

# **Los Altos High School Course Catalog *2022-2023***



***“Conquerors Think, Thinkers Conquer”***

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**ALMA MATER**

ON THE HILL OF  
THE RISING SUN  
STANDS A HIGH SCHOOL  
WE HOLD SO DEAR.  
ROOTED DEEP IN  
OUR LOYALTY  
GROUNDED FIRM IS  
OUR FAITH SINCERE.  
IN OUR HEARTS WE'LL EVER,  
EVER BE RED AND BLUE A  
BLESSED MEMORY.  
THROUGH THE YEARS  
OUR VOICES RAISE IN PRAISE  
TO THEE ALL HAIL  
LOS ALTOS HIGH!

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## MISSION STATEMENT

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We, at Los Altos High School, are lifelong learners who are productive, responsible, and involved citizens – who respect and embrace diversity, honor creativity, and are committed to excellence.



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## VISION STATEMENT

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At Los Altos High School, we are committed to a shared vision of excellence in academics, curricular programs, and extracurricular activities.



*"Everything we do, we do with **HEART** and Conqueror Pride!"*

### **Honesty**

- Be courageous
- Stand for the Truth
- Act with Integrity

### **Excellence**

- Persevere through challenges
- Be your best self
- Set goals; follow through

### **Accountability**

- Be responsible
- Own your actions/words
- Advocate for all

### **Respect**

- Be Kind
- Embrace Diversity
- Care for yourself and community

### **Teamwork**

- Make positive contributions
- Listen actively
- Find common ground



## Los Altos High School

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### PRINCIPAL

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TBD- Office Assistant

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# LOS ALTOS HIGH SCHOOL GRADUATION REQUIREMENTS

At Los Altos High School, students are required to complete a total of 230 credits. Courses required for a high school diploma are listed below:

<b>English</b>	<b>40 credits</b>	<b>4 years</b>
English 1		
English 2		
English 3		
ERWC		
<b>Mathematics</b>	<b>30 credits</b>	<b>3 years</b>
Integrated Math 1		
Integrated Math 2		
Integrated Math 3		
<b>Science</b>	<b>30 credits</b>	<b>3 years</b>
<ul style="list-style-type: none"><li>• Life Science</li><li>• Physical Science</li><li>• Science (2 years Lab Science)</li></ul>		
<b>History</b>	<b>30 credits</b>	<b>3 years</b>
<ul style="list-style-type: none"><li>• World History</li><li>• US History</li><li>• Civics/Economics</li></ul>		
<b><u>Fine Arts/World Language/CTE</u></b>	<b>20 credits</b>	<b>2 years</b>
<b><u>Physical Education</u></b>	<b>20 credits</b>	<b>2 years</b>
<b><u>Elective</u></b>	<b>60 credits</b>	<b>3 years</b>
<b>TOTAL GRADUATION REQUIREMENTS</b>	<b>230 credits</b>	



## A-G COLLEGE ENTRANCE REQUIREMENTS

The A-G College Entrance Requirements consist of high school courses required for entrance to the University of California (UC) and the California State University (CSU) systems. Students must earn a grade of C or better to be minimally eligible for admission. Students must complete 11 of 15 courses by the end of 11<sup>th</sup> grade. The chart below summarizes the A-G College Entrance Requirements:

	University of California	California State University	Private/Independent Colleges
<b>Minimum Subject Requirement for Admission</b>	UC/CSU A-G must complete 11 of 15 courses by the end of 11 <sup>th</sup> grade	UC/CSU A-G Courses	<i>Check individual school's website</i>
<b>History/Social Science "A"</b>	<ul style="list-style-type: none"> <li>• World History</li> <li>• US History</li> <li>• Civics</li> </ul> <i>(2 years required)</i>	<ul style="list-style-type: none"> <li>• World History</li> <li>• US History</li> <li>• Civics</li> </ul> <i>(2 years required)</i>	
<b>English "B"</b>	<ul style="list-style-type: none"> <li>• English I-IV</li> <li>• AP English Lang.</li> <li>• AP English Lit.</li> </ul> <i>(4 years required)</i>	<ul style="list-style-type: none"> <li>• English I-IV</li> <li>• AP English Lang.</li> <li>• AP English Lit.</li> </ul> <i>(4 years required)</i>	
<b>Mathematics "C"</b>	<ul style="list-style-type: none"> <li>• Integrated Math I-III</li> <li>• Pre-Calculus</li> <li>• AP Calculus</li> </ul> <i>(3 years required; 4 years recommended)</i>	<ul style="list-style-type: none"> <li>• Integrated Math I-III</li> <li>• Pre-Calculus</li> <li>• AP Calculus</li> </ul> <i>(3 years required; 4 years recommended)</i>	
<b>Science "D"</b>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Anatomy &amp; Physiology</li> <li>• Environmental Science</li> <li>• Physics, or AP</li> </ul> <i>(2 years required 3 years recommended)</i>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Anatomy &amp; Physiology</li> <li>• Environmental Science</li> <li>• Physics, or AP</li> </ul> <i>(2 years required 3 years recommended)</i>	
<b>Language other than English "E"</b>	<ul style="list-style-type: none"> <li>• Spanish I-III (Honors Available)</li> <li>• AP Spanish Lang.</li> <li>• AP Spanish Lit.</li> <li>• Chinese I-III</li> <li>• AP Chinese</li> </ul> <i>(2 years required; 3 years recommended)</i>	<ul style="list-style-type: none"> <li>• Spanish I-III (Honors Available)</li> <li>• AP Spanish Lang.</li> <li>• AP Spanish Lit.</li> <li>• Chinese I-III</li> <li>• AP Chinese</li> </ul> <i>(2 years required; 3 years recommended)</i>	
<b>Visual &amp; Performing Arts "F"</b>	<ul style="list-style-type: none"> <li>• Art</li> <li>• Band</li> <li>• Drama</li> <li>• Dance</li> <li>• Choir</li> <li>• Digital Graphics</li> </ul> <i>(1 year required)</i>	<ul style="list-style-type: none"> <li>• Art</li> <li>• Band</li> <li>• Drama</li> <li>• Dance</li> <li>• Choir</li> <li>• Digital Graphics</li> </ul> <i>(1 year required)</i>	
<b>Electives "G"</b>	Any class in the A-F sections or Economics, Psychology, Advanced Journalism/Yearbook, AVID 1-4, AP classes <i>(1 year required)</i>	Any class in the A-F sections or Economics, Psychology, Advanced Journalism/Yearbook, AVID 1-4, AP classes <i>(1 year required)</i>	



## ADVANCED PLACEMENT

Los Altos High School believes that all students should have the opportunity to enroll in Advanced Placement/Honors courses. Completing an AP/Honors course is a strong predictor of success in college. Colleges also consistently admit students that have completed advanced courses in high school. Students enrolled in AP classes are expected to participate in the Advanced Placement exams during the month of May. At Los Altos, our mission is that students will be encouraged to work to their highest academic potential in a supportive and caring environment.

Los Altos provides the following 26 AP courses and 12 Honors courses for all students:

English	Social Science	Science	Math
<ul style="list-style-type: none"> <li>• English Language</li> <li>• English Literature</li> <li>• Seminar (<i>AP Capstone</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• Human Geography</li> <li>• United States History</li> <li>• United States Government</li> <li>• Psychology</li> <li>• Macroeconomics</li> <li>• Microeconomics</li> <li>• World History</li> </ul>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> <li>• Environmental Science</li> <li>• Physics I</li> <li>• Physics C: Electricity &amp; Magnetism</li> </ul>	<ul style="list-style-type: none"> <li>• Calculus AB</li> <li>• Calculus BC</li> <li>• Statistics</li> </ul>
Modern Languages	Fine Arts	Applied Arts	Electives
<ul style="list-style-type: none"> <li>• Spanish Language &amp; Culture</li> <li>• Spanish Literature</li> <li>• Chinese Language &amp; Culture</li> </ul>	<ul style="list-style-type: none"> <li>• 2-D Art &amp; Design</li> <li>• Drawing</li> <li>• Music Theory</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Science A</li> </ul>	<ul style="list-style-type: none"> <li>• Research (<i>AP Capstone</i>)</li> </ul>

## HONORS COURSES

English	Math	Science	Modern Languages
<ul style="list-style-type: none"> <li>• English 1</li> <li>• English 2</li> </ul>	<ul style="list-style-type: none"> <li>• Math 1</li> <li>• Math 2</li> <li>• Math 3</li> <li>• Pre-Calculus</li> </ul>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Chemistry</li> </ul>	<ul style="list-style-type: none"> <li>• Spanish 2</li> <li>• Spanish 3</li> <li>• Chinese 3</li> <li>• Chinese 4</li> </ul>



