2023 - 2024

El Camino High School

Course Catalog

400 Rancho Del Oro Drive

Oceanside. CA 92057

760-901-8000

www.echs.oside.us

Updated October 13, 2023

TABLE OF CONTENTS

General Contact Information Page 3

School Site Council Page 3

Class Change Policy Page 4

Graduation/College Requirements Page 5

Program Descriptions Page 6

Course Selection Instructions Page 11

UC “a-g” List Page 13

Course Descriptions Page 14 - 47

- **A - History/Social Science**
- **B - English**
- **C - Mathematics**
- **D - Science**
- **E - World Language**
- **F - Visual/Performing Arts**
- **G - Electives**
- **CTE Electives**
- **English Language Development**
- **Physical Education**

California Colleges Page 49

Important Internet Sites Page 49

Playing Sports in College Page 51

College and Career Center Information Page 52

College Support Programs Page 53

SAT vs ACT Page 54

Sample Four-Year Academic Plans Page 56

ADMINISTRATION

Eileen Frazier	**Principal**
Alex Dwyer	**Assistant Principal**
Marie Higareda de Ochoa	**Assistant Principal**
Ariana Rodriguez	**Assistant Principal**
Kalina Shatto	**Assistant Principal**

COUNSELING TEAM

Students at El Camino High School are assigned a counselor based on their last name or a special program. Counselors can be reached via phone or email, and are available to assist students and parents with academic planning, including graduation requirements, college planning, and facilitating parent/teacher communication. Counseling assignments are subject to change.

Counselor	Alpha	Specialties	Phone	Email
Socorro Ruiz	A - Car	ELD I/II; Case Mgrs: Garrison, Lish	760-901-8034	socorro.ruiz@oside.us
Brad Simi	Cas - F	Case Mgrs: Crone, Keo	760-901-8033	brad.simi@oside.us
Sada Felix	G - Ji	Case Mgrs: Diekemper, Gibba, Holland, C. Rawlins	760-901-8042	sadako.felix@oside.us
Kathleen McCann	Jo - Mai; Vaz - Z	Case Mgrs: Dreisbach, Huertero; NCAA/NAIA	760-901-8041	kathleen.mccann@oside.us
Stephanie Bailey	Mal - Orte	Case Mgrs: Bates, Lavender, Vallete *Department Lead*	760-901-8037	stephanie.bailey@oside.us
Jennifer Ratliff	Orti - Sai	Case Mgrs: Barnes, Olson	760-901-8035	jennifer.ratliff@oside.us
Liz Hunter *Department Lead*	Sal-Ver	Case Mgrs: Lopez, Lyon, A. Rawlins	760-901-8036	ehunter@oside.us
Counseling Support Staff				
Maggie Duenas		Counseling Secretary	760-901-8031	magdalena.duenas@oside.us
Rosa Flanagan		Transcripts & Registration	760-901-8040	rosa.flanagan@oside.us
Jill Rizzuto		Transcripts & Registration	760-901-8093	jill.rizzuto@oside.us
Jennifer Pieri		College and Career Center	760-901-8051	echs.career@oside.us

ATHLETICS

Fall	**Winter**	**Spring**
Football	Basketball (Men/Women)	Baseball (Men)
Cross Country (Men/Women)	Soccer	Golf (Men)
Golf (Women)	Wrestling	Lacrosse (Men/Women)
Tennis (Women)	Water Polo (Women)	Softball (Women)
Volleyball (Women)	Cheerleading	Swimming (Men/Women)
Water Polo (Men)		Tennis (Men)
Cheerleading		Track (Men/Women)
		Volleyball (Men)
		Diving (Men/Women)
		Cheerleading

PERFORMING ARTS

Fall	**Winter**
Marching Band	Jazz Band/Drum Line
Pageantry	Pageantry
Wind Ensemble	Wind Ensemble
Concert Band	Concert Band
Orchestra	Orchestra
Choir/Show Choir	Choir/Show Choir
Drama	Drama
Dance	Dance

*The **El Camino High School Site Council** would like to welcome you to our Wildcat family. Please visit our location on the school's website for meeting dates, agendas and minutes. You will also be able to see our Parent Compact and Parent Involvement Policy that provides ideas on how to get involved in our school.*

Class Change Policy

Teacher/Period Change - Teacher/period change requests cannot be accommodated.

Elective Class Change - Students may request an elective class change before the start of the school year. Parent permission is required. The deadline to request an elective class change is the Thursday before the first day of school. Elective changes are dependent on space available.

