TEMECULA VALLEY HIGH SCHOOL

2020 - 2021

The TVHS Course Catalog is available on the Temecula Valley Unified School District website at:

www.tvusd.k12.ca.us

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High School Graduation & College Entrance

TVUSD Graduation Requirements		CA State University & UC California Minimum Admission Requirements	
Subject Areas	**Credits**	**Entrance Requirements**	**Years/Semesters**
ENGLISH	40	ENGLISH	4 Years
WORLD HISTORY U.S. HISTORY GOVERNMENT	10 10 5	WORLD HISTORY U.S. HISTORY GOVERNMENT	2 Years Including 1 year of world history, cultures & geography; 1 year U.S. history or 1 semester of U.S. history & 1 semester of American government
ECONOMICS	5	Meets CSU/UC elective	1 Semester
MATHEMATICS To include Algebra 1	30	MATHEMATICS Math must include Algebra 1, Geometry, Algebra 2	3 Years (4 Recommended)
PHYSICAL EDUCATION	20		
SCIENCE: Physical Life	10 10	SCIENCE Lab Science in at least two of these three disciplines: Biology, Chemistry, Physics.	2 Years of laboratory science (3 Recommended)
FINE ARTS Choose courses from the Performing Arts Department, Visual Arts Department, or World Language Department.	10	VISUAL & PERFORMING ARTS Art, dance, music drama/theater and visual arts – refer to the UC a-g list. WORLD LANGUAGE Same Language	1 Year-long course 2 Years (3 Recommended)
ELECTIVES	70	ELECTIVES Additional College Prep Courses.	1 Year
TOTAL CREDITS REQUIRED FOR GRADUATION	220		

Non-Discriminatory Statement

All students are ensured an equal opportunity for admission in and access to the educational and co-curricular programs. Temecula Valley School District's policies, procedures, and practices ensure that there is no discrimination on the basis of race, color, national origin, gender (including sexual harassment), physical or mental disabilities.

This is in compliance with Title VI of the Civil Rights Act of 1964, the Title IX of the Education Amendments of 1972, and Section 504 of the Rehabilitation Act of 1975. The lack of English language skills will not be a barrier for admission and participation in any program. All students have equal education facilities and evaluation procedures, and there shall be equal allocations of vocational education funds. This nondiscrimination policy covers admission and access to, and treatment and employment in, all the Vocational Education Programs and activities.

A-G Requirements

Area	Subject	Years
a.	**History and Social Science** (including 1 year of U.S. history or 1 semester of U.S. history and 1 semester of civics or American government *AND* 1 year of social science)	2
b.	**English** (4 years of college preparatory English composition and literature)	4
c.	**Math** (4 years recommended) including Algebra I, Geometry, Algebra II, or higher mathematics (take one each year)	3
d.	**Laboratory Science** (including 1 biological science and 1 physical science)	2
e.	**Language Other than English** (2 years of the same language; American Sign Language is applicable)	2
f.	**Visual and Performing Arts** (dance, drama or theater, music, or visual art)	1
g.	**College Preparatory Elective** (additional year chosen from the University of California "a-g" list)	1
Total Required Courses Units		**15**

California Scholastic Federation Requirements

To be a CSF seal-bearer, a student needs to be a member at least four of the last 6 semesters of high school, including at least one semester of the senior year. (Freshman year does not count.) To qualify for CSF semester membership, follow these guidelines. Membership is neither automatic, mandatory, nor retroactive. Students must apply within the first four weeks of each semester.

1. You must earn a minimum of 10 points from last semester's grades.
   a. The first 4 points must be from List 1 (unless you are a senior applying for membership in February or June).
   b. The first 7 points (including the 4 points described in 'a") must be from Lists I and II.
   c. The remaining points may come from List I, II or III. Please see the CSF advisor for the lists indicated above.
2. You must use no more than 5 courses to qualify.
3. No CSF points are given for Physical Education courses, courses taken in lieu of Physical Education, subjects repeated to improve a grade, courses involving clerking or office/teacher assisting, and courses taken on a pass/fail basis.
4. CSF points are granted as follows:
   - Grade of A = 3 CSF points
   - Grade of B = 1 CSF point. (Note: a grade of B in an AP, IB, or Honors course earns 2 CSF points.) Grade of C = 0 CSF points.
   - Grade of D or F in any course, even in one you cannot use to qualify, disqualifies you from membership at this time.
5. An unsatisfactory citizenship grade will eliminate you from CSF membership for the semester.
   Also remember:
   1. Semester membership is based on work done in the previous semester. (Under very limited circumstances, summer school may also be used. Check with your advisor before listing such courses).
   2. You must reapply each semester.
   3. A Copy of last semester's report card must be attached to the application

National Honor Society

The National Honor Society is an organization established to recognize excellence in scholarship, service, leadership and character. It is both a privilege and honor to be invited for membership in this prestigious organization. In order to be invited for membership, a student must be second semester sophomore or junior or senior who has distinguished him/herself by attaining an overall academic 3.6 G.P.A., volunteered services enthusiastically and without monetary compensation to either school or community, exhibited exemplary leadership qualities as demonstrated in leadership position, and upheld principles of morality and ethics. Once a student becomes a member of a local school chapter, they must maintain excellence in scholarship, service, leadership and character. The National Honor Society not only acknowledges students for their accomplishments but also challenges them to further develop through continued involvement in school activities and community service projects.

NCAA (National Collegiate Athletic Association)

Participating in Collegiate Athletics after TVHS

If you are interested in playing at the next level, start preparing as early as your freshman year. Make sure your school counselor knows you are interested in playing collegiate athletics. Here are 4 steps to being prepared...

Step 1: Read the NCAA College-Bound Student Athlete Packet to understand the recruiting process and to help plan your athletic future. Recruiting calendars show blackout dates and recruiting restrictions.

Step 2: Go to the website and enter personal information. www.eligibilitycenter.org

Waivers are available to students who used fee waivers for SAT/ACT.

Step 3: Contact your school counselor

They will complete an initial-eligibility check to figure out your core GPA and if you are registered for the right high school classes that coordinate with your school's approved courses. If you have at least a 2.3 core GPA, you will know the minimum score needed on the SAT and ACT to become a qualifier. Turn in transcript request (preferably electronically) to allow your transcripts to be sent to NCAA.

Step 4: Register for the college entrance exams

ACT website is www.actstudent.com

SAT website is www.collegeboard.com

The NCAA recommends you register during your sophomore year. Early Academic Qualifiers are determined after your 6th semester. There is no deadline but it must be done before you begin your first year of college. College coaches need it done before your official visit senior year.

Dual Enrollment

This program allows students to use Mt. San Jacinto College (MSJC) courses to meet graduation requirements while earning college credits. The courses offered at TVHS are transferable to the University of California and California State University. If your sophomore or junior has a 3.0 or better GPA, they may qualify for the TVHS & MSJC Dual Enrollment Program in the 2019-2020 school year.

MSJC
MT. SAN JACINTO COLLEGE

Course Descriptions

History/Social Science

a-HISTORY/SOCIAL SCIENCE – 2 YEARS REQUIRED Two years of history/social science, including one year of World History, Cultures or Geography; and one year of US History or one-half year of US History and one-half year of American Government/Civics

World History A/B

Course # 1511/1512 **Grade Level:** 10

Prerequisites: None **Length:** Year

UC Approved: a – History/Social Science **Credits**: 5 per Semester

This course will study world history from the beginning of known democratic systems into the 20th century. Students study economics, politics, and the natural development of the world. Historical problems are discussed and related to the current scene.

AP Human Geography A/B

Course # 1523/1524 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: Elective Only **Credits**: 5 per Semester

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

US History A/B

Course # 1531/1532 **Grade Level:** 11

Prerequisites: None **Length:** Year

UC Approved: a – History/Social Science **Credits**: 5 per Semester

This course examines the major turning points in American history beginning with Manifest Destiny, the impact of the frontier, the changing nature of business and government, reform movements, World War I, the Great Depression, World War II, the growth of the United States as a world power, the Cold War and the struggle to achieve class, ethnic, racial, and gender equality. The course extends to the modern day. Contemporary world issues such as globalization, economic interdependence, terrorism and world cultures will also factor into our analysis of international conflict and cooperation. The California state standards provide both the framework and pace of this class.

AP US History A/B

Course # 1537/1538 **Grade Level:** 11, 12

Prerequisites: None **Length:** Year

UC Approved: a – History/Social Science **Credits**: 5 per Semester

The AP U.S. History course focuses on the development of historical thinking skills (chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative) and the development of students' abilities to think conceptually about U.S. history from approximately 1491 to the present. Seven themes of equal importance – American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society – provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. The course also allows teachers flexibility across nine different periods of U.S. history to teach topics of their choice in depth.

Government

Course # 1540 **Grade Level:** 12

Prerequisites: None **Length:** Semester

UC Approved: g – College Preparatory/Elective **Credits**: 5

This survey course covers the need for government in all societies. Starting with the principles of American democracy from our Democratic-Republican origins to contemporary socio-political issues, students will become informed and involved citizens of our community and nation.

Economics

Course # 1542 **Grade Level:** 12

Prerequisites: None **Length:** Semester

UC Approved: g – College Preparatory/Elective **Credits**: 5

This broad-ranging survey course is designed as a practical study of the functions of economic systems and a study of the American market economy. Emphasis is placed on critical thinking and rational analysis of the scope of economic concepts as well as international trade.

AP European History A/B

Course # 1551/1552 **Grade Level:** 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: a – History/Social Science **Credits**: 5 per Semester

The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides five themes (interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; and individual and society) that students explore throughout the course in order to make connections among historical developments in different times and places.

AP Government/Economics

Course # 1556/1557 **Grade Level:** 12

Prerequisites: None **Length:** Year

UC Approved: g – College Preparatory/Elective **Credits**: 5 per Semester

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Second semester students will receive AP credits towards graduation. First semester they earn Economic credits.

AP Microeconomics/Government

Course # 1558/1559 **Grade Level:** 12

Prerequisites: None **Length:** Year

UC Approved: a – History/Social Science **Credits**: 5 per Semester

AP Microeconomics is an introductory college-level course that focuses on the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. First semester they will receive government credits towards graduation. Second semester is AP Economics credits.