# Los Altos High School

## AP Exam Dates – May 2023



### AP Exams – Week 1

Test Date	Morning	Afternoon
Monday, May 1, 2023	U.S. Government & Politics	Chemistry Spanish Literature and Culture
Tuesday, May 2, 2023	Chinese Language and Culture Environmental Science	Psychology
Wednesday, May 3, 2023	English Literature and Composition	Computer Science A
Thursday, May 4, 2023	Human Geography Macroeconomics	Seminar Statistics
Friday, May 5, 2023	U.S. History	Microeconomics *Art & Design (due by 5PM)

*\*This is the final day to submit digital portfolios. Be sure to confirm with Mrs. Oseguera on any deadlines she has established.*

### AP Exams– Week 2

Test Date	Morning	Afternoon
Monday, May 8, 2023	Calculus AB Calculus BC	NA
Tuesday, May 9, 2023	English Language and Composition	Physics C: Electricity & Magnetism <b>(2PM)</b>
Wednesday, May 10, 2023	Spanish Language and Culture	Biology
Thursday, May 11, 2023	World History: Modern	Physics 1: Algebra-Based
Friday, May 12, 2023	Music Theory	NA

*“85% of selective colleges and universities report that a student’s AP experience favorably impacts admission decisions.” – The College Board, College Outcomes Comparisons by AP and Non-AP High School Experiences, 2008.*



## Los Altos High School AP Capstone Diploma Program

We are pleased to announce that Los Altos High School is now offering the [AP Capstone Diploma Program!](#) We are the only high school in the district that currently offers the AP Capstone Program, an elite program that helps students develop the independent research, collaborative teamwork, and communication skills valued by colleges and universities. Los Altos High School is one of approximately 1,800 schools **WORLDWIDE** to implement the AP Capstone™ Diploma program.

The program consists of two courses taken in sequence: **AP® Seminar** and **AP Research**. Each course is yearlong and focuses on preparing students for college-level work. Both courses guide students through completing a research project, writing an academic paper, and delivering a presentation on their project. Students typically begin by taking AP Seminar in grade 10 or 11, followed by AP Research. In order for students to receive the AP Capstone Diploma, they must earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams. Students who earn scores of 3 or higher in AP Seminar and AP Research but **NOT** on four additional AP Exams receive the AP Seminar and Research Certificate.

Topics that students have chosen to investigate in AP Seminar and AP Research:

AP Seminar	AP Research
<ul style="list-style-type: none"><li>• Effects of texting on grammar skills</li></ul>	<ul style="list-style-type: none"><li>• Algorithm of K-POP music</li></ul>
<ul style="list-style-type: none"><li>• Food waste solutions</li></ul>	<ul style="list-style-type: none"><li>• Effects of sleep deprivation on academic achievement in teens</li></ul>
<ul style="list-style-type: none"><li>• Mathematics behind extreme sports</li></ul>	<ul style="list-style-type: none"><li>• Learning chemistry through musical chords</li></ul>
<ul style="list-style-type: none"><li>• Wealth inequality</li></ul>	<ul style="list-style-type: none"><li>• 3-D printed prosthetics for amputees</li></ul>
<ul style="list-style-type: none"><li>• Genetically modified organisms</li></ul>	<ul style="list-style-type: none"><li>• Environmental injustice in subsidized housing</li></ul>

**WHY:** AP Capstone students stand out in college admission! Students that complete the AP Capstone Diploma program have stronger essays because they demonstrate critical thinking, communication, and research skills associated with AP Capstone. Students also stand out in college interviews because of the confidence, expertise, and passion they show when they talk about their unique academic projects. Many colleges and universities offer credit and/or placement policies for AP Seminar and AP Research.

*“AP Capstone helps students develop key skills that they will use over and over in college: conducting research and communicating their results.”*

– STU SCHMILL, DEAN OF ADMISSIONS, MIT

## Academies, Pathways, and Special Programs

### Visual and Performing Arts

Art	Band	Dance	Theater Arts	Vocal Music
Introduction to Art	Symphonic Band	Dance Team	Introduction to Drama	Concert Choir
Intermediate Art	Jazz Band	Intermediate Dance	Intermediate Drama	Women's Ensemble
Studio Art AP	Wind Ensemble	Advanced Dance	Advance Drama	Chamber Music
	Percussion			Production Choir
	Color Guard			Men's Choir
	Marching Band			AP Music Theory

### CTE Pathways

Engineering Technology	Graphic Design	Business Management	Patient Care	Media Arts
Principles of Engineering	Digital Graphics Design 1	Business & Personal Finance	Medical Core	Video Production 1
Engineering Technology	Digital Graphics Design 2	Business Marketing	Sports Medicine	Video Production 2
Applied Engineering	Digital Animation	Business Management	Personal Trainer	Video Production 3



#### AVID Program

- AVID 1
- AVID 2
- AVID 3
- AVID 4

## History/Social Science (A)

**COURSE TITLE: 7439A United States History**

**Meets the UC/CSU entrance requirement:** A. History/Social Science

**GRADE: 11**

**LENGTH: Full Year**

This course surveys some of the important and influential movements/events in United States history during the twentieth century. The study of the selected topics emphasizes their impact on our lives. Students will read and hear “eye witness” accounts of these events as well as the accounts of historians. Current news articles and television programs will be used as sources of information. Class discussion will be stressed as a means of helping students weigh evidence and come to personal conclusions.

**COURSE TITLE: 7439A United States HISTORY (AP)**

**Meets the UC/CSU entrance requirement:** A. History/Social Science

**GRADE: 11**

**LENGTH: Full Year**

This class is a challenging two-semester course that is meant to be the equivalent of a freshman college course. The content is comprised of a complete survey of American History from the age of exploration to the present using multiple perspectives. Emphasis will be placed on critical and evaluative thinking skills, essay writing, and interpretation of original historical documents. Students will be prepared to take the AP Exam in May.

**COURSE TITLE: 7451A World History**

**Meets the UC/CSU entrance requirement:** A. History/Social Science

**GRADE: 10**

**LENGTH: Full Year**

This is a year course, which studies World History from the rise of human society to present day. Historical events will be viewed on cultural and geographical influences. The following college preparation skills are stressed: library research skills, essay writing, note taking, and research papers.

**COURSE TITLE: 7495A Civics**

**Meets the UC/CSU entrance requirement:** A. History/Social Science

**GRADE: 12**

**LENGTH: Semester**

The student who takes this class will learn about the roles of four types of public officials in our national government: the president, congressmen, bureaucrats, and judges. The duties of each type of official, the kinds of people who get into these roles, as well as the events that influence them when they make decisions, are emphasized. The student will also learn about how individuals can influence policy decisions and will analyze decisions currently being made by the government. A learning service project or research paper is required.

**COURSE TITLE: 7334AH Government and Politics (AP)**

**Meets the UC/CSU entrance requirement:** A. History/Social Science

**GRADE: 12**

**LENGTH: Full Year**

This is an intensive college-level government (Political Science) course that deals with the federal government of the United States. Most topics of a college political science class will be offered in this class. The level and quantity of reading for this course is demanding. Extensive discussions, chapter exams, and book reviews are part of this academic experience. Students enrolled in this course are expected to take the AP US Government and Politics examination that is administered in May of each academic year.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 7616AH World History (AP)**

**Meets the UC/CSU entrance requirement:** A. History/Social Science

**GRADE: 9-12**

**LENGTH: Full Year**

Students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions an organization, and technology and innovation.

*Courses may vary by grade level to accommodate student needs*

## ENGLISH (B)

### **COURSE TITLE: 2903B English I**

**Meets the UC/CSU entrance requirement:** B-English

**GRADE: 9**

**LENGTH: Full Year**

This course focuses on the writing process and literary themes that will be developed throughout high school. The composition skills taught stress critical thinking, paragraph development, logical coherence, and the grammatical skills needed to write well and to speak intelligently about the writing process, through a variety of academic writing assignments. The course features various readings of novels, poetry, short stories, and non-fiction selections. Throughout the first semester, students learn literary terms in order to communicate effectively about the texts they read. They will also develop the oral skills needed in effective expository speech. Second semester reinforces and deepens writing concepts. Students practice various types of writing, including textual analysis essays, argumentative essays, and narrative writing. Oral presentation skills will be practiced and reinforced

### **COURSE TITLE: 2900B English I (*Honors*)**

**Meets the UC/CSU entrance requirement:** B- English

**GRADE: 9**

**LENGTH: Full Year**

This is a course designed to engage the students in a rigorous curriculum of writing, reading, critical analysis of literature and grammar. Through the close reading of selected texts, students will read, analyze and write about literature. As they read, students will consider a work's structure, style and themes as well as such elements as the use of figurative language, imagery, symbolism and tone. In addition, students will have multiple opportunities for writing.