Level Change - Students may request to change a class level with parent permission before the 20th day of the 1st and 2nd semester. Teachers may also recommend a placement level change during this time. Level changes are completed on a space available basis.

Once school begins, changes will only be made for the following reasons.

- The student has passed the class with C or better
- The student did not meet the requirements for enrollment in the class
- The student needs different courses to meet graduation requirements

Note: Any class change made after the 20th day of the semester may result in a "W/F" mark in the course.

EL CAMINO HIGH SCHOOL GRADUATION REQUIREMENTS

In order to graduate from El Camino High School, the following requirements must be met.

- 220 Credits in the specified categories noted below
- 1 semester = 5 credits

Subject Area	OUSD Requirements	NCAA Division 1 Requirements	CSU Entrance	UC Entrance
A- Social Science 30 credits	● World History ● US History ● Government & Economics	2 years	2 years	2 years
B - English 40 credits	● English 9 ● English 10 ● English 11 ● ERWC	4 years	4 years	4 years
C - Math 30 credits	● Including Math 1 or Algebra 1 ● 30 credits must be completed in grades 9-12	3 years (Math 1 or Alg 1 and higher)	3 years (thru Math 3)	3 years (4 recommended) **
D - Science 20 credits	● 1 yr Life Science ● 1 yr Physical Science ● (one year must include a lab)	2 years lab science (natural or physical)	2 years lab science	2 years lab science (3 recommended)
E - World Language 20 credits	● Must be the same language, with completion of year two or high in grades 9-12	N/A	2 years or equivalent	2 years or equivalent (3 recommended)
F - Arts 10 Credits	● Visual, Performing or Practical Arts	N/A	Visual or Performing Arts (1 year/ 1 course)	Visual or Performing Arts (1 year/ 1 course)
G - Electives 50 credits	● Ethnic Studies required for class of 2026 and beyond ● Must include one year-long college prep elective for all other classes	4 years (any of above core areas, World Lang or Religious Studies) + 1 yr additional Math, English or Science	1 year, from areas above, or other approved elective	1 year, from areas above, or other approved elective
Physical Education 20 credits	● Including Applied Fitness Concepts	N/A	N/A	N/A
Total Credits	220 Credits	16 Core Course Units	15 Core Course Units	15 Core Course Units

** For graduation purposes, a grade of “D” or higher is passing for credit.

** College entrance grades must be a “C” or higher.

** It is advisable that students take math during their senior year due to the competitive process for acceptance to UC schools.

*** 10 credits of Ethnic Studies required for graduating classes of 2026 & beyond

HONORS GRADUATION

Graduating with Honors is a prestigious distinction at El Camino High School. These select students meet the following rigorous standards:

- Four Advanced Placement(AP) or community college courses (numbered 100 or higher, including Dual Enrollment or Concurrent courses) with grades of C or higher(1 English,1 Math or Science and 2 others).
- A minimum of 50 verifiable hours of community service. Documentation of these hours must begin in the freshman year; hours are due by the end of the 7th semester. Please see the community service criteria and guidelines at https://www.oside.us/domain/717
- 9 – 12 Academic GPA of 3.5 or higher (not including PE or TA classes) at the end of the 7th semester.
- An autobiographical essay during the senior year or the PIQ responses from the UC application.

STATE SEAL OF BILITERACY:

Assembly Bill 815 established the State Seal of Biliteracy for eligible high school seniors in California's public schools. This law lists all criteria that a student must meet in order to demonstrate that they have attained a high level of proficiency in speaking, reading, and writing in English and one or more languages. For the 21-22 school year, these were the requirements: https:// www.cde.ca.gov/sp/el/er/sealofbiliteracy.asp

---

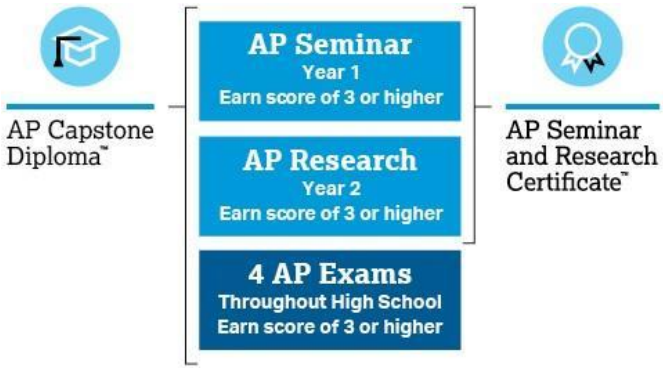
ADVANCED PLACEMENT (AP):

The Advanced Placement (AP) is a program in the United States and Canada created by the College Board offering college-level curriculum and examinations to high school students. American colleges often grant placement and course credit to students who obtain high scores above a certain number on the examinations. The AP curriculum for various subjects is created for the College Board by a panel of experts and college-level educators in each subject. For a high school course to have the AP designation, the course must be audited by the College Board to ascertain it satisfies AP curriculum. El Camino High School currently offers 21 different AP courses.