English

b-ENGLISH – 4 YEARS REQUIRED Four years of college preparatory English. Students may only use 1 year of ESL/ELD English

ENGLISH 9 A/B

Course # 1011/1012 **Grade Level**: 9

Prerequisites: None **Length**: Year

UC Approved: b – English **Credits**: 5 per Semester

This course introduces basic literary genres: short story, novel, poetry, drama, non-fiction, that the terminology necessary for discussing each type. The course also emphasizes essay development through thesis, support, elaboration, and conclusion. Editing and revision skills are emphasized. Writing assignments are linked to the academic standards to encourage personal writing and literary analysis. Oral speaking, listening and vocabulary skills are developed throughout the course. In addition to classroom reading, there is an outside reading requirement.

ENGLISH 10 A/B

Course # 1041/1042 **Grade Level**: 10

Prerequisites: None **Length**: Year

UC Approved: b – English **Credits**: 5 per Semester

English 10 A integrates the reading and study of classic world literature and contemporary multicultural fiction with writing and oral language, both in class and in independent outside reading. Writing instruction includes literary interpretation, literary style analysis, persuasive/argumentative writing, and the research process (including MLA format). Grammar and English usage skills are integrated with writing instruction. Vocabulary study includes vocabulary in the context of the literature and study of high frequency SAT words.

ENGLISH 11 A/B

Course # 1061/1062 **Grade Level:** 11

Prerequisites: None **Length**: Year

UC Approved: b – English **Credits**: 5 per Semester

English 11 A continues the study of literature. It combines writing instruction with the analytical skills needed for success in the workplace, community college, and four-year University. The research paper process begun in English 10 will be reviewed. It also reviews the grammar, usage, sentence structure and mechanics necessary to write at a college level. American literature is studied both chronologically and thematically. Class discussion, writing assignments, and regular homework are structured to stimulate high levels of critical thinking. This course requires outside reading.

AP English Literature Composition A/B

Course # 1071/1072 **Grade Level**: 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: b – English **Credits**: 5 per Semester

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

Expository Reading and Writing (ERWC) A/B

Course # 1076/1077 **Grade Level**: 12

Prerequisites: None **Length**: Year

UC Approved: b – English **Credits**: 5 per Semester

This course was developed by the California State University (CSU) system for high school seniors. The course is designed to better prepare college bound students to read expository texts and write expository essays; both skills are essential for college success. Expository reading and writing may be taken instead of English 12A. This class may also be used to validate students who were deemed "conditionally ready" for college English on their CAASPP – ELA test.

ENGLISH 12 A/B

Course # 1081/1082 **Grade Level**: 12

Prerequisites: None **Length**: Year

UC Approved: b – English **Credits**: 5 per Semester

This is the final course in a four-year sequence. It combines writing with the analytical skills needed for the 21st century workplace, a community college, and four year university. This course aids students in passing college entrance exams and in writing papers, including a research paper. It also reviews the grammar usage, sentence structure and mechanics necessary to write at the college level. In addition, both fiction and non-fiction literature are studied. Class discussion, writing assignments, oral presentations and regular homework are structure to stimulate high levels of thinking.

AP English Language & Comp A/B

Course # 1101/1102 **Grade Level**: 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: b – English **Credits**: 5 per Semester

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

English 101 - MSJC Dual Enrollment

Course # 1160 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length**: Semester

UC Approved: b – English **Credits**: 10

This course provides instruction in writing academic analytic essays. Students will learn to interpret and respond to sources analytically, conduct academic-level research, and incorporate those sources into research papers.

English 103 - MSJC Dual Enrollment

Course # 1161 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length**: Semester

UC Approved: b – English **Credits**: 10

This course provides continuing practice in the analytic writing begun in English 101. The course develops critical thinking, reading, and writing skills as they apply to the analysis of written texts (literature and/or non-fiction) from diverse cultural sources and perspectives. The techniques and principles of effective written argument as they apply to the written text will be emphasized. Some research is required.

Math

c-MATHEMATICS – 3 YEARS REQUIRED, 4 YEARS RECOMMENDED Three years of college preparatory mathematics that includes the topics covered in Elementary Algebra/Algebra 1, Geometry and Advanced Algebra/Algebra 2. Approved Integrated Math courses may be used to fulfill part or all of this requirement

Algebra 1 A/B

Course # 2051/2052 **Grade Level**: 9

Prerequisites: None **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

Topics covered include arithmetic operations with linear equations, ratio and proportion, systems of linear equations with two unknowns, operations with polynomials and rational expressions, use of formula, and solving quadratic equations by factoring and graphing. Successful completion of Algebra 1 is a high school graduation requirement.

Geometry A/B

Course # 2081/2082 **Grade Level**: 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

Geometry is a study of measurements, properties and relationships of points, lines and angles or more specifically, a study of the measurements, properties and relationships of triangles, quadrilaterals, circles, and the nature of deductive proofs and volume, area, perimeter, and surface area. Second semester Geometry is the continued study of measurements, properties and relationships of points, lines and angles or more specifically, a study of the measurements, properties and relationships of triangles, quadrilaterals, circles, and the nature of deductive proofs and volume, area, perimeter, and surface area.

Algebra 2 A/B

Course # 2091/2092 **Grade Level**: 9, 10, 11, 12

Prerequisites: Algebra 1 A/B **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

Algebra 2 A/B is a course designed to expand on the subjects covered in Algebra 1. Additional topics to be covered include fractional exponents, quadratic inequalities, binomial theorem, sequences, function concepts, exponential and logarithmic functions, and complex numbers.

Algebra 2 Plus A/B

Course # 2056/2057 **Grade Level**: 9, 10

Prerequisites: Algebra 1 **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

Algebra 2 Plus is designed to present the elements of Algebra 2 at an advanced and accelerated level. The content of this course includes the study of linear functions, quadratic functions, quadratic equations and complex numbers, polynomial functions, rational exponents and radical functions, exponential and logarithmic functions, rational functions, sequences and series, trigonometric ratios and functions, probability, data analysis and statistics.

Advanced Algebra with Financial Applications

Course # 2148/2149 **Grade Level**: 11, 12

Prerequisites: Algebra 2 A/B **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

This is an advanced mathematics-level (post Algebra 2) modeling course that is algebra-based, applications-oriented, and technology-dependent. This course addresses college preparatory mathematics topics from Advanced Algebra, Statistics, Probability, Precalculus, and Calculus under eight financial umbrellas: Discretionary Spending, Banking Services, Investing, Employment and Income Taxes, Automobile Ownership, Consumer Credit, Independent Living, and Retirement and Budgeting. The course allows students to experience the interrelation of mathematical topics, find patterns, make conjectures, and extrapolate from known situations to unknown situations. The mathematics topics contained in this course are introduced, developed, and applied in an as-needed format in the financial settings covered.

Math 90 A/B

Course #2058/2068 **Grade Level**: 11

Prerequisites: Recommendation **Length**: Year

UC Approved: Not A-G **Credits**: 5 per Semester

This course will cover solving linear equations, systems of linear equations, equations involving algebraic fractions, and quadratic equations by factoring and utilizing the Quadratic Formula. These skills will be applied to set up and solve application problems. Other topics include how to graph lines, conic sections, and exponential functions as well as perform arithmetic with both polynomial and rational expressions, and how to factor polynomials.

Math 96 A/B

Course #2059/2069 **Grade Level**: 12

Prerequisites: Math 90 or Recommendation **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

This course prepares the student for transfer-level math courses. Topics for this class include solving absolute value inequalities and radical equations along with systems of equations involving three variables. Application problems are an essential part of the course. The graphing of conic sections and several types of functions including exponential functions will also be covered. Function notation, domain, range and determining if a relation is a function will be explored.

AP Statistics A/B

Course # 2131/2132 **Grade Level**: 9, 10, 11, 12

Prerequisites: Algebra 2 **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

Develop analytical and critical thinking skills as you learn to describe data patterns and departures from patterns, plan and conduct studies, use probability and simulation to explore random phenomena, estimate population parameters, test hypotheses, and make statistical inferences.

MRWC

Course # 2133/2134 **Grade Level**: 11 or 12

Prerequisites: C grade or better in Geometry and Algebra 2 **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

MRWC is designed as a 4th year mathematics course following Algebra 1,2 and Geometry that will provide a bridge into multiple college and career options, including STEAM, CTE, and nontechnical pathways. Students successfully completing MRWC will have acquired content skills and attitudes towards learning that will be expected in entry-level college mathematics.

PreCalculus A/B

Course # 2101/2102 **Grade Level**: 10, 11, 12

Prerequisites: Algebra 2 **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

The analysis of functions will be studied in depth. These function types include polynomial, rational, exponential, logarithmic and non-trigonometric periodic functions. This analysis includes finding points of intersecting with the x- and y- axes, vertices and points of inflection n. The student is strongly advised to revisit and be fluent in fundamental algebraic skills prior to enrollment. In the 2nd semester, the continued analysis of functions will be studied in depth. These function types include polynomial, rational, exponential, logarithmic and non-trigonometric periodic functions. This analysis includes finding points of intersecting with the x- and y- axes, vertices and points of inflection n. The student is strongly advised to revisit and be fluent in fundamental algebraic skills prior to enrollment.

Accel PreCalculus B/AP Calculus A

Course # 2103/2111 **Grade Level**: 10, 11

Prerequisites: Algebra 2 and Recommendation **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

This is an accelerated course, combining Pre-Calculus B (Trigonometry) and the first semester of AP Calculus AB so that a student may complete the Calculus BC course in the second year. In the first semester, students study trigonometric functions, equations and applications as well as identities.

In the second semester, students will begin to study AP Calculus AB. This course is roughly equivalent to a first semester calculus course devoted to topics in differential and integral calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Accel Calculus AB B/ AP Calculus BC B

Course # 2112/2117 **Grade Level**: 11, 12

Prerequisites: Completion of Accel PreCalculus B/AP Calculus A **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

In the second year of the accelerated math course, students will complete AP Calculus AB and also complete the second year of AP Calculus BC so they can take the AP exam for Calculus BC in May.