### **COURSE TITLE: 2933B English II**

**Meets the UC/CSU entrance requirement:** B- English

**GRADE: 10**

**LENGTH: Full Year**

This is an integrated language arts course that involves students in interrelated activities of reading, writing, speaking, and listening, both individually and in cooperative small group activities. Using a cross-curricular approach, students will read major core works and related short stories, poems, essays, expository text and/or biographical excerpts in order to explore how the meaning and values inherent in literature relate to themselves and the world around them. The process of writing continues to be emphasized with a major focus on analytical, argumentative, and narrative writing

### **COURSE TITLE: 2930B English II (*Honors*)**

**Meets the UC/CSU entrance requirement:** B- English

**GRADE: 10**

**LENGTH: Full Year**

This accelerated one-year course incorporates what is covered in English 2, but also includes major representatives in literature. Some American and English works are included. The Shakespearean play will also be studied. Essay writing is stressed, based on themes, arguments, and comparisons of the works read.

### **COURSE TITLE: EC0001 Seminar (*AP Capstone*)**

**Meets the UC/CSU entrance requirement:** B-English

**GRADE: 10, 11**

**LENGTH: Full Year**

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

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 2963B English III**  
**Meets the UC/CSU entrance requirement: B-English**

**GRADE: 11**  
**LENGTH: Full Year**

In this course, students will analyze all genres of American literature. Students compare works of different periods that deal with similar themes, learn to appreciate the impact history has had on our literature, and analyze the writings of major American authors. Students will acquire an understanding of the major periods in literature including American Puritan Thought, Deism/Rationalism, Romanticism and Transcendentalism. Frequent and varied composition work will accompany all units. Students learn the logic, rhetoric, and advanced writing techniques needed to write an argumentative essay and to give a rhetorical speech. Students will also explore the themes of American literature as they apply to Realism and other works of the twentieth century. As in all English classes, composition will be an integral part of the study of literature. Students will also study examples of non-fiction prose to develop an appreciation for diction, syntax, and style and an understanding of the methods of argumentation (rhetoric). Students must become acquainted with different techniques of writing style and be able to use them in their own writing.

**COURSE TITLE: 2954BH Language and Composition (AP)**  
**Meets the UC/CSU entrance requirement: B-English**

**GRADE: 11**  
**LENGTH: Full Year**

This course is designed to prepare highly motivated English language students for the rigors of college reading and writing. Students are trained to become close readers of exemplary American prose (nonfiction and fiction) written in a variety of styles. Documents in American Literature will be examined for their rhetorical value and evaluated by how authors use language (diction, syntax, tone, figurative language, and mode) to communicate their overall message. This course will encompass a survey of American literature, fostering awareness of how important works by American authors have shaped the philosophical beliefs within our nation. Students will learn to analyze text using a variety of strategies. The written part of the course emphasizes the use of various rhetorical strategies for effective expository and persuasive writing. Students will write regularly and will be encouraged to take risks in their writing in order to develop their individual voice and integrate rich vocabulary, varied sentence structure, logical and coherent argumentation and embed appropriate rhetorical and literary devices. Students will learn to respond to fiction and nonfiction as they develop expository prose and analyze texts.

**COURSE TITLE: 19919B Expository Reading & Writing (ERWC)**  
**Meets the UC/CSU entrance requirement: B- English**

**GRADE: 12**  
**LENGTH: Full Year**

The goal of the Expository Reading and Writing Course is to prepare college- bound seniors for the literacy demands of higher education. The ERWC emphasizes expository, analytical, and argumentative reading and writing. Students are expected to increase their awareness of the rhetorical strategies employed by authors and to apply those strategies in their own writing. Students read closely to examine the relationship between an author's argument or theme and his or her audience and purpose to analyze the impact of structural and rhetorical strategies and to examine the social, political, - and philosophical assumptions that underlie the text. The majority of readings are non-fiction, reflecting the smooth transition to college studies. The ERWC aligns with the California English Language Arts Content Standards, addresses critical reading and writing problems identified by the CSU English Placement Test Committee, and prepares students to meet the expectations of college and university faculty. The course meets college preparatory requirements for both the UC and CSU systems.

*Courses may vary by grade level to accommodate student needs*



**COURSE TITLE: 2957BH English Literature (AP)**  
**Meets the UC/CSU entrance requirement: B- English**

**GRADE: 12**  
**LENGTH: Full Year**

AP English Literature is a comprehensive literature-based course integrating expository, analytical, and argumentative writing assignments that are based on readings representing a wide variety of prose styles and genres. After an examination of the fundamental elements of drama found in Greek and Roman texts, this course surveys the highlights of British literature, American literature, World Literature and English culture. Students read, discuss, reflect, communicate and write about poetry, plays, short stories and novels assigned. This course is designed for seniors who are planning to enter a four-year university after high school. As a culmination of the course, students are highly encouraged to take the AP English Literature and Composition Exam in May of their senior year. A grade of 4 or 5 on this exam is considered equivalent to a 3.3 – 4.0 for comparable courses at the college or university level. A student who earns a 3 or above on the exam will be granted college credit at most colleges and universities throughout the United States.

**COURSE TITLE: 4017B ELD Intermediate 1**  
**Meets the UC/CSU entrance requirement: B- English**

**GRADE: 9-12**  
**LENGTH: Full Year**

This course is designed to provide English Language Development 3 students with a foundation of literary analysis through the exploration of author's style and purpose. It will also transition ELD 3 students into non-fiction and argumentative writing in College Prep English Courses at LAHS. Students will analyze reoccurring themes, plot structure, and point of view expressed by major writers. Students will also develop vocabulary for content specific terms and enrichment. Students will write regularly in order to develop their individual voices, to integrate rich vocabulary, and to vary sentence structure. During the course of the year students will engage in research and write document-based essays that will be orally presented.

*Courses may vary by grade level to accommodate student needs*

## MATHEMATICS (C)

**COURSE TITLE: 19957C Integrated Mathematics 1**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 9**  
**LENGTH: Full Year**

The fundamental purpose of Mathematics I is to formalize and extend students' understanding of linear functions and their applications. The critical topics of study deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Students build on their prior experiences with data, developing more formal means of assessing how a model fits data. Students use regression techniques to describe approximately linear relationships between quantities. They use graphical representations and knowledge of the context to make judgments about the appropriateness of linear models. With linear models, they look at residuals to analyze the goodness of fit. Mathematics I uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades.

**COURSE TITLE: 20034C Integrated Mathematics 1 (Honors)**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 9, 10**  
**LENGTH: Full Year**

This course will provide adequate preparation for highly motivated students looking to progress along an accelerated pathway to be able to enter AP Calculus AB or Precalculus H within high school. The course will cover all Integrated Math 1 topics at a faster pace focusing on a deeper understanding.

**COURSE TITLE: 19996C Integrated Mathematics 2**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 10**  
**LENGTH: Full Year**

The focus of Mathematics II is on quadratic expressions, equations, and functions. The need for extending the set of rational numbers arises and real and complex numbers are introduced. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course.

**COURSE TITLE: 20035C Integrated Mathematics 2 (Honors)**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 9, 10**  
**LENGTH: Full Year**

This course will provide adequate preparation for highly motivated students looking to progress along an accelerated pathway to be able to enter AP Calculus AB or Precalculus H within high school. The course will cover all Integrated Math 2 topics at a faster pace focusing on a deeper understanding.

**COURSE TITLE: 20047C Integrated Mathematics 3**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 11-12**  
**LENGTH: Full Year**

The standards in the integrated Mathematics III course come from the following conceptual categories: Modeling, Functions, Number and Quantity, Algebra, Geometry, and Statistics and Probability. Students expand their repertoire of functions to include polynomial, rational, and radical functions. Students perform all four operations on polynomials. Students identify zeros of polynomials and make connections between zeros of polynomials and solutions of polynomial equations. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 20050C Integrated Mathematics 3 (Honors)**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 11, 12**  
**LENGTH: Full Year**

This course will provide adequate preparation for highly motivated students looking to enter AP Calculus AB or Precalculus H the following year. The course will cover the following topics in addition to those covered in Integrated Math 3: additional topics in Trigonometry to include unit circle trigonometry, graphing all trigonometric functions, verifying trigonometric identities, solving trigonometric equations, and an introduction to limits.

**COURSE TITLE: 5402C Pre-Calculus**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 11, 12**  
**LENGTH: Full Year**

In Precalculus, students extend their work with complex numbers begun in Mathematics III to see that the complex numbers can be represented in the Cartesian plane and that operations with complex numbers have a geometric interpretation. They connect their understanding of trigonometry and the geometry of the plane to express complex numbers in polar form. Students begin working with vectors. Students also work with matrices, their operations, and find inverse matrices. They see the connection between matrices and transformations of the plane. Students use matrices to represent and solve linear systems. Students extend their work with trigonometric functions, investigating the reciprocal functions secant, cosecant, and cotangent and their graphs and properties. They find inverse trigonometric functions by appropriately restricting the domains of the standard trigonometric functions and use them to solve problems that arise in modeling contexts. Students add ellipses and hyperbolas to their work. They also work with polar coordinates and curves defined parametrically and connect these to their other work with trigonometry and complex numbers. Finally, students work with more complicated rational functions, graphing them and determining zeros, y-intercepts, symmetry, asymptotes, intervals for which the function is increasing or decreasing, and maximum or minimum points.