AP CAPSTONE DIPLOMA PROGRAM

AP Capstone™ is a diploma program based on two year long AP courses: AP Seminar and AP Research. These courses are designed to complement other AP courses that the AP Capstone student may take. Instead of teaching specific subject knowledge, AP Seminar and AP Research use an interdisciplinary approach to develop the critical thinking, research, collaboration, time management, and presentation skills students need for college-level work. The College Board developed the AP Capstone Diploma program at the request of higher education professionals, who saw a need for a systematic way for high school students to begin mastering these skills before college.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. 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™.



DUAL ENROLLMENT:
OUSD has partnered with Mira Costa Community College to offer college classes on the high school campus. Benefits offered to students include earning both high school and college credit and free books and tuition. Below are the courses that will be available in the 2023-2024 school year.

1st Semester	
Course #	**Title**
CRLP 101	Intro to Career Planning
FILM 101	Intro to Film
SOC 101	Intro to Sociology
BUS 120	Intro to Business
PSYC 100*	Psychology of Personal Growth
CHLD 106	Intro to Curriculum in Early Childhood
MATH 112*	Algebraic Concepts for Problem Solving
CS 101	Intro to Comp Science
DESN 109	Intro to Engineering & Design

2nd Semester	
Course #	**Title**
COUN 100	College and Career Success
COMM 101	Public Speaking
SOC 207	Race and Ethnic Relations
ACCT 101	Practical Accounting
PSYC 104* (math req)	Statistics for Behavioral Science
CHLD 113*	Child and Adolescent Growth and Development
MATH 126+131 8WK	Pre-Calc I + Pre-Calc II
CSIT 180	Fundamentals of Computer Hardware and Software
BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry
CHEM140*	Prep for General Chem: for Science Majors

COLLEGE & CAREER CENTER
The ECHS Wildcat College & Career Center is an area where students can apply for scholarships, visit with college/university representatives, research colleges and careers, and find job leads. Computers with internet connections are available to students for college and career explorations, and scholarship searches.

The Wildcat College & Career Center and ECHS School Counselors utilize ***CaliforniaColleges.edu***, a web-based tool that allows students to assess their own interests and skills, and provides information concerning potential careers and vocations. One advantage of ***CaliforniaColleges.edu*** is that students can process their applications to the CSU, UC, community colleges, and many private colleges and universities through their personal account as well as necessary documentation.

The College & Career Center is responsible for organizing the annual North County Coastal College Fair in October, Senior Awards Night in June, coordinating ASVAB testing, college and career field trips, and ongoing scholarship applications.

ASVAB TESTING
The ASVAB (Armed Services Vocational Aptitude Battery) is a skills assessment test used by all branches of the military to place new enlistees in job training programs. Given the highly technical nature of the

military today, academic knowledge and practical experience are measured to ensure a high probability of success in the courses assigned. The ASVAB is also a very useful tool for the non-military bound student as it provides detailed information to the student regarding interests and aptitudes that can help determine career fields or occupations that are potentially satisfying. Tests are offered to all 10th, 11th, and 12th graders in the fall and spring.

SCHOLARSHIPS AND FINANCIAL AID

Nearly all education beyond high school requires direct payment from students and their families. Tuition and fees are basic charges at almost all schools. If you plan to live away from home, you'll pay for room and board, books and other classroom materials.

Forms of Financial Aid:

- Scholarships: Awarded as a gift based on superior ability in academic work, athletics or other activities. Scholarships do not have to be repaid.
- Grants: Awarded primarily based on financial need, which is based on parent and student income and assets. Like scholarships, grants do not need to be repaid.
- Loans: Educational loans are guaranteed by the government and are generally made to the student. Repayment of the loan is the student's responsibility. Interest and payment for student loans does not generally start until six months after leaving school or graduating. Loans to parents are also available.

CALIFORNIA STATE UNIVERSITY SYSTEM

The CSU System consists of 23 campuses throughout California. Bachelors and Master's Degree programs school year.are offered in a wide variety of majors. The campuses vary from small (approximately 5000 students) to very large (35,000 students) and from rural to urban. All CSU campuses require a minimum GPA of 2.0 for admission.