In the second semester, AP Calculus BC-B implements the unifying themes of calculus like derivatives, integrals, limits, approximation, applications and modeling.

AP Calculus AB A/B

Course # 2110/2110B **Grade Level:** 11, 12

Prerequisites: PreCalculus **Length**: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

AP Calculus BC A/B

Course # 2121/2121B **Grade Level:** 12

Prerequisites: AP Calculus AB Length: Year

UC Approved: c – Mathematics **Credits**: 5 per Semester

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses. It extends the content learned in AB to different types of equations (polar, parametric, vector-valued) and new topics (such as Euler's method, integration by parts, partial fraction decomposition, and improper integrals), and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

Calculus D

Course # 2118 **Grade Level:** 12

Prerequisites: AP Calculus BC A/B **Length**: Semester

UC Approved: c – Mathematics **Credits**: 5

This honors level advanced mathematics course includes the calculus of functions of several variables, three dimensional analytic geometry, vector fields and vector calculus, partial derivatives, and multiple integrals.

Introduction to Differential Equations

Course # 2135 **Grade Level:** 12

Prerequisites: AP Calculus BC A/B **Length**: Semester

UC Approved: c – Mathematics **Credits**: 5

This is an honors course in advanced mathematics that teaches matrix algebra determinants vector spaces, eigenvalues and eigenvectors, and independence. A partnership agreement with CSU San Marcos enables students who successfully complete the course to pay a fee and earn college credit.

Math 105– MSJC Dual Enrollment

Course # 2127 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length**: Semester

UC Approved: c – Mathematics **Credits**: 15

Math 105 is a first semester course in the Dual enrollment program that allows high school students to earn college and high school credit while meeting graduation requirements. Students interested in taking this course must first pass an academic skills leveled test required by MSJC. For some students it may be an additional option other than taking AP or IB course to achieve college credit in both academic and vocational pathways.

Math 110 – MSJC Dual Enrollment

Course # 2128 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length**: Semester

UC Approved: c – Mathematics **Credits**: 15

Math 110 is a Second semester course in the Dual enrollment program that allows high school students to earn college and high school credit while meeting graduation requirements. Students interested in taking this course must first pass an academic skills leveled test required by MSJC. For some students it may be an additional option other than taking AP or IB course to achieve college credit in both academic and vocational pathways.

Science

d- LABORATORY SCIENCE – 2 YEARS REQUIRED, 3 YEARS RECOMMENDED Two years of laboratory science, including two of the three fundamental disciplines of Biology, Chemistry and Physics. This requirement can also be met by completing the latter two years of a 3-year Integrated Science program

Biology A/B

Course # 3021/3022 **Grade Level:** 9

Prerequisites: None **Length:** Year

UC Approved: d – lab science **Credits**: 5 per Semester

This course teaches an appreciation of living forms and the relationship of organisms to one another and to their environment. Students also gain an understanding of the chemical components that make up plants, animals, and microorganisms.

Chemistry A/B

Course # 3521/3522 **Grade Level:** 10

Prerequisites: None **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

Chemistry A is the first year of a 2-3 year program designed to increase scientific literacy and to prepare students for higher education and work in the biotechnology and manufacturing industries. It is designed for tenth grade students of all academic level and teaches introductory math and chemistry needed to perform biotechnology laboratory operating procedures. These procedures include documenting laboratory experiments, following oral and written instruction, conducting volume and mass measurements, using standard safety practices, collecting and analyzing data, preparing solutions and media, using sterile technique, preparing cell cultures, isolating and analyzing DNA and proteins and performing electrophoresis.

Physics A/B

Course # 3541/3542 **Grade Level**: 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

This course, in conjunction with biology and chemistry, provides the broadest exposure of fundamental science concepts students need for most introductory science courses at the college level. Physical concepts of motion, forces, momentum, energy, thermodynamics, waves, electricity, and magnetism are covered.

AP Biology A/B

Course # 3031/3032 **Grade Level**: 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

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.

Human Anatomy/Physiology A/B

Course # 3081/3082 **Grade Level**: 11, 12

Prerequisites: Biology B **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

Human anatomy and physiology specializes in the advanced study of the human body. The course provides a comprehensive overview of the physiological processes for each of the systems of the human body.

Earth Science and Space Science A/B

Course # 3412/3413 **Grade Level**: 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

This course will include topics on plate tectonics, mineral and energy resources, cycles of nutrients and our atmosphere. In the spring semester the course covers astronomy with an emphasis on our solar system, stars, electromagnetic spectrum, galaxies, and then climate controls like ocean currents, air and wind patterns. Learning will take place using research reading, writing and scientific experimentation and investigation skills. Each semester can be taken independently of each other, or a full year.

AP Environmental A/B

Course # 3071/3072 **Grade Level**: 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

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 of 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. This class may have homework during summer.

Astronomy A/B

Course # 3351/3352 **Grade Level**: 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

This college preparatory course will deal with the components of the universe. The semesters may be taken in either order as one is planetary and the other is stellar. It is recommended that they be taken in order.

AP Chemistry A/B

Course # 3531/3532 **Grade Level**: 10, 11, 12

Prerequisites: Recommended concurrent enrollment in Algebra 2 **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

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 topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course may have homework during summer.

AP Physics A/B

Course # 3551/3552 **Grade Level**: 10, 11, 12

Prerequisites: Recommended concurrent enrollment in Algebra 2 or higher **Length**: Year

UC Approved: d – lab science **Credits**: 5 per Semester

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 topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits.

Biology 115 – MSJC Dual Enrollment

Course # 3038 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length**: Semester

UC Approved: d – lab science **Credits**: 10

This introductory course includes a lecture and lab component and is designed for non-science majors and those who need a biology foundation before entering science major curriculum. This course emphasizes scientific inquiry in investigation of biological principles presented in an evolutionary context and an ecological

framework. Principles covered include molecular and cellular biology, biochemical processes, genetics, classifications, diversity of life, ecosystems, evolution, and current issues. Field trips may be required.

Biology 117– MSJC Dual Enrollment

Course # 3039 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length**: Semester

UC Approved: g-science elective **Credits**: 10

This course investigates the science of preserving biodiversity and sustaining the earth. This is an interdisciplinary, introductory course that examines the human impact on biodiversity and the earth. The course synthesizes the fields of ecology, evolution, genetics, philosophy, economics, sociology, and political science with emphasis on the development of strategies for preserving populations, species, biological communities, and ecosystems. This course is not intended for biology majors.

Marine Biology A/B

Course # 3051/3052 **Grade Level**: 11, 12

Prerequisites: None **Length**: Year

UC Approved: g-science elective **Credits**: 5 per Semester

Marine Biology is the study of various marine ecosystems including topics of food resources, maricultures, pollution and conservation. Students will have hands-on experience with local coastal species and their interaction with the Southern California environment.

Physical Geology 100– MSJC Dual Enrollment

Course # 3064 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length:** Semester

UC Approved: - g-science elective **Credits**: 10

This course offers the student an understanding of planet Earth as an isolated, uniform, and dynamic system. Topics range from materials in the earth (crystals and rocks) to planet processes (explosive volcanoes; devastating landslides; and glistening glaciers) to an understanding of our planet's interior (destructive earthquakes and fiery cracks within deep sea floors). We live on a satellite isolated in space; our interactions with this dynamic, fragile system will determine our ultimate survival.

Environmental Geology 103 – MSJC Dual Enrollment

Course # 3065 **Grade Level**: 11, 12

Prerequisites: Multiple Measures **Length**: Semester

UC Approved: g-other elective **Credits**: 10

This course will explore disasters such as earthquakes, hurricanes, landslides, volcanoes, floods, tsunamis, and asteroid and comet collisions of asteroids with earth. Emphasis will be placed on the causes and effects of natural hazards, and the dramatic impact of such events on humans, as well as the role of humans in exacerbating the dangers of the natural world.

Introduction to Forensics A/B

Course # 3405/3406 **Grade Level**: 11, 12

Prerequisites: None **Length**: Year

UC Approved: g-science elective **Credits**: 5 per Semester

This course is a laboratory-based course integrating the fundamental concepts of forensics, crime and death scene investigation with biotechnology methodologies. It is intended to increase technological skills needed for post-secondary education and to work in a modern laboratory.

Biosustainability

Course # 3407A/3407B **Grade Level**: 11, 12

Prerequisites: None **Length**: Year

UC Approved: g-science elective **Credits**: 5 per Semester

This Biology-based elective science course will utilize an interdisciplinary approach to examine topics in Biology, Chemistry, Physics and Earth Science, using a student designed, built and maintained aquaponics system. The aquaponics system will provide a model to study the intricate connections which exist in nature amongst living organisms, to learn applied science in an interdisciplinary setting and will emphasize critical thinking skills, problem solving, collaborative learning and community service while creating bridges to our local community. The solar powered aquaponics system will supply our Culinary Arts Academy with organically grown produce and fish, as well as make daily/weekly contributions to our local Temecula Valley Food Banks.

Students will be expected to monitor and maintain the integrity of the aquaponics system as well as design experimental growth beds to test methods for improving yield. By the end of the course, students should have assimilated sufficient knowledge to complete their exit project, which will see them successfully design a pilot aquaponics system.

This STEM course will require that students master content in all four major areas of study in science, while connecting the dots between content and understanding how each of the four sciences are at work in the system. A sampling of these content specific concepts that will be covered in BioSustainability:

- Biology- bacterial medium conversion of ammonia to nitrates, germination, plant growth models, photosynthesis, cellular respiration, fermentation, antibiotics, population growth models.
- Chemistry- water pH, nitrates, water testing, volume calculation, buffers, catalysts, nutrient cycling
- Physics- solar system design, batteries, loads, pump demands, flow calculations
- Earth Science- geology, nutrient content of grow media examined, effects of mineral/ rock content on water chemistry

World Language

e-LANGUAGE OTHER THAN ENGLISH – 2 YEARS REQUIRED, 3 YEARS RECOMMENDED

Spanish 1 A/B

Course # 4011/4012 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

Spanish 1 is designed to introduce the student to the language and culture of the Spanish-speaking people. It will focus on communication and comprehension through listening, speaking, reading, and writing. Vocabulary and grammatical structures are practiced in context with their communicative functions emphasized.