**COURSE TITLE: 5399CH Pre-Calculus (Honors)**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 11, 12**  
**LENGTH: Full Year**

This course will provide adequate preparation for highly motivated students looking to progress along an accelerated pathway to be able to enter AP Calculus AB the following year.

**COURSE TITLE: 5417C Calculus**  
**Meets the UC/CSU entrance requirement: C-Mathematics**

**GRADE: 11, 12**  
**LENGTH: Full Year**

This Calculus course includes the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of Calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and math analysis.)

**COURSE TITLE: 5459CH Calculus AB (AP)**  
**Meets the UC/CSU entrance requirement: C- Mathematics**

**GRADE: 12**  
**LENGTH: Full Year**

AP Calculus AB provides students with an understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: functions, graphs, limits, and continuity; differential calculus (including definition, application, and computation of the derivative; derivative at a point; derivative as a function; and second derivatives); and integral calculus (including definite integrals, areas between curves, and volumes of solids).

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 54CH Calculus BC (AP)**  
**Meets the UC/CSU entrance requirement:** C-Mathematics

**GRADE: 12**  
**LENGTH: Full Year**

AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

**COURSE TITLE: 5526C Statistics**  
**Meets the UC/CSU entrance requirement:** C-Mathematics

**GRADE: 12**  
**LENGTH: Full Year**

This course is an introduction to the study of probability, interpretation of data, and fundamental statistical problem solving. Mastery of this academic content will provide students with a solid foundation in probability theory and calculations and facility in processing statistical information. Topics include independent events, conditional probability, discrete random variables, and standard distributions: mean, median, and mode; variance and standard deviation; and data organization.

**COURSE TITLE: 5520CH Statistics (AP)**  
**Meets the UC/CSU entrance requirement:** C-Mathematics

**GRADE: 12**  
**LENGTH: Full Year**

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

**COURSE TITLE: 8556C Math Reasoning with Connection (MRWC)**  
**Meets the UC/CSU entrance requirement:** C- Mathematics

**GRADE: 12**  
**LENGTH: Full Year**

MRWC is designed as a 4th year mathematics course following Math I - III (or Alg I – II and Geometry) that will provide a bridge into multiple college and career options, including STEAM, CTE, and non-technical pathways. Students successfully completing MRWC will have acquired content skills and attitudes towards learning that will be expected in entry-level college mathematics. MRWC addresses the full scope of advanced mathematical topics in a way that is substantively different from the traditional curriculum. The distinctiveness of MRWC lies in its unique design and topic sequencing, and in the emphasis on instructional delivery, that promotes exploratory and collaborative student engagement. Based on the Common Core State Standards viewpoint that mathematics is a cohesive and connected body of work, MRWC is structured to highlight overarching themes in mathematics that are intrinsic to and underlie many topics in the high school curriculum. The themes provide a mechanism for expanding existing content into new, advanced areas in a way that makes explicit the connectedness between old and new topics that might otherwise appear to students to be unrelated. They provide consistent threads that help students grasp why the 'rules' are the way they are as well as the constraints under which those 'rules' operate. The themes are 1. Reasoning with Numbers 2. Reasoning with Functions 3. Reasoning with Equivalences 4. Reasoning with Distance MRWC seamlessly interweaves the CCSS Mathematical Practices throughout the curriculum and develops key Habits of Mind and a mathematical disposition required for attaining high-level content knowledge. A distinctive aspect of MRWC is a consistent emphasis on discussion and analysis of alternative representations and multiple perspectives for approaching and understanding content. It is designed to encourage strategic and flexible mathematical thinking as well as to enable students to become self-reflective learners.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 5812GH Computer Science A (AP)**  
**Meets the UC/CSU entrance requirement: C-Mathematics**

**GRADE: 9-12**  
**LENGTH: Full Year**

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

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*Courses may vary by grade level to accommodate student needs*

## SCIENCE (D)

**COURSE TITLE: 6860D Biology****Meets the UC/CSU entrance requirement:** D- Lab Science**GRADE: 9****LENGTH: Full Year**

Biology is designed to introduce students to the major concepts of modern biology. These concepts include study of cell biology, genetics, ecology, evolution, and basic physiology. This is an all-inclusive, college preparatory course and can be demanding in its scope. Classroom discussion, lectures, laboratory activities, dissections and projects are used to enhance the learning process. The unit on sex education focuses on the function and process of human reproduction as well as disease prevention.

**COURSE TITLE: 6863D Biology (Honors)****Meets the UC/CSU entrance requirement:** D- Lab Science**GRADE: 9****LENGTH: Full Year**

The Biology Honors course is designed to give the students an in-depth look at the many facets of Biology. The course uses extensive laboratory experiments, observations, simulations, dissections and fieldwork to give each student experience in the scientific process and the opportunity to sharpen observation skills, interpret data and improve written communication. The course begins with the basics of biochemistry and experimental design and moves on to the study of the cell, transport, mitosis, meiosis, DNA, protein syntheses, genetic engineering, genetics, ecology, & evolution. Human body systems for examination are the unit on sex education focuses on the function and process of human reproduction as well as disease prevention.

**COURSE TITLE: 6866DH Biology (AP)****Meets the UC/CSU entrance requirement:** D- Lab Science**GRADE: 11, 12****LENGTH: Full Year**

Biology AP is designed to be a second year of Biology and is the equivalent of the first year of college biology. This rigorous course includes in depth and comprehensive coverage. 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. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. This class may require students to participate in class outside of the regular instructional day. Students enrolled in this course are expected to take the AP Biology examination that is administered in May of each academic year.

**COURSE TITLE: 6920D Anatomy & Physiology****Meets the UC/CSU entrance requirement:** D- Lab Science**GRADE: 11, 12****LENGTH: Full Year**

A lecture based course designed to give students a lab based college preparatory experience. This course will focus on the study of internal and external structures of the human body, the physical relationships among body parts, and the study of how living organisms perform their vital functions. All body systems are covered and include: Integumentary, Skeletal, Muscular, Nervous, Circulatory, Lymphatic, Respiratory, Endocrine, Digestive, Urinary, and Reproductive Systems as well as overview of Fetal Development.

**COURSE TITLE: 6890D Chemistry****Meets the UC/CSU entrance requirement:** D- Lab Science**GRADE: 11, 12****LENGTH: Full Year**

Chemistry is a laboratory-based class. Topics studied in this course will include matter, the Periodic Table, atomic and molecular structure, chemical bonds, nuclear chemistry, stoichiometry, energy, chemical thermodynamics, reaction rates, equilibrium, and introductions to environmental chemistry and biochemistry. Laboratories, activities, lectures, and class discussions, and collaborative projects are used to enhance the learning process.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 6893DH Chemistry (Honors)**  
**Meets the UC/CSU entrance requirement:** D- Lab Science

**GRADE: 11, 12**  
**LENGTH: Full Year**

Chemistry Honors is a theory/math and laboratory oriented approach to the study of chemistry. Topics studied in this course will include matter, the Periodic Table, atomic and molecular structure, chemical bonds, nuclear chemistry, stoichiometry, energy, chemical thermodynamics, reaction rates, equilibrium, and introductions to environmental chemistry and biochemistry. The course is designed to prepare students for Advanced Placement and International Baccalaureate Chemistry. Emphasis is placed on problem solving and inquiry techniques.

**COURSE TITLE: 6899DH Chemistry (AP)**  
**Meets the UC/CSU entrance requirement:** D- Lab Science

**GRADE: 11, 12**  
**LENGTH: Full Year**

This course requires extensive laboratory and course work in preparation to pass the national AP Chemistry exam in May. Topics include prediction of chemical reactions, solubility of products, atomic structure and periodicity, molecular structure, shape and phase transitions equilibrium, thermochemistry, nuclear chemistry and behavior of gases. Students enrolled in this course are expected to take the AP Chemistry exam that is administered in May of each academic year.

**COURSE TITLE: 6839D Physics**  
**Meets the UC/CSU entrance requirement:** D- Lab Science

**GRADE: 11, 12**  
**LENGTH: Full Year**

The purpose of this course is to provide a logical and easily followed approach to the principles of classical physics. The first semester will be devoted to the concepts of classical mechanics (one and two dimensional motion, forces, work and energy, circular motion, momentum etc.). The second semester will focus on a variety of areas including, electricity and magnetism, waves, thermodynamics and modern physics. Emphasis will be placed on problem solving skills and understanding of basic concepts. All concepts will be supported with laboratory experiments and demonstrations. This course satisfies one of the laboratory science requirements for college entrance.