REQUIRED ADMISSIONS TESTS: The SAT or ACT are **no longer required** for admissions. Scores may, however, be used for placement after admission.

COST: Tuition for the 2022-2023 school year was $5,742 for all CSU's; the cost of books and supplies average about $2,000 per year, and room and board in on-campus housing is approximately $13,000. These costs vary by location.

APPLICATION PROCESS: Applications are available on-line at www.CSUmentor.edu Applications must be submitted between October 1st - November 30th. Application fees for 2023-2024 were $70 per campus.

UNIVERSITY OF CALIFORNIA

The UC system currently has nine campuses that will accept freshman applications. Students should contact their counselors for details regarding Eligibility in the Local Context (ELC). Otherwise, UC's require a minimum GPA of 3.0 based on academic (A-G) coursework completed during grades 9-12.

REQUIRED ADMISSIONS TESTS: The SAT or ACT are **no longer required** for admissions. Scores may, however, be used for placement after admission.

COST: Tuition and fees for the 2022-2023 school year are estimated at $13,752; cost of books and supplies average about $1,200 per year and the cost of room and board in on-campus housing is approximately $16,500.

APPLICATION PROCESS: Applications are available on-line at www.universityofcalifornia.edu/apply. Applications must be submitted between November 1st - November 30th. Fees for the 2022-2023 application were $70 per campus. The UC application requires a personal statement by the student.

PRIVATE COLLEGES AND UNIVERSITIES & OUT-OF-STATE PUBLIC UNIVERSITIES

There are more than 1600 accredited colleges and universities in the United States offering hundreds of different majors. Students interested in attending a private/out-of-state college or university will need to investigate specific application and eligibility requirements - including deadlines, test score requirements, fees, and supplementary documentation. Many schools use the Common Application, which can be completed through www.commonapp.org. Additional information can be found in the College & Career Center or in the Counseling Office.

MILITARY ACADEMIES

The US Naval Academy, West Point, Air Force Academy, Coast Guard Academy and Maritime Academy are prestigious institutions noted for small classes and close contact with professors. Their common mission is to prepare officers to serve in the highly technical armed services of today and the future. Academy nominations are required in order to be considered for appointment and must be obtained from the President, the Vice President, your US Senator, or House Representative. In some cases, the applicant may be found to not have the academic background necessary for collegiate success and may be offered an appointment to a preparatory school, such as the Naval Academy Preparatory School. (CSU Maritime Academy is another excellent alternative.)

COMMUNITY COLLEGES

There are 113 community colleges in the state of California. Any resident in the state is eligible for admission to any community college if he/she is a high school graduate or is 18 years of age or older. High school students can also enroll concurrently in community college classes with approval at no cost per unit. See counselor for more info.

Community Colleges have the following purposes:

- To offer coursework comparable to the freshman and sophomore years at a four-year college. Students may transfer from the community college to a four-year college after two years.
- To provide occupational coursework that prepares students for more than 200 different occupations. Many pre- apprentice courses are offered.
- To offer courses that will allow students to make up high school deficiencies.
- To offer studies that are personally enriching.

COSTS: Enrollment fees for the 2022-2023 school year were $46 per unit, per semester. A full-time college student is typically enrolled in 12-16 units. The cost of books is approximately $825 per semester. Students who graduate from OUSD and complete the FAFSA can qualify for the MiraCosta Promise, receiving their first two years of tuition free at MiraCosta.

How to Apply: Students may apply for admission on-line through specific college websites, or via www.cccapply.org.

VOCATIONAL, TECHNICAL AND MILITARY SCHOOLS

There are literally thousands of vocational and technical schools that teach a variety of skills leading to a variety of careers. Admission requirements for these schools vary, and tuition ranges from $500 to $10,000, depending on the type and length of the program. Search on www.californiacolleges.edu or stop by the College & Career Center for more information.

El CAMINO HIGH SCHOOL GRADING SCALE

To determine the Grade Point Average (G.P.A.): Add the point value of each grade then divide by the total number of classes/grades.

Grading Points for Regular Classes

A = 4 points
B = 3 points
C = 2 points
D = 1 points
F = 0 points

Grading Points for Advanced Placement (AP) Classes

A = 5 points
B = 4 points
C = 3 points
D = 1 points
F = 0 points

CTE - Career Technical Education

What is a CTE pathway?
A CTE pathway is a sequence of two or more CTE courses within a student's area of career interest. Pathways are designed to connect high school classes to college, industry certifications, and/or a career.