Spanish Speakers 2 A/B

Course # 4017/4018 **Grade Level:** 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

Spanish for Spanish Speakers 2 A/B is the second year of a sequence of a college Preparatory literature-based foreign language course designed to meet the needs of students who speak Spanish and who require additional formal instruction to develop their literacy to an optimum level. By integrating the complex nature of language acquisition and the multiple elements of language use in a comprehensive program of thinking, listening, speaking, and writing activities, students perfect their ability to communicate in a second language.

Spanish 2 A/B

Course # 4021/4022 **Grade Level:** 9, 10, 11, 12

Prerequisites: Spanish 1B **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

Spanish 2 is for the student who has successfully completed Spanish 1A and 1B. Instruction and practice will include reading, writing, speaking and listening in the target language. The class will be conducted in Spanish.

Spanish 3 A/B

Course # 4031/4032 **Grade Level:** 9, 10, 11, 12

Prerequisites: Spanish 2B **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

The aim of this course is to help students reach a higher degree of competence in the language as well as to explore different aspects of the culture of Spain and the Spanish speaking world. Upon completion of this course students will be able to use the language in a variety of situations and contexts, not only orally but also in writing.

AP Spanish Language A/B

Course # 4041/4042 **Grade Level:** 9, 10, 11, 12

Prerequisites: Spanish 3B **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

AP Spanish Literature A/B

Course # 4051/4052 **Grade Level:** 10,11,12

Prerequisites: Spanish 3B **Length:** Year

UC Approved: e- Language Other Than English **Credits:** 5 per semester

The AP Spanish Literature and Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, and essays) from Peninsular Spanish, Latin American, and United States Hispanic literature. Students develop proficiencies across the full range of communication modes (interpersonal, presentational, and interpretive), thereby honing their critical reading and analytical writing skills. Literature is examined within the context of its time and place, as students reflect on the many voices and cultures present in the required readings. The course also includes a strong focus on cultural connections and comparisons, including exploration of various media (e.g., art, film, articles, literary criticism).

Spanish 101 – MSJC Dual Enrollment

Course # 4053 **Grade Level:** 11, 12

Prerequisites: Multiple Measures **Length:** Semester

UC Approved: e – Language Other Than English **Credits**: 15

This course emphasizes pronunciation, oral practice, basic grammar of the Spanish language and study of the Hispanic culture and civilization.

Spanish 102 – MSJC Dual Enrollment

Course # 4054 **Grade Level:** 11, 12

Prerequisites: Multiple Measures **Length:** Semester

UC Approved: e – Language Other Than English **Credits**: 15

This course is a continuation of skills learned in Spanish 101. Students will become more proficient in the use of the Spanish language through reading, writing, listening and speaking. Student will gain more knowledge of the culture and civilization of the 21 Spanish speaking countries. Proper uses of object pronouns and past tenses will be emphasized.

American Sign Language 1 A/B

Course # 7707/7708 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

This course focuses on the lexicon, grammar, syntax, and both the manual and non-manual production strategies of ASL. The course introduces knowledge and understanding of deaf culture expanding on language structure, culture, and exposure to deaf art, poetry and other writings by deaf authors. Primary mode of instruction is ASL.

American Sign Language 2 A/B

Course # 7709/7710 **Grade Level:** 10, 11, 12

Prerequisites: American Sign Language 1 B **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

This course teaches intermediate ASL and sign language interpreting skills with an emphasis on educational interpreting in the K-12 setting. Deaf culture, ASL to English interpreting, interpreting in the public schools, language learning in deaf and hard-of-hearing children and legal, ethical and technical issues will be presented. The primary language for instruction will be ASL.

American Sign Language 3 A/B

Course # 7711/7712 **Grade Level:** 11, 12

Prerequisites: American Sign Language 2 B **Length:** Year

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

In American Sign Language 3 students will expand expressive and receptive signed vocabulary, utilize correct grammatical features of American Sign Language, increase knowledge of deaf cultural behaviors, values, and norms, and increase visual perception, visual memory, signed fluency, and length of signed interactions. ASL fulfills the foreign language requirement

American Sign Language 4 A/B

Course # 7713/7714 **Grade Level:** 11, 12

Prerequisites: American Sign Language 3 B
Length: Semester

UC Approved: e – Language Other Than English **Credits**: 5 per Semester

American Sign Language 4 offers students an expanded series of informal and formal linguistic learning activities designed to empower students to acquire higher level communicative skills and to develop the cultural competencies necessary to successfully interact with the deaf community. Special emphasis is given to application of language skills for personal enjoyment and within a professional context, and exploration of post-high school opportunities related to American Sign Language. ASL fulfills the foreign language requirement.

Visual & Performing Arts

f-VISUAL & PERFORMING ARTS – 1 YEAR REQUIRED

Video Media Arts A/B

Course # 5061/5062 **Grade Level:** 9, 10**,** 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Video Media Arts is a one year introductory level college preparatory course, which integrates rigorous academic standards with the pathway standards of the Arts, Media, and Entertainment industry sector and VAPA standards. Students collaborate and engage in all aspects of the production process in filmmaking, culminating in film editing to produce a story. Students analyze various genres of film to gain knowledge of different perspectives and techniques used to influence/entertain diverse audiences. This course provides a demanding pathway in which students develop both technical skills and the art of developing film stories in preparation for College and Career Readiness in the industry sector of Arts, Media, and Entertainment emphasizing on Media Support Services.

Art 1 A/B

Course # 6001/6002 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is designed to provide students with general knowledge, understanding, and appreciation of visual arts. Focus will be on the elements and principles of art using a variety of media. The course will encourage growth in artistic skills and will be a prerequisite to the next level of visual arts courses.

Art 2 A/B

Course # 6011/6012 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is designed for anyone who wants to learn or improve drawing and painting skills. Emphasis is on object representation using a variety of drawing media and water based paints. This course provides a foundation of visual arts concepts including the elements and principles.

Art 3 A/B

Course # 6021/6022 **Grade Level:** 10, 11, 12

Prerequisites: Draw/Paint 1B **Length**: Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is combined with the Advanced Placement Studio Art Class and is designed for the student who is interested in continuing serious study of visual arts. Individual styles and content will be encouraged through life drawing, painting, and printmaking.

AP Studio Art A/B

Course # 6026/6027 **Grade Level:** 10, 11, 12

Prerequisites: Audition Required **Length**: Year

UC Approved: f-Elective **Credits**: 5 per Semester

The AP Program offers three studio art courses and portfolios: Two-Dimensional Design, Three-Dimensional Design, and Drawing. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. Students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios — 2D Design, 3D Design and Drawing — corresponding to the most common college foundation courses. Students may choose to submit any or all of the Drawing, Two-Dimensional Design, or Three-Dimensional design portfolios. AP Studio Art students create a portfolio of work to demonstrate the artistic skills and ideas they have developed, refined, and applied over the course of the year to produce visual compositions.

Ceramics 1 A/B

Course # 6031/6032 **Grade Level:** 12

Prerequisites: None **Length**: Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is designed to give students a chance to explore the basic methods of construction and decoration of hand- built and wheel-thrown pottery. Ceramics 1A may be taken as a one semester elective.

Intermediate String Orchestra A/B

Course # 7011/7012 **Grade Level:** 9, 10, 11, 12

Prerequisites: Previous string training or experience **Length**: Year

UC Approved: f-Elective **Credits**: 5 per Semester

String Orchestra is a course for students who have had some previous training and experience in playing a string instrument. The emphasis in this course is on the development of individual technique and musicianship in order to prepare the student to progress to one of the more advanced classes. The String Orchestra may perform at special school events as assemblies, concerts, and festivals. Students borrowing school instruments are expected to insure them. Some performances outside of class time are required.

Guitar A/B

Course # 7018/7019 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: f-Elective **Credits**: 5 per Semester

The A section of this course is primarily focused on the basics of the instrument-chording, hand position and strumming while the B section focuses on more advanced techniques like flat and finger picking, chordal counterpoint, reading tablature and composing. This class is an excellent introduction to the guitar as a lifetime relationship, and the course is designed so that you need no experience at all to begin.

Intermediate Band A/B

Course # 7026/7027 **Grade Level:** 9

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is open to all qualified wind and percussion players. This group performs at athletic events, parades, competitions, and concerts, with the possibility of some travel. The course is oriented toward preparation and performance of high quality band literature ranging from classical to popular, as well as encouraging

improvement of individual music fundamentals and technical playing skills. Members are expected to assume the necessary self- discipline and responsibilities that contribute to the success of such an organization. The intermediate band combines with the advanced band and percussion class to form the marching band for semester “A”. Maintenance of academic eligibility of 2.0 will be required of all band members for performance.

Advanced Band A/B

Course # 7021/7022 **Grade Level:** 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is open to all qualified wind and percussion players. This group performs at athletic events, parades, competitions, and concerts, with the possibility of some travel. The course is oriented toward preparation and performance of high quality band literature ranging from classical to popular, as well as encouraging improvement of individual music fundamentals and technical playing skills. Members are expected to assume the necessary self- discipline and responsibilities that contribute to the success of such an organization. Maintenance of academic eligibility of 2.0 will be required of all band members for performances. Students will receive P.E. credit if taken in sophomore year or beyond.

Percussion A/B

Course # 7041/7042 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is open to all qualified percussion players. This group is part of the band and performs at athletic events, parades, competitions, and concerts with the possibility of some travel. The course is oriented toward preparation and performance of high quality band literature ranging from classical to popular, as well as encouraging improvement of individual music fundamentals and technical playing skills. Members are expected to assume the necessary self- discipline and responsibilities that contribute to the success of such an organization. Maintenance of academic eligibility of 2.0 will be required of all band members for performance. Offered first semester only. PE credit if taken in sophomore year or beyond.