**COURSE TITLE: 9945D Physics C (AP)**  
**Meets the UC/CSU entrance requirement:** D- Lab Science

**GRADE: 11, 12**  
**LENGTH: Full Year**

AP Physics C: Mechanics prepares university-bound students for the AP Physics C Mechanics test. This course covers the basics of Newtonian mechanics and is accepted by most college and universities as the equivalent of 5-semester units of a calculus-based Physics class. Additional time out-of-class will be required for successful completion of this course. Students enrolled in this course are expected to take the AP Physics C examination that is administered in May of each academic year.

**COURSE TITLE: 9964DH Physics 1 (AP)**  
**Meets the UC/CSU entrance requirement:** D- Lab Science

**GRADE: 11, 12**  
**LENGTH: Full Year**

AP Physics 1 is an algebra-based introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 9265DH Environmental Science (AP)**  
**Meets the UC/CSU entrance requirement: D- Lab Science**

**GRADE: 10-12**  
**LENGTH: Full Year**

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

*Courses may vary by grade level to accommodate student needs*



## MODERN LANGUAGES (E)

### **COURSE TITLE: 4130E Spanish 1**

**Meets the UC/CSU entrance requirement:** E- Language Other Than English

**GRADE: 9-12**

**LENGTH: Full Year**

Spanish 1 is a beginning course in which students develop a basic proficiency in the four skills of language learning: listening comprehension, speaking, reading, and writing, with special emphasis on cultural awareness. Students will be able to make connections and comparisons between their native language and Spanish.

### **COURSE TITLE: 4133E Spanish 1S**

**Meets the UC/CSU entrance requirement:** E- Language Other Than English

**GRADE: 9-12**

**LENGTH: Full Year**

Spanish 1S provides students an intensive language experience that immerses students culturally and facilitates learning that builds the repertoire of skills necessary for successful second language acquisition. By the end of this course, students will have attained appropriate language proficiency levels in respect to speaking conversationally, basic writing, listening, and reading of basic texts, such as a newspaper, poems, and children's literature at a heightened level than regular Spanish 1 would provide. Students will also explore the origins and development of the Spanish language through culturally relevant activities, allowing students a chance to study language within the context of culture. Students will learn key vocabulary related to everyday living or relevant subjects, study verbs, specifically focusing on how to navigate tense, and use common phrases and cultural expressions with ease. Students should be able to ask questions, express a basic idea, read simple material, and converse in Spanish at a basic level with Native and non-Native Spanish speakers.

### **COURSE TITLE: 4145E Spanish 2**

**Meets the UC/CSU entrance requirement:** E- Language Other Than English

**GRADE: 9-12**

**LENGTH: Full Year**

Spanish 2 is an intermediate Spanish class in which students will continue to develop the ability to speak, read, write, and understand Spanish. Students will also acquire more knowledge about various customs and traditions of Spanish speaking countries. Lastly, students will be able to make connections and comparisons between their native language and Spanish.

### **COURSE TITLE: 4142E Spanish 2 (Honors)**

**Meets the UC/CSU entrance requirement:** E- Language Other Than English

**GRADE: 9-12**

**LENGTH: Full Year**

Spanish 2 Honors is a course in the fundamental skills of Literacy: Speaking, Listening, Reading, and Writing in preparation for 3 Honors. There will be an emphasis in the development of vocabulary, grammar, and writing skills. Students will be exposed to the histories and cultures of Spanish - speaking countries. Since this is an honors level course, the expectation is that all instruction and interaction is conducted only in Spanish.

### **COURSE TITLE: 4157E Spanish 3**

**Meets the UC/CSU entrance requirement:** E- Language Other Than English

**GRADE: 10-12**

**LENGTH: Full Year**

This class is designed to further develop students' ability to speak, write, and understand the Spanish language. This course will enhance students' oral and literacy skills through extended vocabulary, grammar, oral presentations, and cultural literature. Class discussions and peer dialogues are highly encouraged and expected. Students will be engaged in learning about Latin-American culture, literature, and geography. This class will help students prepare for honors and college level courses. Spanish 3 is instructed in Spanish to provide students with a fully immersed Spanish language opportunity. Lastly, students will be able to make connections and comparisons between the English and Spanish languages.

**COURSE TITLE: 4154E Spanish 3 (Honors)****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 10-12****LENGTH: Full Year**

Spanish 3 Honors expands on the fundamental skills of literacy; listening, speaking, reading and writing in preparation for AP Spanish Language. This is an honors level course in which all instruction and interaction is conducted only in Spanish with the expected outcome of increasing fluency in the native Speaker. Students will be exposed to the histories, cultures and politics of Spanish-speaking countries through literature selections. Writing for this course will emphasize formal essay structure, as well as, individual and group projects.

**COURSE TITLE: 4175EH Spanish Language & Culture (AP)****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 11-12****LENGTH: Full Year**

AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students enrolled in this course are expected to take the AP Spanish Language and Culture examination that is administered in May of each academic year.

**COURSE TITLE: 4178EH Spanish Literature & Culture (AP)****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 11-12****LENGTH: Full Year**

AP Spanish Literature and Culture is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts.

**COURSE TITLE: 4220E Chinese 1****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 9-10****LENGTH: Full Year**

The Chinese 1 class is the beginning level for Mandarin Chinese language learners with minimum or no Chinese language background. This course will use Pinyin and traditional Chinese characters.

**COURSE TITLE: 4217E Chinese 2****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 9-10****LENGTH: Full Year**

The Chinese 2 class is for the Novice High level of Mandarin Chinese Language learners who have successfully passed Chinese 1, or have passed the school district Chinese 3 Honors assessment test with a score of at least 45%. The Chinese II course will continue expanding students' language abilities in listening, speaking, reading, and writing. By the end of Chinese 2, a successful student will be able to use Chinese to acquire relevant content through the study of various topics to meet content standards up to Novice Mid to Novice High Level.

**COURSE TITLE: 4289E Chinese 3 (Honors)****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 10-12****LENGTH: Full Year**

The Chinese 3 Honors class is the intermediate low to intermediate level for Mandarin Chinese language learners who have successfully passed Chinese 2, or have passed the school district Chinese 3 Honors assessment test up to 75-80% accuracy. This course will continue to refine and enhance students' abilities to understand, speak, read, and write in Chinese as well as to broaden the students' understanding of Chinese culture and heritage.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 4292EH Chinese 4 (Honors)****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 11-12****LENGTH: Full Year**

Chinese 4 Honors is designed for students who have successfully completed Chinese 3 Honors class, or have passed the school district Chinese 4 Honors assessment test up to 80% accuracy.

**COURSE TITLE: 6005EH Chinese Language and Culture (AP)****Meets the UC/CSU entrance requirement:** E- Language Other Than English**GRADE: 11-12****LENGTH: Full Year**

The AP course prepares students to demonstrate their level of Chinese proficiency across the three communicative modes (Interpersonal, Interpretive, and Presentational) and the five goal areas (Communication, Cultures, Connections, Comparisons, and Communities) as outlined in the Standards for Foreign Language Learning. Students enrolled in this course are expected to take the AP Chinese Language and Culture examination that is administered in May of each academic year.

*Courses may vary by grade level to accommodate student needs*

## VISUAL & PERFORMING ARTS (F)

**COURSE TITLE: 2017FH Studio Art (AP)**

**GRADE: 11-12**

**Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts

**LENGTH: Full Year**

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 — 2-D Design, 3-D 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.

**COURSE TITLE: 2000F Introduction to Art**

**GRADE: 9-12**

**Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts

**LENGTH: Full Year**

This is a studio course designed to bring students to the proficient level in the Visual Arts as prescribed by the California State Visual and Performing Arts Standards. Students will work with one and two-dimensional Medias as they explore the expressive qualities of the media. Some of the media that will be explored are: graphite, tempera, acrylic, pastels, India ink, felt tip, modeling clay, plaster, charcoal and various printmaking materials. The five strands of the Visual and Performing Standards will be introduced, which are: artistic perception, creative expression, historical and cultural context, aesthetic valuing, and connections, relationships, and applications. Students will have the opportunity to apply these concepts to their original artwork, and understand their meaning. Students will keep a portfolio of their work, and when necessary provide written critiques of works created.

**COURSE TITLE: 2003F Intermediate Art**

**GRADE: 9-12**

**Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts

**LENGTH: Full Year**

This course is designed to provide students an opportunity to further explore a variety of drawing and painting techniques. Students will use many different wet and dry Medias, such as: watercolor, charcoal, graphite, tempera, acrylic, pastel, India ink and felt pen. Emphasis is on aesthetic awareness, artistic expression and creative problem solving. Students will set any of their own goals, choose experiences and engage in self-evaluation.

**COURSE TITLE: 3035F Introduction to Drama**

**GRADE: 9-11**

**Meets the UC/CSU entrance requirement:** F-Visual and Performing Arts

**LENGTH: Full Year**

This course is designed to introduce students to a variety of theatrical experiences. Students will develop proficiency in the use of voice and body while improving their self-confidence and discipline. The course will provide students the opportunity to experience theater, both on stage and off, through reading, performing, viewing and analyzing dramatic literature. Students will develop an appreciation and understanding of the theater through movement and vocal exercises, pantomime, improvisation and performance.