Why should students participate in a CTE pathway?
While in high school, students have the opportunity to acquire free technical skills training in the career field in which he/she is interested. Students will learn valuable technical skills and soft skills making them employable, regardless of the field of study in which they actually end up.

Are any CTE classes in pathways articulated with local community colleges?
Yes! Many CTE courses are articulated with Palomar and Mira Costa colleges. At the beginning of each school year, CTE teachers work with CTE transition coordinators from Palomar and Mira Costa to begin or renew their course articulation agreements.

How do CTE courses prepare students for college and career?
All CTE courses support the Common Core and CTE Model Curriculum Standards (MCS). Learning rigorous academic skills, especially in English Language Arts and Mathematics are an integral part of each CTE course outline and competencies. These skills help our students put English Language Arts and Mathematics to work in a real world, hands-on environment to which they can relate. The CTE MCS are designed to assist school districts in developing high quality curriculum and instruction to prepare students for future careers. The MCS were created with assistance from more than 300 representatives from business, industry, postsecondary and secondary education and reviewed by nearly 1000 members of the public. These standards are rigorous, evidence-based, relevant and reasonable in scope. http://www.cde.ca.gov/ci/ct/sf/mcsbriefpaper.asp

Career technical education is critical to meeting the state's workforce needs.
If current trends continue, roughly one-third of new jobs in California will require some training beyond high school but less than a four-year degree. Career technical education (CTE), also known as vocational training, connects students to these career opportunities by providing industry-based skills. In addition to improving career options in the short term, CTE can provide pathways to higher education; for example, more than half of the CTE courses offered at ECHS meet one or more of the admission requirements for California's public four-year universities.

What are the CTE areas of study or industry sectors?

Agriculture & Natural Resources	Arts, Media & Entertainment	Building & Construction Trades	Business and Finance	Education, Child Development & Family Services
Energy, Environment & Utilities	Engineering & Architecture	Fashion & Interior Design	Health Science & Medical Technology	Hospitality, Tourism & Recreation
Information & Communication Technologies	Manufacturing and Product Development	Marketing, Sales & Service	Public Services	Transportation

COURSE SELECTION PROCESS

Choose your classes wisely! Once school begins, students will only be allowed to change a class for the reasons indicated on page 4.

STEPS FOR STUDENTS	NOTES TO PARENTS REGARDING CORE CURRICULUM AND STUDENT SUCCESS
· Read the course descriptions carefully before making any selections. The school's master schedule and teacher assignments are made based on student course requests. · Required courses for the ECHS diploma are listed on page 4. Study them carefully. · Prerequisites and grade levels are listed for each course. Please make sure that you meet specific guidelines. · Review your course choices with your parents. Student and parent signatures are ***REQUIRED*** on the course selection form. · Develop a four-year plan to ensure that you are meeting graduation requirements and planning for your post high school goals. Samples are provided in the back of this catalog.	El Camino High School and the Oceanside Unified School District have a core curriculum that all students must complete to graduate (pg. 4). As competition for colleges and jobs is increasing rapidly, support services are available to all students to assist in their success at ECHS. We urge our parents to: · Stress the importance of education and a marketable skill. · Stress the importance of daily attendance at school. · Encourage your student to read. · Discuss each six-week progress report and each semester report card with your student. · Assist your student in selecting appropriate courses for next year's schedule. · Monitor your student's progress daily on Aeries.

El Camino High School reserves the right to change course offerings from those listed here. For that reason, please make certain that you list alternate selections on the course selection form.

AERIES STUDENT/PARENT PORTAL
Students and parents are encouraged to check progress daily on this internet-based website. You can monitor grades and assignments from home or any location with internet access. Course selection and registration for the 2023/24 school year will require a student portal. See page 10 for instructions.

Go to https://oside.asp.aeries.net/student or follow the link from the ECHS homepage, www.oside.us to create an account. To get started you will need your ECHS student ID number, verification code and a valid email address.

The local educational agency (LEA) adopted a policy that prohibits discrimination, harassment, intimidation, and bullying based on actual or perceived ancestry, age, color, disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sex, sexual orientation, or association with a person or a group with one or more of these actual or perceived characteristics.

Instructions to Register for Aeries Portal account

Student Name:

ID number:

Home phone number:

Verification code:

You cannot create an account without these items.
This information must be supplied by your child's school

If the phone number appearing on this form has changed and been updated in the school office, you will need to use the new telephone number.