Jazz Ensemble

Course # 7050/7051 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is open to all advanced band wind and percussion players. This group performs at concerts and festivals. This course is oriented toward preparation and performance of high quality jazz ensemble literature, as well as encouraging improvement of individual music fundamentals and technical playing skills. Members are expected to assume the responsibilities and self-discipline necessary to contribute to the success of such an organization. Maintenance of academic eligibility of 2.0 will be required of all jazz members for performance.

Mixed Chorus A/B

Course # 7067/7068 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Choral selections from the Renaissance to present day popular music in three and four part singing are prepared and performed at one concert each semester. Solo and ensemble singing provide additional performance practice. Members are expected to assume the necessary self-discipline and responsibilities that contribute to such an organization.

Show Choir A/B

Course # 7076/7077 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This performance group will provide musical entertainment featuring 20th century vocal styles (pop, jazz, ballad, swing, R&B, etc.). Performances will be at school functions, community events, music festivals, and vocal competitions. Choreography will be used to enhance the total entertainment value of this group. Member will be expected to show great dedication to each other and the entire group to ensure the highest quality of musicianship possible. Maintenance of academic eligibility of 2.0 will be required of all show choir members.

Concert Choir A/B

Course # 7071/7072 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Choral selections from the Renaissance to present day popular music in four and five part singing of high quality are prepared and performed at school functions and community events. Festival participation and competition is determined on a year-to-year basis. Solo and ensemble singing requirements provide additional performance practice. One formal concert is given each semester.

FA Dance A/B (Ignite)

Course # 7131/7132 **Grade Level:** 9, 10, 11, 12

Prerequisites: Audition Required **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is and exploration into a variety of dance expressions. Emphasis will be on Jazz, Modern and Ballet with various other dance styles touch upon. Students will also learn the basic elements of choreography. 9th graders may take the course as a fine arts elective in addition to PE 1. This course gives fine arts credit and requires additional work. See instructor for details. Each section must be taken in consecutive order.

Intermediate Dance A/B (Vitality)

Course # 7116/7117 **Grade Level:** 9, 10, 11, 12

Prerequisites: Audition Required **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Intermediate Dance is a year-long, proficient level course for students with at least one of dance training. Students will refine their understanding of alignment, balance, strength and agility, applying these principles to a variety of dance genres while expanding their ability to discuss, analyzes, and critique using dance vocabulary.

Advance Dance A/B (Alliance)

Course # 7119 **Grade Level:** 9, 10, 11, 12

Prerequisites: Audition Required **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Intermediate Dance is a year-long, Proficient level course for students with at least one of dance training. Students will refine their understanding of alignment, balance, strength and agility, applying these principles to a variety of dance genres while expanding their ability to discuss, analyze, and critique using dance vocabulary.

Drama 1A

Course # 7100/7101 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course may be taken one or two times a year. This course is designed to give the student an introduction to the many aspects of theater arts. Topics such a history, acting, improvisation, musicals, Radio Theater, mime, and others will be discussed and practiced. Students participate in class and individual projects combining theater skills to develop an understanding and appreciation of theater.

Intermediate Drama 1A

Course # 7105/7106 **Grade Level:** 10, 11, 12

Prerequisites: Drama 1 **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

The focus of this class will be improving acting techniques and theatre vocabulary in preparation for the Advanced Drama class. This class will be formatted as an acting workshop, honing audition and acting preparation skills.

Advanced Drama A/B

Course # 7110/7111 **Grade Level:** 9, 10, 11, 12

Prerequisites: Audition Required **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

The purpose of this course will be to provide further background and training for students pursuing advance dramatic skill. The goal of the course will be to provide the student with a more detailed background of the acting process. This course will include activities related to dramatic structure, character interpretation, tension building and period acting. Students will also receive instruction and practice with directing techniques and may direct a scene for presentation as a part of the course work.

Stage Tech A/B

Course # 7125/7126 **Grade Level:** 10, 11, 12

Prerequisites: Audition Required **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

This course is designed to prepare students to design, construct, and evaluate projects in stage construction, lighting, costume, sound, and makeup. These skills will be directly applicable to actual productions. Aspects of oral presentations, theater history, and stage management are integrated into the course.

College Preparatory Electives

g-ELECTIVE – 1 YEAR REQUIRED One year (two semesters), in addition to those required in "a-f" above. All courses must be listed under "a-f" above with the exception of courses with a Diamond (♦) in Mathematics, Language Other than English, and VAPA; Plus the following:

Creative Writing 11-12

Course # 1301 **Grade Level**: 11, 12

Prerequisites: None **Length**: Semester

UC Approved: g-Elective **Credits**: 5

This semester course is designed for students who enjoy writing.

AP Seminar

Course # 1314/1315 **Grade Level**: 11

Prerequisites: None **Length**: Year

UC Approved: b-Elective **Credits**: 5

AP Capstone is built on the foundation of two AP courses — **AP Seminar** and **AP Research** — and is designed to complement and enhance the in-depth, discipline-specific study experienced in other AP courses. **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 research- based 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.

AP Seminar

Course # 1314/1315 **Grade Level**: 10,11 (recommended)

Prerequisites: None **Length**: Year

UC Approved: G-Elective **Credits**: 5

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 research-based 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.

AP Research

Course # 1316/1317 **Grade Level**: 11,12 (recommended)

Prerequisites: AP Seminar **Length**: Semester

UC Approved: Pending UC approval **Credits**: 5

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

Film Studies 11-12

Course # 1370 **Grade Level**: 11, 12

Prerequisites: None **Length**: Semester

UC Approved: b-Elective **Credits**: 5 per Semester

This semester long course will introduce students to cinematic conventions, terminology, and techniques focusing on American Cinema. The intent of the course is to increase students' awareness of film composition and understanding of how film communicates a message, thereby improving their observation of film and

making them more astute critics of film. Because of the nature of the course, students will be assessed primarily through their weekly written essays.

Yearbook A/B

Course # 8701/8702 **Grade Level**: 9, 10, 11, 12

Prerequisites: Application Required **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

This course is designed to provide practical, specific experiences with the goal of publication of the yearbook. Topics that will be covered include writing copy, captions and headlines, planning and drawing layouts, photography, communication skills, independent thinking skills, and responsibility. Members are expected to assume the responsibilities and self-discipline necessary to contribute to the success of such an organization.

Yearbook Publications/Design A/B

Course # 8704/8705 **Grade Level**: 9, 10, 11, 12

Prerequisites: Application Required **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

Yearbook Design is a year-long course designed to have students understand the role of visual art and design, and its impact on society and culture, particularly in publication mediums. The course will focus on students understanding a designer's target audience and stimulating creativity through a variety of two-dimensional media. Then, students will apply this artistic process to create designs for the yearbook publication.

Psychology

Course # 1560 **Grade Level:** 10, 11, 12

Prerequisites: None **Length:** Semester

UC Approved: g-Elective **Credits**: 5

This course establishes a foundation for the learning of motivations, behaviors, and principles behind human interaction. This will allow the students to understand the social environment in which they live and be able to make some simple applications.

Sociology

Course # 1591 **Grade Level:** 10**,** 11, 12

Prerequisites: None **Length:** Semester

UC Approved: g-Elective **Credits**: 5

Sociology is a general introduction to the scientific study of the influence of group life on human behaviors. It is an excellent choice for students who enjoy psychology/behavioral sciences and are thinking of a career working with people. Topics range from culture, norms, collective behavior and crime to the family, love and the life cycle.

AP Psychology A/B

Course # 1566/1567 **Grade Level:** 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: g-Elective **Credits**: 5 per Semester

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

AVID 9 A/B

Course # 8771/8772 **Grade Level:** 9

Prerequisites: Application Required **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

This is a program which prepares students for admission to four year universities and colleges immediately after high school graduation. Students receive instruction in writing, reading, and study skills, intensive college and career counseling and in-class tutoring from college students in all subject areas. Students who enroll in the class are expected to maintain enrollment in AVID for the remainder of their high school career and to maintain enrollment in college preparatory classes.

AVID 10 A/B

Course # 8774/8775 **Grade Level:** 10

Prerequisites: Application Required **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

This is a program which prepares students for admission to four year universities and colleges immediately after high school graduation. Students receive instruction in writing, reading, and study skills, intensive college and career counseling and in-class tutoring from college students in all subject areas. Students who enroll in the

class are expected to maintain enrollment in AVID for the remainder of their high school career and to maintain enrollment in college preparatory classes.

AVID 11 A/B

Course # 8776/8777 **Grade Level:** 11

Prerequisites: AVID 10B **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

This is a program which prepares students for admission to four year universities and colleges immediately after high school graduation. Students receive instruction in writing, reading, and study skills, intensive college and career counseling and in-class tutoring from college students in all subject areas. SAT/ACT practice is also a part of this course. Students who enroll in the class are expected to to maintain enrollment in AVID for the remainder of their high school career and to maintain enrollment in college preparatory classes.

AVID Senior Seminar A/B

Course # 8780/8781 **Grade Level:** 12

Prerequisites: AVID 11B **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

A/B students take AVID 1st and 2nd semester and continue to receive support in preparation for admission to a four-year college or university. Critical thinking and study skills are continually emphasized as well as tutorial assistance with the guidance of college tutors two days per week. Students will practice essay writing and speaking skills, as well as Socratic seminar. SAT/ACT practice is also a part of this course. Students in their 4th year of AVID should enroll in AVID Senior Seminar. College admission is emphasized through the application process, financial aid and scholarship research.

Renaissance Leadership A/B

Course # 8201/8201B **Grade Level:** 9

Prerequisites: Application Required **Length:** Year

UC Approved: g-elective **Credits**: 5 per Semester

Student leadership is a project based course aimed at increasing students' capabilities. Through the planning and execution of numerous events for the school, students will discover how to best effect change in their communities. Students will read extensively about the nature of leadership and its different styles. Additionally,

students will write frequently while mastering the core leadership skills such as communication, feedback, public speaking, problem solving, planning, and service. Leadership has two goals: 1) Increase the positive school culture through academic and social events; 2) Help students enrolled in the class become more effective leaders.