**COURSE TITLE: 3260F Intermediate Drama**

**GRADE: 10-12**

**Meets the UC/CSU entrance requirement:** F-Visual and Performing Arts

**LENGTH: Full Year**

This course is designed to engage students who have a continuing interest in drama in a more in-depth study of theater. Areas of concentration include: Shakespearean, European, American, 20<sup>th</sup> Century literature, advanced movement and acting techniques, an overview of stagecraft techniques, and intensive play production and performance experience.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 3038F Advanced Drama****Meets the UC/CSU entrance requirement:** F-Visual and Performing Arts**GRADE: 11-12****LENGTH: Full Year**

This course builds on the basic theatre skills learned in the Intermediate Drama class. In addition, this course is a production course that is run like a mini-theatre company. Thus, students will be required to participate in the Drama Department's extra-curricular productions and events in the role of a performer, director, technician, usher or designer.

**COURSE TITLE: 5773F Dance****Meets the UC/CSU entrance requirement:** F-Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

Dance is designed to provide an understanding of the principles and vocabulary of dance movements. Students will develop physically in the areas of flexibility, coordination, balance, strength, body control and cardiovascular endurance. Emphasis will also include dance skills and technique, choreography and competition. Other areas of study will include nutrition, history of basic dance forms, primary elements of choreography, and critical awareness of dance evaluation.

**COURSE TITLE: 7109F Intermediate Dance****Meets the UC/CSU entrance requirement:** F-Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

Intermediate Dance continues the base from which a dancer successfully completed the Dance I course. Previous dance experience may also be taken into consideration for placement in the Intermediate Dance class. This course will focus on more extensive techniques than previously taught, primarily in jazz, ballet, and modern genres. Concepts such as improvisation and choreography will also be worked throughout the year. The class will culminate in a dance concert during the second semester featuring student choreography works and full class pieces.

**COURSE TITLE: 1000F Advance Dance****Meets the UC/CSU entrance requirement:** F-Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

This course is designed to engage students who have a continuing interest in dance in a more in- depth study. Emphasis will be placed on advance dance skills and technique, performance choreography, and competition. This course will take the dance through a real world scenario of dancers experiencing the audition process, choreographing their own original works, rehearsing, lighting design, costuming and staging. The dancer should convey the portrayal of the choreographer's artistic intent appropriately. The class will function as a virtual dance company, with all students being committed to their role as an Artistic Director, Treasurer, and Costumer, Choreographer or dance company ensemble.

**COURSE TITLE: 6218F Jazz Band****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

This is an activity class for the more mature player for continued exposure to and participation in the performance of jazz-oriented music. A continuation of Jazz Band with more advanced skills leading to extensive solo technique and more challenging material and literature. Students will be expected to participate in several activities outside school hours to fulfill course requirements.

**COURSE TITLE: 6356F Percussion****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

This course focuses on drumline activities throughout the year as well as providing concert band with the necessary percussion parts for the performing cadences and contemporary music.

**COURSE TITLE: 6212F Symphonic Band****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

A symphonic band for the general musician. Prior musical experience is necessary. The compositions studied will include representative works of the various period of music as well as different styles of interpretation. Represents the school and the community at numerous performances throughout the school year. Attendance at all performances and extra rehearsals is required.

**COURSE TITLE: 6293F Wind Ensemble****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

This course is for the advanced musician. Students perform challenging wind literature and represent the school and community at numerous performances throughout the school year. Attendance at all performances and extra rehearsals is required.

**COURSE TITLE: 6200F Color Guard****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

Students will develop proficiency in the art of Color Guard through the application of dance and equipment skills.

**COURSE TITLE: 6260F Concert Choir****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

This course is designed for the student who enjoys singing and wishes to learn and perform advanced choral literature. Students develop vocal technique, listening and performance skills needed for a varied and exciting repertoire. Participation in the concerts is required. Students learn to work together and develop lasting friendships based on their appreciation of music.

**COURSE TITLE: 6265F Men's Choir****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

In this course, students will perform musical works in a large ensemble for higher voices by building their individual vocal mechanism with consistent and balanced vocal tone, learn musical nuance and phrasing, incorporate proper historical context and stylistic elements, develop the ability to verbally articulate notation with accurate usage of musical academic language, listen to model recordings and to evaluate performance elements, and develop individual musicianship skills including sight-reading, ear-training, and music theory knowledge. The goals of this course are for students to demonstrate vocal techniques and musical understanding through ensemble performance and through individual assessment. Students must complete a comprehensive audition to be eligible to enroll in Acappella that includes musicianship tests and prepared solo repertoire. Students enrolled in Acappella are required to attend all concert and festival performances as well as after-school dress rehearsals. Students who wish to progress to Madrigals will also be required to audition at the end of the year.

**COURSE TITLE: 6274F Production Choir****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

This exciting group of singers is comprised of selected members, who have advanced skills in singing, sight-reading, and musicianship. Students in this group can expect to perform regularly in a variety of settings including both school and community sponsored events. Music will be performed with choreography. Students can also expect to participate in rehearsals outside of school time as part of the program.

**COURSE TITLE: 6290F Womens Ensemble****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

Women's Choir is for the beginners as well as experienced singers. Emphasis on vocal techniques, and performance skills. This group of female students performs music ranging from Renaissance to Contemporary in numerous concerts each year.

**COURSE TITLE: 6396FH Music Theory (AP)****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 10-12****LENGTH: Full Year**

A major component of any college music curriculum is a course introducing the first-year student to musicianship, theory, musical materials, and procedures. It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight singing, and keyboard harmony are considered an important part of the theory course, although they may be taught as separate classes.

**COURSE TITLE: EC0002 Piano****Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts**GRADE: 9-12****LENGTH: Full Year**

Piano is for individualized piano study for the beginning, intermediate or advanced student. The student will read, notate, listen to, analyze, and describe music and other aural information, using the terminology of music. Students will apply vocal and instrumental music skills in performing a varied repertoire of music. Students will compose and arrange music and improvise melodies, variations, and accompaniments, using digital/electronic technology when appropriate. The student will analyze the role of music in past and present cultures throughout the world, noting cultural diversity as it relates to music, musicians, and composers.

*Courses may vary by grade level to accommodate student needs*

## ELECTIVES (G)

**COURSE TITLE: 19813G Advanced Journalism/Yearbook**

**Meets the UC/CSU entrance requirement:** G- College Prep Elective

**GRADE: 9-12**

**LENGTH: Full Year**

Advanced Journalism is a two-semester course, combining the high-level critical thinking, reading and writing skills of print journalism with the artistic, creative and aesthetic skills of the visual and graphic arts. Students master the writing and editing of the most common forms of journalistic stories; read and analyze relevant literature through expository writing; learn and practice the basics of design and layout; analyze and evaluate images based on a set of given values; learn communication, management, and evaluation skills for individuals and small teams; use of state-of-the-art word processing and design software; and demonstrate knowledge and understanding of ethical responsibilities and communications. This course will sharpen students' thinking and expression, widen their experience with people and communication, provide an environment for self-directed learning and give them confidence in their ability to see their creative ideas to completion.

**COURSE TITLE: 6010G AVID 1**

**Meets the UC/CSU entrance requirement:** G- College Prep Elective

**GRADE: 9**

**LENGTH: Full Year**

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a yearlong course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test taking, note taking, and research techniques.

**COURSE TITLE: 6013G AVID 2**

**Meets the UC/CSU entrance requirement:** G- College Prep Elective

**GRADE: 10**

**LENGTH: Full Year**

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a yearlong course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test taking, note taking, and research techniques.



**COURSE TITLE: 6016G AVID 3****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 11****LENGTH: Full Year**

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test taking, note taking, and research techniques.

**COURSE TITLE: 6019G AVID 4****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 12****LENGTH: Full Year**

The AVID Senior Seminar is a two- year interdisciplinary course for AVID juniors and seniors. The course is designed for those students who elect to take a course that prepares them for the rigor required for college work. Students will engage in higher levels of WIC-R (writing, inquiry, collaboration and reading) strategies than experienced in prior years of AVID. These higher-level thinking, reading, writing and oral language skills are needed to prepare students for the level of work required to produce a culminating research project at the end of the senior year.

**COURSE TITLE: 7524G Economics****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 12****LENGTH: Semester**

This survey course will include both micro and macroeconomics with more of an emphasis on the former. For the first two grading periods, the focus will be on microeconomics, which is the study of ways individuals allocate scarce resources to satisfy unlimited wants. Topics of the course include: supply and demand, elasticity of supply and demand, consumer and firm behavior, perfect competition, monopoly, oligopoly, and monopolistic competition, resource markets, market failures, and externalities. During the final grading period, we cover macroeconomics. Topics in macro include: Introductions to Gross Domestic Product, the stock market, inflation, recession, unemployment, government fiscal policy, monetary policy, and the Federal Reserve.