Registering for an Aeries Portal Account

1. Log into: **https://oside.asp.aeries.net/student/**
2. Select "Create New Account"
3. Click the button to indicate whether you are a parent or a student
4. Enter email twice and enter password of your choice twice, click next.
5. This will generate an email from Do_Not_Reply_Portal@oside.us to your personal email account.
6. On your personal email account, open the verification email and get the "email code" **OR** click on "Confirm this mail address" link (if you confirm the email address, you will not need to enter the email code.)

Adding a student to an Aeries Portal Account

1. Log into your Parent Portal account
2. On the Home screen, click on "Change Student"
3. Select "Add New Student to Your Account"
4. Enter the student ID, home telephone number and verification code (This information can be obtained from your students school)
5. Select your name or click "none of the above"

Click add another student if you have more than one student

Parent Portal support

Telephone: 760-966-4408

OCEANSIDE
UNIFIED • SCHOOL • DISTRICT

EL CAMINO HIGH SCHOOL
2022-2023 University of California Approved a - g Courses
See the latest updates at https://hs-articulation.ucop.edu

A - History/Social Science (2 years required)

World History
US History
Government
AP World History
AP US History
AP Government

B - English (4 years required)

English 9
English 10
English 11
ERWC
AP English Language & Composition
AP English Literature & Composition

C - Mathematics (3 years required, 4 recommended)

Algebra I
HS Math I
HS Math II
HS Math II+
HS Math III
HS Math III+
Financial Algebra
Data Science
Math Analysis
AP Statistics
AP Calculus AB
AP Calculus BC
AP Computer Science

D - Laboratory Science (2 years required, 3 recommended)

Biology NGSS
Physics
Chemistry
Biotechnology
Earth/Space Science
Oceanography
Anatomy & Physiology
AP Computer Principles
AP Environmental Science
AP Biology
AP Physics
AP Chemistry

E - World Language (2 years required, 3 years recommended)

American Sign Language I
American Sign Language II
Franch I
French II
French III
French IV
AP French Language
Spanish for Spanish Speakers I
Spanish for Spanish Speakers II
Spanish I
Spanish II
Spanish III
Spanish IV
AP Spanish Language
AP Spanish Literature

F - Visual and Performing Arts (1 year required)

3D Design & Sculpture
Advanced Drama
Advanced String Orchestra
AP Studio Art: 2D
AP Studio Art: 3D
AP Studio Art:Drawing
Art I
Art II
Broadcast Journalism
Chamber Singers
Chorus
Concert Band
Dance II
Dance III
Fine Woodworking I
Fine Woodworking II
History of Rock and Roll Intro to Graphic Design
Intro to Theater Arts (Drama)
Jazz Ensemble
Musical Theater
Orchestra
Percussion Ensemble
Photography
TV, Film and Digital Media
Web Design
Wind Ensemble

G - College Preparatory Electives (1 year required)

21st Century Entrepreneurial
AP Psychology
AP Seminar
AP Research
AVID
Economics
Ethnic Studies
Psychology A/B
Publications
ROTC 10, 11, and 12

Underlined courses will receive weighted grade points (A=5, B=4, C=3)

**** EL CAMINO HIGH SCHOOL COURSE DESCRIPTIONS ****

Detailed descriptions of each course are available through the OUSD website:
https://www.oside.us/Page/1402

****A - HISTORY/SOCIAL SCIENCE****

A minimum of three years (30 credits) of Social Science is required for high school graduation. All students must take World History (one year), U.S. History (one year), Government (one semester) and Economics (one semester).

WORLD HISTORY

Course #: 1091101	**9-12**
Prerequisite:	**None**
Credit for Graduation:	**SOCIAL SCIENCE**
A-G Approval/Subject Area:	**YES/A**
NCAA Approved:	**YES**

This course teaches the chronological knowledge of World History, including the geographical and cultural influences. Themes include political change, economic development, the growth of science and technology, the effect of contact between cultures, and creativity in the arts. Skill emphasis will include reading, analysis, speaking, note taking, writing and research. This course will help you develop and refine critical thinking and writing skills necessary in all academic courses.

AP WORLD HISTORY

Course #: 109501	**10-12**
Prerequisite:	**None**
Credit for Graduation:	**ELECTIVE**
A-G Approval/Subject Area:	**YES/A**
NCAA Approved:	**YES**

Advanced Placement World History is a college-level course designed to help students develop a greater understanding of the evolution of global processes and contacts as well as interactions between different types of human society. Students study events occurring after 8000 BCE.

