. Students learn about the principles of design engineering through competitive, open-ended projects. A 3-D computer-aided design program is used extensively.

PRINCIPLES OF ENGINEERING 1, 2 (11-12) 8847, 8848

PRINCIPLES OF ENGINEERING 3, 4 (11-12)

Meets "A - G" requirement

Prerequisite Successful completion of Algebra 2.

ROP Prerequisite: Must be 16 years old

A one-hour, year-long course exploring Aerospace, Mechanical, Electrical, and Civil Engineering. Students gain real world experience and understanding through competitive design projects, i.e. a remote-controlled glider and battlebot robots. Computer applications, including 3-D AutoCAD, are used extensively. Students completing this course with a grade of A or B are eligible to earn community college credits.

ENGINEERING DESIGN & DEVELOPMENT 1, 2 (12) 8404, 8405

ENGINEERING DESIGN & DEVELOPMENT 3, 4 (12) 8406, 8407

Meets "A - G" requirement

Prerequisite A grade of "B" or better in ROP Principles of Engineering 1, 2 and teacher recommendation.

ROP Prerequisite: Must be 16 years old

A one-hour, year-long course providing seniors with an opportunity to enter local and national engineering competitions, i.e. Walk on Water sponsored by USD and the Rocket Team Challenge sponsored by AIA and First Robotics. Students completing this course with a grade of A or B are eligible to earn community college credits.

COMPUTERIZED GRAPHIC DESIGN 1, 2 (11-12) 8511, 8512

COMPUTERIZED GRAPHIC DESIGN 3, 4 (11-12) 8513, 8514

ROP Prerequisite: Must be 16 years old

This course provides entry-and intermediate-level training in computerized graphic design. Students learn basic computer operations, employing page layout, illustration and photo-manipulation software; peripheral use, including scanners and plotters, and file-management integration. Instruction covers typography, design elements, color management, and hand-drawing techniques. The creative and technical process of project management also is taught, with an emphasis on concept-to-completion planning. 180 hours is needed to complete the course. Students completing this course with a grade of A or B are eligible to earn units of community college credit.

SCREEN PRINTING (10-12) 8882, 8883

ROP Prerequisite: Must be 16 years old

2 Hour Block Class

Students have only four opportunities to pass required safety test.

This course provides professional training in screen printing production. Students learn all aspects of the process: software applications, design, screen preparation, and multi-color T-shirt and sticker printing. Students completing this course with a grade of A or B are eligible to earn units of community college credit.

GRAPHIC COMMUNICATIONS TECHNOLOGY 1, 2 (10-12) 3621, 3622

Students have only four opportunities to pass required safety test.

This year-long course will introduce students to the field of graphic communications. Students will learn the design principles, layout techniques, and software pertaining to printing and vinyl applications. Students will design and print various media.

GRAPHIC COMMUNICATIONS TECHNOLOGY 3, 4 (11-12) 3623, 3624

Prerequisites Graphic Communications Technology 1, 2 and teacher recommendation.

Students have only four opportunities to pass required safety test.

A continuation of Graphic Communications Technology 1, 2. Students will gain more in-depth knowledge of the graphic arts field. A professional approach will be taken in the areas of software applications, printing, screen printing, and vinyl graphics.

TRANSPORTATION TECHNOLOGY 1, 2 (11-12) 3671, 3672**TRANSPORTATION TECHNOLOGY 3, 4 (11-12) 3673, 3674**

ROP Prerequisite: Must be 16 years old

2 Hour Block Class

This course is designed for students interested in a basic overview of the entire automobile and an understanding of how each component system works. Students explore the nature and function of automotive machinery by working on automotive components and “live” vehicles. They are encouraged to develop salable skills, and continue to receive information relative to careers in the automotive industry. Precision workmanship and neatness are stressed. Special attention is given to the development of habits concerning safety and cooperative working relationships. Students completing this course with a grade of A or B are eligible to earn units of community college credit.