**COURSE TITLE: 7000G Environmental Science 1****Meets the UC/CSU entrance requirement:** G-College Prep Elective**GRADE: 9, 10****LENGTH: Full Year**

Environmental Science is a laboratory science course that enables students to develop an understanding of natural and man-made environments and environmental problems the world faces. Students explore environmental science concepts through an inquiry-based approach. Embedded standards for inquiry and technology engineering are taught in context of the content standards for Earth Systems, The Living World, Human Population, Water and Land Resources, Energy Resources and Consumption, Pollution and Waste Production, Global Change, and Civic Responsibility.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 3029G Journalism****Meets the UC/CSU entrance requirement:** G-College Prep Elective**GRADE: 9, 10****LENGTH: Full Year**

Beginning Journalism is a course that focuses on developing and strengthening students' understanding of the practices and purposes of American Journalism. Students will learn about the history, roles, rights, and responsibilities of the modern journalist and will apply this understanding in a variety of journalistic endeavors. An emphasis on critical thinking, research, ethics, communication, and the structure and craft of different styles of journalistic writing will be paramount. Students will read and write on a daily basis, and through a variety of mediums. They will integrate theoretical studies with modern and practical applications throughout the course. They will develop their own questions and conduct extensive research across a range of academic disciplines to answer them. They will strive for accuracy, objectivity, and truth in all that they do. They will work to contribute to their community, and they will regularly reflect on the value of that impact. They will use technology and digital media to enhance and extend their understanding and creations, and to listen to and reach a broader population. They will work alone and in groups, and will foster independence, agency, communication, and collaborative skills throughout the course.

**COURSE TITLE: 7614GH Micro Economics (AP)****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 12****LENGTH: Semester**

This course is for advanced students interested in college-level work in economics and/or gaining advanced standing in college. The course begins with a study of fundamental economic concepts such as scarcity, opportunity cost, production possibilities, specialization, and comparative advantage. Major topics include the nature of functions of product markets; factor markets; and efficiency, equity, and the role of government. Students enrolled in this course are expected to take the AP Microeconomics examination that is administered in May of each academic year.

**COURSE TITLE: 7550G Psychology****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 11, 12****LENGTH: Full Year**

Psychology is an engaging and thought provoking class that introduces students to the various areas of the study within psychology, which include psychology theory, anatomy and physiology of the brain, levels of consciousness and human cognition, disorders and social psychology. Various topics will be studied in depth with the goal of relating what is studied in class with a student's own life experiences. Students will learn how psychological theories explain human activity and in the process, they will better understand the challenges they face as adolescents and the challenges they will face as adults.

**COURSE TITLE: 5723 Leadership****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 10-12****LENGTH: Full Year**

Leadership class will stress the skills, theory, and subject material of parliamentary procedure, speech training, human relations, and personality development. Students will learn about the nature and function of the ASB; they will learn the theory of leadership, how to conduct meetings, public speaking, how to lead a group and how to get along with other people. This group will seek to establish patterns for future student bodies to be guided. Traditions will be established; underclassmen will be trained to assume responsibilities; positions on the cabinet will be studied and evaluated; all phases of student activities will be studied in a spirit of constant improvement. The broad goals will be achieved by the A.S.B. working together in and out of the classroom.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 5725 Leadership 9<sup>th</sup> Grade****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 9****LENGTH: Full Year**

Leadership class will stress the skills, theory, and subject material of parliamentary procedure, speech HS, training, human relations, and personality development for 9th grade students. Students will learn about the nature and function of the ASB; they will learn the theory of leadership, how to conduct meetings, public speaking, how to lead a group and how to get along with other people. This group will seek to establish patterns for future student bodies to be guided. Students will be trained to assume responsibilities; positions on the cabinet will be studied and evaluated; all phases of student activities will be studied in a spirit of constant improvement. The broad goals will be achieved by the A.S.B. working together in and out of the classroom.

**COURSE TITLE: 5976 Renaissance Leadership****Meets the UC/CSU entrance requirement:** G- College Prep Elective**GRADE: 10-12****LENGTH: Full Year**

A student leadership class focused on recognizing and rewarding the various achievements of students and adults on campus. Student leader's work on daily, weekly, monthly and special recognitions for things such as student and faculty birthdays, Students of the Month, inspirational teachers, Conqueror of the Week and many more! Renaissance members also design and carry out semester recognition rallies as well as help organize and our various spirit events on campus. Desired skills include creativity, artistic ability, video production, public speaking and overall positive attitude.

**COURSE TITLE: EC0000 Research (AP Capstone)****Meets the UC/CSU entrance requirement:** G – College Prep Elective**GRADE: 11-12****LENGTH: Full Year**

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

## CTE Courses

**COURSE TITLE: 19744F Digital Graphics Design 1**

**Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts

**GRADE: 9-12**

**LENGTH: Full Year**

This course helps students develop aesthetic criteria in order to create graphic art imagery using a microcomputer. The course emphasizes the knowledge and application of the art elements and principles of design as used in visual communication. Students use the computer and digital tools to apply or formulate programs to communicate creative visual ideas, including animation, game production, and artistic aspects of Web site design.

**COURSE TITLE: 20030G Digital Graphic Design 2**

**Meets the UC/CSU entrance requirement:** G- College Prep Elective

**GRADE: 9-12**

**LENGTH: Full Year**

This course is designed to provide instruction in theoretical and technical skills of advanced digital art and multimedia applications. Students will have extensive hands-on use of computer-based materials to develop multimedia projects based on computer graphic applications. Significant emphasis will be implemented focusing on individual artist's creative expression through the use of digital art and multimedia software applications.

**COURSE TITLE: 19743F Digital Animation**

**Meets the UC/CSU entrance requirement:** F- Visual and Performing Arts

**GRADE: 9-12**

**LENGTH: Full Year**

This competency-based course introduces students to the field of animation and helps them develop the essential skills for traditional animation and animated filmmaking as well as gain knowledge about the career opportunities within the field. The course is based on three concentrations of all animation: Animation Mechanics, Art and Cinema Skills, Pencil-Acting and Story-Telling. Elements and techniques of the story, basic drawing, technical animation and timing, character construction and design, layout and the history of animation are also covered. Storytelling and acting is emphasized. Integrated throughout the course are career preparation standards, which include basic academic skills, communication, interpersonal skills, problem solving, safety and technology.

**COURSE TITLE: 8930G Medical Core**

**Meets the UC/CSU entrance requirement:** G- College Prep Elective Arts

**GRADE: 9-12**

**LENGTH: Full Year**

This course is for students who are or will be enrolled in a skills-specific ROP class and for those pursuing a career requiring post-secondary education. Topics include socio-economic issues affecting health care in the United States, anatomy and physiology, pathologies of the various systems, job titles and changes in levels of responsibilities, basic medical terminology, and career planning. Integrated throughout the course are career preparation standards, which include basic academic skills, communication, interpersonal skills, problem solving, safety, technology and other employment skills. This course assists with preparation for a career in the medical field.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 19097G Principles of Sports Medicine**  
**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 9-12**  
**LENGTH: Full Year**

This is a course that prepares the student as a Physical Therapy Aide, Athletic Trainer Assistant, or Exercise Assistant. During the practical application of their content skills, students will support the athletic programs being conducted at their school. After successful completion of this course, students will have the prerequisite skills to pursue advanced studies at the neighboring colleges and universities. The course may be taught by a NATA certified athletic trainer.

**COURSE TITLE: 20042G Personal Fitness Trainer**  
**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 9-12**  
**LENGTH: Full Year**

This course is designed to prepare students with entry-level employment skills in the areas of fitness and exercise, physical therapy and athletic training. Instruction will include basic anatomy and physiology, vital signs, first aid, CPR and nutrition for fitness and sports. Specific topics such as personal training and gym equipment management, theory, and application of exercise (isometric, isotonic, isokinetic), injury prevention and rehabilitative exercises are also taught. This class prepares students to take the Personal Trainer Certification Test. Students are responsible for the cost of the Certification Test.

**COURSE TITLE: 8817F Video Production 1**  
**Meets the UC/CSU entrance requirement: F- Visual and Performing Arts**

**GRADE: 9-12**  
**LENGTH: Full Year**

This course prepares the student to work in broadcast TV studio, cable television production, independent video production company, audio/video departments, and post-production companies. Basic production skills, studio operation, on-location taping and working together as a production team prepare the student for an entry-level production position. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety and technology, and other employment skills.