U.S. HISTORY

Course #: 109201	**11-12**
Prerequisite:	**None**
Credit for Graduation:	**SOCIAL SCIENCE**
A-G Approval/Subject Area:	**YES/A**
NCAA Approved:	**YES**

This course is an analysis of the history of the United States from colonial times to the present, with emphasis on inquiry and analytical skills. The focus of this course is the study of the historical development of American ideas and institutions from the Age of Exploration to the present. You will learn fundamental concepts in civics, economics, and geography. You will obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in United States

AP U.S. HISTORY

Course #: 109503	**11-12**
Prerequisite:	**None**
Credit for Graduation:	**SOCIAL SCIENCE**
Meets A-G Approval/Subject Area:	**YES/A**
NCAA Approved:	**YES**

This course teaches the analytical skills and factual knowledge necessary to deal critically with problems in U. S. History. You will learn how to assess historical materials and to weigh the evidence and interpretations

presented as well as to present reasons and evidence clearly and persuasively in essay format. Thereby, you will be perfecting essay writing and critical thinking skills both necessary for success in college, as well as potentially earning college credit and a weighted grade. The course demands dedicated homework completion and a strong desire to succeed. It prepares students for the national AP examination.

GOVERNMENT / ECONOMICS

Course #: 109301 / 109302	**12**
Prerequisite:	**None**
Credit for Graduation:	**SOCIAL SCIENCE**
A-G Approval/Subject Area:	**Government YES/A ; Economics YES/G**
NCAA Approved:	**YES**

Government is a survey of the U.S. Government Structure, systems and political processes focusing on constitutional structures and foundations. The purpose of this course is to help you become an informed and active citizen. The purpose of Economics is to aid you in understanding the basic principles of our economic system and that of other countries. In addition, the goal is to enable you to gain knowledge of economic principles for use in your everyday lives. Specific units are production, supply and demand, stock market money, credit, banking, personal income, the government and its economy, and major economic problems.

AP U.S. GOVERNMENT

Course #: 109507	**12**
Prerequisite:	**U.S. History**
Credit for Graduation:	**SOCIAL SCIENCE**
A-G Approval/Subject Area:	**YES/A**
NCAA Approved:	**YES**

This course is a critical analysis of politics, government and economics in the United States. This course demands dedicated homework completion and a strong desire to succeed. It prepares students for the AP examination.

**** B - ENGLISH ****

A minimum of four years (40 credits) of English is required for high school graduation. The University of California and the California State University require that four years of University-approved courses be taken for admittance.

ENGLISH 9

Course #: 209101	**9**
Prerequisite:	**None**
Credit for Graduation:	**ENGLISH**
A-G Approval/Subject Area:	**YES/B**
NCAA Approved:	**YES**

English 9 is a yearlong course designed to involve students in the study and practice of language, literature, writing, listening, and speaking. Students will build upon and improve skills learned in their middle school language arts courses and will work toward becoming better communicators on a variety of levels. Students will also prepare for the California High School Exit Exam (CAHSEE) and other assessment situations they will face throughout their education including Common Core summative exams and the SAT.

ENGLISH 10

Course #: 209201	**10**
Prerequisite:	**None**
Credit for Graduation:	**ENGLISH**

A-G Approval/Subject Area: **YES/B**
NCAA Approved: **YES**

English 10 is a yearlong course designed to involve students in the study and practice of language, literature, writing, listening and speaking. Students will build upon and improve skills learned in English 9 and will work toward becoming better communicators on a variety of levels. Students will also prepare for a variety of assessments they will face throughout their education including Common Core summative exams and the SAT.

ENGLISH 11
Course #: 209301 **11**
Prerequisite: **None**
Credit for Graduation: **ENGLISH**
A-G Approval/Subject Area: **YES/B**
NCAA Approved: **YES**

This course is a chronological and thematic study of American Literature from Native American to contemporary times. Students will study representative works from each major literary period in relation to corresponding social and political issues. Elements of the humanities are included to provide further insight to each era. This course also includes components of vocabulary, the writing process and research skills, and is aligned with the California Language Arts Framework.

AP ENGLISH LANGUAGE & COMPOSITION
Course #: 209501 **11**
Prerequisite: **C or higher in English recommended**
Credit for Graduation: **ENGLISH**
A-G Approval/Subject Area: **YES/B**
NCAA Approved: **YES**

This course is designed for eleventh grade students who wish to prepare for the AP examination. The course will help students to become skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts, and to become skilled writers who can compose for a variety of purposes. Through close reading and stylistic analysis, students will examine and write about difficult and challenging works of literature normally studied in a college freshman English course.