Leadership 2 A/B

Course # 8210/8211 **Grade Level:** 9, 10, 11, 12

Prerequisites: Application Required **Length:** Year

UC Approved: g-Elective **Credits**: 5 per Semester

Student leadership is a project based course aimed at increasing students' capabilities. Through the planning and execution of numerous events for the school, students will discover how to best effect change in their communities. Students will read extensively about the nature of leadership and its different styles. Additionally, students will write frequently while mastering the core leadership skills such as communication, feedback, public speaking, problem solving, planning, and service. Leadership has two goals: 1) Increase the positive school culture through academic and social events; 2) Help students enrolled in the class become more effective leaders.

Teacher/Office Aide A/B

Course # 8315/8315B **Grade Level**: 12

Prerequisites: Application Required **Length:** Semester

UC Approved: NA **Credits:** P/F

Students will learn basic office skills and communication skills within an office or classroom setting. Students will assist in offices with filing, running errands, learning phone system, and office etiquette. Students will learn basic skills to become an educator by assisting teachers in the classroom by filing, record keeping. A pass/fail grade is given. This grade is not used to determine eligibility.

Peer Leader A/B

Course # 1571/1572 **Grade Level**: 11, 12

Prerequisites: Application Required **Length:** Semester

UC Approved: NA **Credits:** P/F

The PLUS course is a two-semester course that combines high-level critical thinking, writing, and analytical skills with project experiences and implementation, while giving students an opportunity to explore interpersonal and mass communications as they identify and address critical issues related to school climate. Through this class students will become more empowered peer leaders as they hone their communication and problem solving skills.

Early Release Period 6 A/B

Course # 9021/9022 **Grade Level**: 12

Prerequisites: Application Required **Length**: Semester

UC Approved: N/A **Credits:** N/A

Students are only eligible for one period of Early Release. Students must follow school guidelines for arrival and departure. Students must be current on graduation credits, maintain a 2.0 GPA each semester, and maintain good behavior and acceptable attendance in order to be eligible. Seniors may take Early Release twice during the senior year. Early release does not earn any credits. Students must have earned 180 credits to be eligible for early release. Early release cannot be taken in the same semester as late arrival.

Late Arrival A/B

Course # 9024/9025 **Grade Level:** 12

Prerequisites: : Application/Approval Required **Length**: Semester

UC Approved: N/A **Credits:** N/A

Students are only eligible for one period of Late Arrival. Students must follow school guidelines for arrival and departure. Students must be current on graduation credits, maintain a 2.0 GPA each semester, and maintain good behavior and acceptable attendance in order to be eligible. Seniors may take Late Arrival twice during the senior year. Late Arrival does not earn any credits. Students must have earned 180 credits to be eligible for Late Arrival. Late Arrival cannot be taken in the same semester as Early Release.

Aerospace Science 1 (AFJROTC) A/B

Course # 8500/8502 **Grade Level**: 9,10,11,12

Prerequisites: None **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

The first year ia a science course designed to acquaint the student with the aerospace environment, a journey into aviation history and and citizenship, character and, Air Force traditions. Students are required to complete a project, such as a PowerPoint presentation, and then make a presentation on the project. Leadership hours stress communication skills and cadet corps activities. Students wear the Air Force Junior ROTC uniform and are graded on dress and appearance. Students participate in military drill and physical training weekly. Students receive one semester of Physical Education credit and one semester of elective credit. Community service hours are available by volunteering for events requested by district schools and the community throughout the academic year.

Aerospace Science 3 (AFJROTC) A/B

Course # 8520/8522 **Grade Level**:11,12

Prerequisites: Aerospace Science 2 Y **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

Aerospace 3 is an elective for all 3rd year cadets. In the first semester of the third year, cadets are exposed to a curriculum that covers life skills and career opportunities. Leadership concepts are reviewed and survival skills introduced. To reinforce the learning in Aerospace 2, public speaking will be addressed–improving their skills from the previous year. Military drill and physical training is performed weekly. Students wear the Air Force Junior ROTC uniform and are graded on dress and appearance. Community service hours are available by volunteering for events requested by district schools and the community throughout the academic year.

Aerospace Science 4 (AFJROTC) A/B

Course # 8530/8532 **Grade Level**:11,12

Prerequisites: Aerospace Science 3 Y **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

Aerospace 4 is an elective for seniors who are officers or cadets who require a third year. In semester one of year four, cadet officers develop their leadership skills and military etiquette. They will learn the positive reinforcement techniques to help improve cadets when intervention is required, managing stress, working in teams, and interpersonal skills. Additionally, cadet officers will learn about other types of governments, the United States Code of Conduct and the Uniform Court of Military Justice. Furthermore, students participate in military drill and physical training weekly. Students wear the Air Force Junior ROTC uniform and are graded on dress and appearance. Community service hours are available by volunteering for events requested by district schools and the community throughout the academic year.

Physical Education

2 YEAR GRADUATION REQUIREMENT

Aerospace Science 2 (AFJROTC) A/B

Course # 8510/8512 **Grade Level**: 9,10,11,12

Prerequisites: Aerospace Science 1 Y **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

The second year is dedicated to two semesters of physical education credit. Students are introduced to the world's global awareness and leadership education focusing on communication education, increased awareness of self and others. Students participate in military drill and physical training weekly. Students wear the Air Force Junior ROTC uniform and are graded on dress and appearance. Community service hours are available by volunteering for events requested by district schools and the community throughout the academic year.

PE 1 A/B

Course # 2711/2712 **Grade Level:** 9

Prerequisites: None **Length:** Year

UC Approved: N/A **Credits:** 5 per Semester

Students will receive basic instruction in sports-related skills including rules and scoring for various team and individual sports. The five components of health fitness will be stressed. Students will participate in classroom activities and be introduced to and tested in various fitness components. State mandated fitness testing is administered in the spring. All freshmen, including athletes, must take PE 1 A/B

PE 2 A/B

Course # 2721/2722 **Grade Level**: 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

Students will participate in tournament type activities in softball, volleyball, basketball, football, soccer and tennis. Some fitness will be included.

PE 3 Athletic Football A/B

Course # 2750/2751 **Grade Level:** 10, 11, 12

Prerequisites: Coach Approval Needed **Length**: Semester

UC Approved: N/A **Credits**: 5 per Semester

Students will participate in conditioning, skill development, and team activities with their respective coaches. Students not involved in the pre-season program will participate in other PE activities.

PE 3 Athletic Wrestling A/B

Course # 2763/2764 **Grade Level**: 10, 11, 12

Prerequisites: Coach Approval Needed **Length**: Semester

UC Approved: N/A **Credits**: 5 per Semester

Students will participate in conditioning, skill development, and team activities with their respective coaches. Students not involved in the pre-season program will participate in other PE activities.

PE 3 Athletic Baseball A/B

Course # 2783/2784 **Grade Level**: 10, 11, 12

Prerequisites: Coach Approval Needed **Length**: Semester

UC Approved: N/A **Credits**: 5 per Semester

Students will participate in conditioning, skill development, and team activities with their respective coaches. Students not involved in the pre-season program will participate in other PE activities.

PE 3 Athletic Men's Basketball A/B

Course # 2793/2794 **Grade Level**: 10, 11, 12

Prerequisites: Coach Approval Needed **Length**: Semester

UC Approved: N/A **Credits**: 5 per Semester

Students will participate in conditioning, skill development, and team activities with their respective coaches. Students not involved in the pre-season program will participate in other PE activities.

PE 4 Weights A/B

Course # 2761/2761B **Grade Level**: 9, 10, 11, 12

Prerequisites: Completion of PE 1B **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

In weights, students develop and constantly improve their own personalized 5-day-a-week weight program. Weights can be taken more than once.

PE 4 Dance A/B

Course # 2771/2772 **Grade Level**: 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

This course is an exploration into a variety of dance expressions. Emphasis will be on jazz, modern, and ballet with various other dance styles touched upon. Students will also learn the basic elements of choreography. 9th graders may take this course as an elective in addition to PE1 for a fine arts credit.

Color Guard A/B

Course # 7034/7035 **Grade Level**: 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: N/A **Credits**: 5 per Semester

This course is designed for those students interested in learning dance and marching skills. Tall flags and other props will be used. Upon acceptance into the Color guard, students will perform at athletic events, parades and field shows, as well as at separate competitions and pep rallies. Maintenance of academic eligibility of 2.0 will be required of all members for performance. PE credit if taken in sophomore year or beyond.

Career & Technology Pathways (CTE)

Arts, Media and Entertainment Pathway

Video Media Arts A/B

Course # 5061/5062 **Grade Level:** 9**,** 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Video Media Arts is a one year introductory level college preparatory course, which integrates rigorous academic standards with the pathway standards of the Arts, Media, and Entertainment industry sector and VAPA standards. Students collaborate and engage in all aspects of the production process in filmmaking, culminating in film editing to produce a story. Students analyze various genres of film to gain knowledge of different perspectives and techniques used to influence/entertain diverse audiences. This course provides a demanding pathway in which students develop both technical skills and the art of developing film stories in preparation for College and Career Readiness in the industry sector of Arts, Media, and Entertainment emphasizing on Media Support Services.

Advanced Video Media Arts A/B

Course # 5064/5065 **Grade Level:** 10, 11, 12

Prerequisites: Video Media Arts ***Recommended***: Graphic Design/Stagecraft **Length:** Year

UC Approved: g-Elective **Credits**: 5 per Semester

Advanced Video Media Arts is a one year college preparatory course, which integrates rigorous academic Common Core State Standards with the pathway standards of the Arts, Media, and Entertainment industry sector. Students will have an opportunity to explore all aspects of the television industry and the careers involved. Students collaborate in production teams to engage in all aspects of the production process of television and news broadcasting including producing a daily school news program. Students analyze various forms of media to gain the knowledge of different perspectives and film techniques used to inform/entertain diverse audiences. This course provides a demanding pathway in which students develop both technical skills and the art of developing comprehensive news stories in preparation for College and Career Readiness in the industry sector of Arts, Media, and Entertainment emphasizing on Media Support Services.