**COURSE TITLE: 19913F Video Production 2**  
**Meets the UC/CSU entrance requirement: F- Visual and Performing Arts**

**GRADE: 9-12**  
**LENGTH: Full Year**

This course is the second in a series to prepare for a career in Broadcast/Video Production and/or to transfer to a postsecondary program for further study. Topics include: planning, writing, directing and editing a production; field equipment functions; operational set -up and maintenance; advanced editing operations; studio productions; performance; audio/video control systems; production graphics; career opportunities; and professional ethics. Integrated throughout the course are career preparation standards, which include communication, interpersonal skills, problem solving, safety, technology and other employment skills.

**COURSE TITLE: 18819 Video Production 3**  
**Meets the UC/CSU entrance requirement: F- Visual and Performing Arts**

**GRADE: 10-12**  
**LENGTH: Full Year**

Video Production 3 is a one-year, advanced-level, CTE elective course that meets the UC "g" requirement 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 film 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.

*Courses may vary by grade level to accommodate student needs*

**COURSE TITLE: 20024 Principles of Engineering**  
**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 9-12**  
**LENGTH: Full Year**

This course is designed to provide students with classroom and lab experience in current engineering technologies. Content involves the engineering design process, applying math and science to hands-on project based learning projects. Concepts of basic electrical systems, strength of structures and materials, mechanical systems, and other engineering technologies are introduced. Competencies include basic shop safety, reading schematics, use of hand-tools and power tools, and safe use of industrial equipment. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

**COURSE TITLE: 20029 Applied Engineering**  
**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 10-12**  
**LENGTH: Full Year**

This course promotes interdisciplinary learning with emphasis on high interest projects that provide hands-on opportunities for students to master the applied engineering design process. Concepts of electrical/digital circuit design and analysis, aerodynamics, robotics, automation, composite materials, programming, computer data analysis, and the manufacturing process are covered in depth. Design projects include analyzing the design process, problem solving, budgeting, project management skills, identifying funding sources, scheduling, and presentation skills.

**COURSE TITLE: 19067 Engineering Tech**  
**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 10-12**  
**LENGTH: Full Year**

This course promotes interdisciplinary learning with emphasis on high interest projects that provide hands-on opportunities for students to learn engineering project management. Topics include use of technical equipment and instrumentation, kinematics acceleration, electrical circuits, work and energy, strength of structures and materials, programming, software 3D modeling, and other engineering technologies are covered. Students will learn to think critically about the design process, demonstrate the ability to organize and synthesize complex ideas, participate in cooperative planning, and learn the relationship between science, math, and engineering.

**COURSE TITLE: 30100G Business & Personal Finance**  
**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 9-12**  
**LENGTH: Full Year**

Students will be introduced to the world of business and personal finance and to career options within the industry sector. Students will explore foundations of economics, business operations, and financial planning and will gain knowledge and skills required for success in career and consumer domains. Units of instruction will introduce economic systems, global markets, entrepreneurship, management, business finance, and personal finance.

**COURSE TITLE: 30101G Business Management & Leadership**  
**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 9-12**  
**LENGTH: Full Year**

This course explores leadership styles and economics, personal finance and soft skills, while providing a background in business management and leadership. Students engage with their peers, business professionals, and their community to actively practice the 21st Century skills of Communication, Collaboration, Creativity, and Critical Thinking. They will learn the best ways to manage an organization in management skills including, but not limited to, classical, administrative and behavioral.

**COURSE TITLE: 20031G Business Marketing**

**Meets the UC/CSU entrance requirement: G- College Prep Elective**

**GRADE: 9-12**

**LENGTH: Full Year**

Students will receive instruction in advertising, communications, merchandise display, human relations, retail management, and economics. Salesmanship, the psychology of selling, and customer service will also be covered. Students will have an opportunity to earn extra credits while working at local retail stores.

*Courses may vary by grade level to accommodate student needs*

## OTHER (Non A-G)

**COURSE TITLE: 3990 ELD Beginning 1**  
**Meets the UC/CSU entrance requirement: No**

**GRADE: 9-12**  
**LENGTH: Full Year**

(Two classes) ELD Beginning/Intermediate focuses on speaking and listening skills for beginning and intermediate level English Language Learners. This course helps students develop basic interpersonal communication skills through quality interactive instruction and activities. The course introduces both communicative and academic vocabulary, covers language patterns, grammatical structure, and oral skills to help the student excel academically in American schools, college, and the workforce

**COURSE TITLE: 3993 ELD Beginning 2**  
**Meets the UC/CSU entrance requirement: No**

**GRADE: 9-12**  
**LENGTH: Full Year**

(Two classes) ELD Beginning/Intermediate focuses on speaking and listening skills for beginning and intermediate level English Language Learners. This course helps students develop basic interpersonal communication skills through quality interactive instruction and activities. The course introduces both communicative and academic vocabulary, covers language patterns, grammatical structure, and oral skills to help the student excel academically in American schools, college, and the workforce.

**COURSE TITLE: 4008 ELD Early Intermediate 1**  
**Meets the UC/CSU entrance requirement: No**

**GRADE: 9-12**  
**LENGTH: Full Year**

The Early Intermediate proficiency level is for recent immigrant English Language Learner students who will develop skills that are focused on the conventions of the English language across the domains of speaking, listening, reading, and writing as described in the California State Standards for English Language Development.

**COURSE TITLE: 4011 ELD Early Intermediate 2**  
**Meets the UC/CSU entrance requirement: No**

**GRADE: 9-12**  
**LENGTH: Full Year**

The Early Intermediate proficiency level is for recent immigrant English Language Learner students who will develop skills that are focused on the conventions of the English language across the domains of speaking, listening, reading, and writing as described in the California State Standards for English Language Development.

**COURSE TITLE: 6632 Marching Band PE**  
**Meets the UC/CSU entrance requirement: No**

**GRADE: 9-12**  
**LENGTH: Semester**

Marching Band provides students with a balanced comprehensive study of music. The semester consists mostly of marching activities. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: (1) tone production, (2) technical skills, (3) intonation, (4) music reading skills, (5) listening skills, (6) analyzing -music, and (7) studying historically significant styles of literature. Band repertoire is of the highest caliber. This course is designed to develop the marching skills necessary to play and march in a "Corps style" half time presentation at all home football games as well as in competitions, band reviews, parades and tournaments. Attendance at all rehearsals and performances is required.

*Courses may vary by grade level to accommodate student needs*



**COURSE TITLE: 6500 PE 9****Meets the UC/CSU entrance requirement: No****GRADE: 9****LENGTH: Full Year**

A required course for all 9th graders. An orientation and introduction to high school physical education. Activities will align with the State Standards and Framework, level 1 in the fall and level 2 in the spring. Level 1 Standards include aquatics, rhythms/dance, individual and dual activities, and fitness. Level 2 Standards include combative, gymnastic/tumbling, team activities and fitness. This course will include the State Fitness Gram in the spring. Students scoring below the State standards on 2 or more of the Fitness Gram tests will be required to enroll in a Physical Education Course in 10th grade.

**COURSE TITLE: 6512 PE10/12****Meets the UC/CSU entrance requirement: No****GRADE: 10-12****LENGTH: Full Year**

Activities may include aquatics, body conditioning, softball, aerobics, dance, soccer, archery, football, tennis, badminton, physical fitness testing, track & field, basketball, racquetball, volleyball and weight training. Each activity is a six-week unit. Classes for 10th, 11th, and 12th graders are elective and co-ed.

**COURSE TITLE: 6629 Cheer / Pep P.E.****Meets the UC/CSU entrance requirement: No****GRADE: 9-12****LENGTH: Full Year**

This course is designed to provide a cohesive unit for members of the Pep Squad. Song leaders, cheerleaders and mascots will learn rhythm and dance routines and cheerleading skills. All will develop floor stunts and gymnastic skills. Overall, physical conditioning is emphasized.

**COURSE TITLE: 6635 Dance P.E.****Meets the UC/CSU entrance requirement: No****GRADE: 9-12****LENGTH: Full Year**

This course is designed to provide students with an understanding of the principles and vocabulary of dance movements while increasing their flexibility, coordination, balance, strength, body control and cardiovascular endurance. This course will cover a wide variety of dance genres, which include: ballet, modern, jazz, hip-hop, swing and salsa. Other areas of study will include basic nutrition and healthy lifestyle; prevention and care of dance injuries; career opportunities in dance. Students will develop responsible personal and social behavior while participating in class and dance activities. In addition, students will be tested in the area of fitness every six weeks: sit-ups, pull-ups, mile run and sit & reach. This course is open to male and female students of all grade levels. This course may be repeated for credit.

## ATHLETIC PROGRAMS

Fall Athletics	Winter Athletics	Spring Athletics
Cross Country	Basketball (Boys/Girls)	Baseball
Girls Golf	Soccer (Boys/Girls)	Softball
Football	Girls Water Polo	Boys Golf
Girls Tennis	Coed Cheer	Swimming (Boys/Girls)
Girls Volleyball	Wrestling	Boys Tennis
Boys Water Polo		Track & Field (Boys/Girls)
Coed Cheer		Boys Volleyball
		Coed Cheer