Digital Media Arts

Course # 4540/4541 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-elective **Credits**: 5 per Semester

This is a one year introductory project-based course focusing on the combination of CTE Pathway standards, Common Core State Standards and VAPA standards. Students will explore basic design principles and the creative role of visual communication through video, print and web based platforms. Students will learn a variety of industry recognized digital software programs and techniques. Students will look at the role of web design, social media and video media in business advertising and marketing. Units focus on projects that allow students to design, build, create, or produce various digital media products that can be used on a variety of digital platforms.

Video Media Arts Capstone

Course # 5066/5067 **Grade Level:** 11, 12

Prerequisites: Video Media Arts & Adv Video Media Arts

Recommended: Graphic Design/Stagecraft **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Video Media Arts Capstone is a one-year, advanced-level, elective course that plans on meeting the UC "g" requirement (pending) for admission into the UC system and builds on students' artistic design and writing skills by focusing on a variety of video production projects, including documentaries, narratives, commercials, and music videos. The course is intended for students planning to pursue a career or post-secondary major in video media arts and video production. Major historical/cultural trends in world, cinematic history are covered through lecture/ discussion and student-researched, oral/visual presentations. An in-depth study of camera movement and expression, lighting techniques and aesthetics, and editing techniques is followed by critical analysis and study of master works of film. Students iteratively develop advanced camera, editing, audio, and motion graphic techniques by collaborating in teams, working in a variety of production and post-production capacities to support each other’s projects. The focus is on creating a well-developed story, effective composition and communication, project management, audience engagement and design specifications.

Students produce scripts, project plans, treatments, storyboards, and presentations to plan and communicate ideas and themes for the videos and then use assembly and rough cuts to visualize and review with clients, the teacher, and fellow students. Through the revision process, students are challenged to achieve more audience engagement, continually assessing how the end product will be perceived. Upon completion of a project, students self-assess and reflect in writing upon the experience and insights gained through the process. Students write peer critiques as well, focusing on story effectiveness, aesthetics of design, and audience engagement.

Information & Communication Technologies Pathway

CTE IT Essentials

Course # 5031/5032 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: *g-elective* **Credits**: 5 per Semester

ICT Essentials prepares students for a career in network administration, and technical support with a focus on cybersecurity. This course provides an introduction to the IT industry and interactive exposure to personal computers, hardware, and operating systems. Students participate in hands-on activities and lab-based learning to become familiar with various hardware and software components and discover best practices in maintenance and safety. Industry-based curricula are utilized in a networked environment to assist in preparing students for industry recognized certifications. The course targets students preparing for careers in cybersecurity and information and communications technology.

CTE Internet Engineering I

Course # 5033/50234 **Grade Level:** 10, 11, 12

Prerequisites: ICT Essentials **Length:** Year

UC Approved: *g-elective* **Credits**: 5 per Semester

Internet Engineering 1 is an interdisciplinary course designed to prepare students for post-secondary success in the Information and Communication Technologies (ICT) field. The course engages students with studies of: the history and implications of network communications; the protocols which make the Internet possible; how networks provide access to services; and college and career preparation in the ICT field. This course integrates the theory and application of network communications, and exposes students to media that invites them to consider how Internet engineers think, design, and solve problems. Students have several opportunities to produce college-ready writing, collaborate, research, develop study skills, and develop 21st century skills in this course.

Health Science Pathway

CTE Medical Care & Emergency Care

Course # 5231/5232 **Grade Level:** 9, 10, 11, 12

Prerequisites: **Length:** Year

UC Approved: g-Elective **Credits**: 5 per Semester

This introductory course takes students on a fascinating journey beginning with the history, education, responsibilities and components of an emergency care system, the well being of the Health Care Providers and First Responders, legal and ethical issues, medical terminology, patient assessment, and employment opportunities. Medical Care and Emergency Care provides students with a foundation and practical application of anatomy, physiology, pathology of disease of the human body, and American Heart Association certification in CPR/AED and First Aid. The competencies in this course are aligned with the Career Technical Education Model Curriculum Standards and the American Heart Association.

CTE Kinesiology and Patient Care

Course # 5233/5234 **Grade Level:** 10, 11, 12

Prerequisites: Medical Care & Emergency Care **Length:** Year

UC Approved: *pending* **Credits**: 5 per Semester

This rigorous competency-based course will provide students with foundational concepts in anatomy and physiology and integrate hands-on training in the specialized fields of sports medicine, physical therapy, emergency care, and fitness instruction. Anatomy and physiology are utilized as the basic building blocks in understanding how the circle of care occurs within sports medicine. The human body has many intricate parts with coordinated functions that are maintained by a complex system of checks and balances. Understanding the structure and function of the human body allows individuals in sports medicine to utilize concepts that are mastered within the course to solve routine and non-routine problems. Students will be required to think critically, draw conclusions, investigate, and formulate a plan of action to determine a proper course of care and return the patient safely to his or her activity. This course is approved by the University of California (and accepted by the California State University System) in meeting the "a-g" subject requirement for College-Preparatory Elective (g).

CTE Advanced Kinesiology & Patient Care Capstone

Course # 5235/5236 **Grade Level:** 11, 12

Prerequisites: Kinesiology & Patient Care **Length:** Year

UC Approved: *g - College Preparatory Elective* **Credits**: 5 per Semester

This course is designed to provide students a practical application of patient care and opportunities to work in the industry/business sector. The curriculum enriches the student's education of patient care to allow them to work in the applied field of industry. Thus gaining experience, training and confidence to transition them from a secondary setting to a career setting. Collaborate in groups to respond to injury simulations. Create treatment plans for patients given a specific scenario. Evaluate injuries and document/record findings.

Essential Career Skills learned in this course: team collaboration, critical-thinking, how to communicate between healthcare providers and patients, and how to adapt care & treatment based on various patient needs.

Engineering & Architecture Pathway

Intro to Engineering Design

Course # 5029/5030 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length:** Year

UC Approved: f-Elective **Credits**: 5 per Semester

Intro to Engineering & Architecture is the introductory course for the Engineering and Design pathway. In this course, students will express themselves visually and be able to showcase their creativity. Instruction will be given in the following areas of architecture: elements of design, architectural history, technical sketching including orthographic projection, dimensioning, perspective drawing, 2 point perspective drawing, and hand drawn 2D and 3D representations. Students will also explore green architecture, clean energy and computer aided design. Students will experience architectural problems related to the vocational fields of architecture, interior design and engineering, examine trade-related occupations; and global human impact. Within the field of engineering, students are introduced to the engineering profession and a common approach to the solution of engineering problems, and engineering design process. The course will give students confidence in organizing ideas, communication methods, teamwork, and the ability to work ideas into new and useful creations. Students will explore the basics of blueprint design, interior design, landscaping design, coding, electronics, robotics, Autodesk Revit, Autodesk Inventor and 3D Printing.

CTE Mechanical Engineering / Robotics

Course # 5262/5263 **Grade Level:** 10, 11, 12

Prerequisites: Intro to Engineering Design **Length:** Year

UC Approved: *pending* **Credits**: 5 per Semester

Mechanical Engineering/ Robotics is the manufacturing approach of using computers to control the entire production process. This integration allows individual processes to exchange information with each other and initiate actions. Through the integration of computers, manufacturing can be faster and can become an automated process. This course provides an opportunity for students to develop a better understanding of innovative, progressive, and exciting developments in the manufacturing computer driven industry. Students learn about manufacturing processes, product design, robotics, and automation. Students develop their knowledge and skills of Computer-Aided Design and Manufacturing to produce products using a Computer Numerical Controlled (CNC) mill. Automation and Robotics will emphasize on the basic skills utilized in identifying the concepts of automated machines and equipment and describe the terms and phrases associated with industrial automation. This is a concentrator course in the Engineering Pathway. Students will gain proficiency in the setup, programming, and operation of computer numerically controlled (CNC) manufacturing equipment. Students will learn foundational skills necessary for manufacturing such as machine shop safety, applied mathematics, precision measurements, calculation of feeds and speeds, and print reading. Students will utilize the design process to select an object for design and continue to reflect upon and revise their proposal as new learning occurs. After learning the fundamentals, students will learn and practice machine setup and operation using both virtual and real CNC machines. Students will become proficient in the G and M code program commands and cycles used to operate the machines by hand-programming a part from a provided drawing print. Students will then setup and operate the machine to produce the finished part from raw material, using the program code they developed. Students will use advanced Computer-Aided Manufacturing (CAM) software to program 3D high-speed machining tool path strategies using solid model geometry. Students will run 3D simulations of the machining process to check for proper machining technique and to verify proper part outcomes. Students will then optimize the cutting strategies for efficiency in production, and produce tangible products from raw materials. The field of Robotics Science is utilized as a focus of engineering interest to blend the studies of engineering mechanics, electronics, programming and design. This course studies and practices the synergistic use of precision engineering, control theory, computer science, and sensor and

actuator technology as related to engineering design. The student studies the connection between applied physics principles and several branches of engineering.

CTE Engineering Principals

Course # 5264/5265 **Grade Level:** 11, 12

Prerequisites: Intro to Engineering Design & Mechanical Engineering / Robotics **Length:** Year

UC Approved: *pending* **Credits**: 5 per Semester

The Engineering Principles Capstone course is designed to offer a culminating design experience for high school students. This course focuses on how engineers apply their creativity, resourcefulness, mathematical, scientific and technical knowledge and skills in the creation or refinement of technological products/systems. A key approach will be the employment of a sophisticated, sequential and iterative design and development process to solve authentic engineering tasks/problems. The course consists of two semesters of project and design. Students work in multidisciplinary teams to complete a sizable engineering design project that is fully documented and prototyped. Possible internships will be managed through Career Technical Education (CTE) and the capstone teacher. Students completing this internship or any internship with Temecula Valley Unified School District in conjunction with enrollment in the capstone course will receive high school credit on their transcript. Students are encouraged to complete the internship and it can be used as part of their capstone project. Students who are not able to complete an internship for whatever reason may still be provided with the opportunity to work with an expert in an engineering/design field in order to have input on how to use the design process to research, design, create, and test project of their choosing. It is essential that the instructional team recruit, refine and sustain strong collaborations with members of the local engineering community for students in this course. One way to ensure an authentic engineering design experience is to encourage and help arrange a comprehensive mentoring program. This approach has been proven and can help to generate a much higher level of performance by all stakeholders, especially the students with respect to the design, development, testing and fabrication of a final product based on a selected design brief or series of engineering tasks.

Hospitality, Tourism & Recreation Pathway

Culinary Arts I A/B

Course # 5516/5517 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

Food and Nutrition is designed for students who are interested in understanding the principles of food and nutrition and in maintaining a healthy life. The study and application of food preparation, planning, service, nutrition and storage is addressed in the course. Students' use equipment, supplies, products and procedures in an interdisciplinary approach. Safety and sanitation is paramount and applied in a classroom laboratory setting. Attention will be given to the selection and preparation of food and personal health and well-being. This course meets the Hospitality, Tourism, and Recreation (HTR) Industry Sector standards per the California Department of Education (CDE) in Consumer and Family Studies established for Food and Nutrition. This class is part of a sequence of courses within the Hospitality, Tourism and Recreation Industry Sector. It will focus on instruction applied to the fundamental principles in Food and Nutrition. This course will help students understand how to be healthy now and in the future through nutritional practices and choices. Students will incorporate the critical thinking practices of access, selection, evaluation and information processing in this applied laboratory based course. This course focuses on nutrition, health and wellness, food safety and sanitation, food purchasing, food preparation techniques, meal service, etiquette, cultures, food production and technology along with facilities and equipment. Students use equipment and supplies for food preparation labs. Through reading, writing, listening and speaking students will develop the ability to research, collect data, analyze information, report findings and evaluate food products through personal and/or group performance.

Culinary Arts II – Concentrator Course A/B

Course # 5518/5519 **Grade Level:** 10, 11, 12

Prerequisites: Culinary 1 **Length**: Year

UC Approved: g-Elective **Credits**: 5 per Semester

This course will provide skills in the area of food services and hospitality. These lessons are applicable to a capstone course in food service within a 2 sequence career pathway for Hospitality, Recreation and Tourism industry sector. The student receives training in kitchen safety and sanitation, equipment and facility use, knife skills, food preparation to include: cold pantry, salads, soups and sauces, introductory baking, meats and poultry, short order cook, hot-line, institutional cook, catering, cashiering, hostessing, waiter/waitress, and bussing. Students will participate in the planning, costing, preparation, serving, storage and critique of meals in project based learning. Nutrition and applied academic skills are incorporated in each unit. Career seeking and transferable skills are incorporated into this curriculum culminating in a portfolio. Students that perform well could be placed in work-based learning environments.

Culinary Arts & Hospitality Management – Capstone Course A/B

Course # 5538/5539 **Grade Level:** 11, 12

Prerequisites: Culinary 1 & 2 **Length**: Year

UC Approved: g-Elective **Credits:** 5 per Semester

The purpose of this course is to learn about entrepreneurship and the hospitality, recreation, and tourism industry within the context of economics. Students will recognize and analyze the sociological and economic aspects of these industries, as well as, the planning and research process entrepreneurs must complete to start a business in the industry, and the impact these businesses bring to our economy. Students will apply economic principles by creating a detailed business plan for a business in our industry sector, as well as use inductive and deductive research to explore the many facets of opening a business. Students will analyze data and form strategies based upon economic principles and sociological factors as they plan out their strategies. All decisions have a socioeconomic impact when it comes to starting a hospitality/food establishment and students will research and modify as needed to achieve the greatest positive outcome for both the business aspect and the community aspect. From marketing methods and menu options, to impact on community and staffing, students will develop invaluable tools and the skills needed for industry sector job readiness. Students will conduct research, record data, discuss and analyze data, make predictions, solve problems, write descriptively and convincingly, and present ideas in both written and verbal formats. Throughout this year long course, students will be introduced to additional academic skills such as: Advanced researching techniques, various writing strategies, presentation skills, reasoning skills, and critical thinking skills, providing outstanding cross curricular opportunities.

Transportation Pathway

Auto I – Introductory A/B

Course # 5070/5071 **Grade Level:** 9, 10, 11, 12

Prerequisites: None **Length**: Year

UC Approved: no **Credits:** 5 per Semester

Auto I will introduce students to the basics of automotive technology. Classroom sessions will stress history and theory of basic automotive systems. Lab sessions will be used to apply this theory in a controlled environment. As a conclusion to the course, students will perform maintenance and repairs on actual vehicles.

Auto 2 (1 periods) – Concentrator Course A/B

Course # 5078/5079 **Grade Level:** 10, 11, 12

Prerequisites: Auto 1 **Length**: Year

UC Approved: no **Credits:** 5 per Semester

Auto 2 will introduce students to common methods of automotive repair. Lab sessions will be used to apply this theory in a controlled environment. Students will gain "on-the-job" experience without ever leaving the TVHS campus.

Advanced Auto *(2 periods)*

Course # 5075/5076 **Grade Level:** 11, 12

Prerequisites: Auto 1 / Auto 2 (1 period) **Length**: Year

UC Approved: no **Credits:** 10 per Semester

Students with continuing their hands on training from what they have learned in Auto 1 and Auto 2. *(2 periods)*

Forms

Student Aid / Employability Skills Contract - SENIORS Only

TEMECULA VALLEY Unified School District

Student Aid/Employability Skills Contract
(*current school year*)

Student Name: _____ **Grade:**_____ **Period Requested:**_____

The student will benefit from the Teacher Assistant/Office Aide assignment for the following reason(s): (*Check all that apply*)

- The student will learn basic office and communication skills
- The student will assist other students within the classroom setting (tutoring)
- The student will learn basic skills to become an educator

General Rules:

1. I understand that I am enrolled in this class for the entire semester or year.
2. I will support the classroom or office environment and learn classroom and/or office working conditions.
3. I will adhere to the school rules and the dress code policy.
4. As a Student Aid/Employability Skills student, I will follow school rules regarding attendance and tardies.
5. I will not have access to a staff member's Infinite Campus Grade Book for the purpose of inputting scores / grades.
6. I will maintain student confidentiality at all times.
7. As a Student Aid/Employability Skills student, I will take the initiative to assist classroom and office staff with necessary tasks during each class period. If I complete my assigned work, I will work on my own homework or read quietly and not be a distraction to the office or classroom.
8. I am expected to deliver all packages and messages promptly.
9. As a Student Aid/Employability Skills student, I know that I am responsible for maintaining good grades, behavior and attendance in all classes and will be a role model on campus.
10. As a Student Aid/Employability Skills student, I will be assigned a Pass or Fail grade from the staff member of record which will be reflective of my performance, which I understand is not calculated in my GPA.

Teacher approval is required and the signature below indicates that I approve of this student as a Student Aid/Employability Skills student.

_____	_____	_____
Teacher Name	*Teacher Signature*	*Date*

The initials of both Parent/Guardian and Counselor are required for each statement below:

Parent/ Guardian	*Counselor*	
_____	_____	I understand that Student Aid/Employability Skills is an elective class and will benefit the student.
_____	_____	The student will not be assigned as a Student Aid/Employability Skills student unless all Core class requirements have been met and the student is on track for graduation.
_____	_____	The student will not be assigned as a Student Aid/Employability Skills student due to insufficient course offerings during the relevant class period.

The signatures below indicate the student, parent/guardian and principal/assistant principal consent to and have determined that the student will benefit from the Student Aid/Employability Skills assignment.

_____	_____	_____
Student Name (Printed)	*Student Signature*	*Date*
_____	_____	_____
Parent/Guardian Name (Printed)	*Parent/Guardian Signature*	*Date*
_____	_____	_____
Counselor Signature	*Principal/Assistant Principal Signature*	*Date*

Early Release / Late Start Agreement - SENIORS Only

TEMECULA VALLEY Unified School District

Early Release / Late Start Agreement
(current school year)

Student Name: _____ **Grade:** _____ **Period(s) Requested:**_____

- Only Seniors are eligible for enrollment in the Early Release or Late Start program
- Students are only eligible for one period of Early Release or Late Start
- Students with Early Release must follow school guidelines for arrival and departure
- Students must be current on graduation credits in order to be eligible
- Student must maintain a 2.0 GPA each semester, good behavior and acceptable attendance to remain eligible for Early Release and/or Late Start

The student will benefit from Early Release and/or Late Start for the following reason:
(Counselor completes this section):

_____

_____

_____

The initials of both Parent/Guardian and Counselor are required below:

Parent/ Guardian	Counselor	
_____	_____	**It has been determined that the Early Release and/or Late Start will benefit the student.**
_____	_____	**The Early Release and/or Late Start option does not provide the student with credits toward graduation**
_____	_____	**The student will not be assigned Early Release and/or Late Start unless all core class requirements have been met and the student is on track for graduation.**
_____	_____	**The student will not be assigned Early Release and/or Late Start due to insufficient course offerings during the relevant class period.**

The signatures below indicate the student, parent/guardian and principal/assistant principal consent to and have determined that the student will benefit from the Early Release and/or Late Start.

_____ _____
Student Name **Student Signature** **Date**

_____ _____
Parent/Guardian Name **Parent/Guardian Signature** **Date**

_____ _____
Counselor Signature **Date** **Principal/Assistant Principal Signature** **Date**

[TVHS Comm]

HIGH SCHOOL COMMUNITY SERVICE LOG
TVUSD Graduation Requirement

GRAD YEAR _____

Students must serve 40 hours of community service to graduate. A commitment to community service is viewed favorably in the college application process and can provide work experience, which could lead to employment. **Community service hours must be fulfilled at a NON-PROFIT agency.** Please use this requirement as an opportunity to learn about yourself and your interests.

Sign below that you understand the community service requirement and the definition of a **NON-PROFIT** agency. Community service hours must be for a **NON-PROFIT** agency; no money or credit; not for your family or a neighbor. Must be signed off by agency personnel (parent signatures are not allowed).

_____
Student Signature

LAST NAME	FIRST NAME	MI	GR	BIRTHDATE

*Supervisors: Please note that your signature indicates compliance as a non-profit agency.

HOURS WORKED	TYPE OF WORK	NON-PROFIT AGENCY	DATE	SUPERVISOR SIGNATURE	SUPERVISOR PHONE #