EXPOSITORY READING AND WRITING/ERWC
Course #: 209401 **12**
Prerequisite: **None**
Credit for Graduation: **ENGLISH**
A-G Approval/Subject Area: **YES/B**
NCAA Approved: **YES**

This course was developed by the California State University in order to prepare college-bound seniors for the literacy demands of higher education. Through a sequence of instructional modules, students in a yearlong, rhetoric-based course develop advanced proficiencies in expository, analytical, and argumentative reading and writing. Upon completion of the course, students will have increased their awareness of the rhetorical strategies employed by authors and will be able to apply those strategies in their own writing.

AP ENGLISH LITERATURE & COMPOSITION
Course #: 209503 **12**
Prerequisite: **C or higher in AP English Lang/Comp recommended**
Credit for Graduation: **ENGLISH**

Meets A-G Approval/Subject Area: **YES/B**
NCAA Approved: **YES**

This course is designed to prepare students for the AP English Literature and Composition Exam. The course offers an intense study of the political and philosophical nature of English and World Literature. Included throughout is an emphasis on development of self-discipline, initiative, and good work habits, as well as knowledge of subject matter and interest in achievement. Students employ strategies of close reading and stylistic analysis, while examining difficult and challenging works of literature normally studied in a college freshman English course. This class is also aligned with the California English Language Arts Content Standards.

**** C - MATHEMATICS ****

A minimum of three years of mathematics is required for graduation from high school. For students planning to attend a four-year college or university, Algebra I, Geometry, and Algebra II or HS Math I, II and III are required. For students planning to attend the University of California, four years of mathematics are recommended. Most private institutions have the same requirements. Four years of mathematics is highly recommended for college-bound students, especially those entering such technical fields as engineering, medicine, and the sciences.

ALGEBRA I

Course #: 309141 **9-12**
Prerequisite: **Math 8**
Credit for Graduation: **MATH**
A-G Approval/Subject Area: **YES/C**
NCAA Approved: **pending**

The Algebra 1 course is the first course in the high school sequence aligned with the Common Core State Standards for Mathematics (CCSS-M). The purpose of this course is to provide opportunities for students to gain fluency with linear, quadratic and exponential functions. Students will engage in contrasting linear, quadratic and exponential functions, in addition to analyzing, solving and using these functions to model real-world situations. Throughout the course, students will gain understanding and use the formal definition of functions and their notation, and will use them to interpret and build functions. Students will also discover the analogous nature of polynomials with integers, and will begin their study of statistics, focusing on interpreting categorical and quantitative data. In addition to the CCSS-M standards content standards for Algebra 1, students will experience and gain fluency with the eight Standards for Mathematical Practice.

HIGH SCHOOL MATHEMATICS I

Course #: 309101 **9-12**
Prerequisite: **Common Core Math 8**
Credit for Graduation: **MATH**
A-G Approval/Subject Area: **YES/C**
NCAA Approved: **YES**

The fundamental purpose of the High School Mathematics I course is to formalize and extend the mathematics that students learned in the middle grades. This course includes Common Core standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. Instructional time will focus on six critical areas: (1) extend understanding of numerical manipulation to algebraic manipulation; (2) synthesize understanding of function; (3) deepen and extend understanding of linear relationships; (4) apply linear models to data that exhibit a linear trend; (5) establish criteria for congruence based on rigid motions; and (6) apply the Pythagorean Theorem to the coordinate plane. Student engagement with course content will develop skills required for all eight of the Common Core Standards of Math Practice.

HIGH SCHOOL MATHEMATICS II

Course #: 309201 **9-12**
Prerequisite: **High School Math I**

Credit for Graduation: **MATH**
A-G Approval/Subject Area: **YES/C**
NCAA Approved: **YES**

The focus of the High School Mathematics II course is on quadratic expressions, equations, and functions: comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics I. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. For the Mathematics II course, instructional time should focus on five critical areas: (1) extend the laws of exponents to rational exponents; (2) compare key characteristics of quadratic functions with those of linear and exponential functions; (3) create and solve equations and inequalities involving linear, exponential, and quadratic expressions; (4) extend work with probability; and (5) establish criteria for similarity of triangles based on dilations and proportional reasoning. Student engagement with course content will develop skills required for all 8 of the Common Core Standards of Math Practice.

HIGH SCHOOL MATHEMATICS II+
Course #: 309221 **9-12**
Prerequisite: **High School Math I**
Credit for Graduation: **MATH**
A-G Approval/Subject Area: **YES/C**
NCAA Approved: **YES**

Students will meet the goals of High School Mathematics II as well as work beyond the grade level in order to prepare for AP Calculus in senior year. Math II Pre-AP is the first class in a two-course series that consolidates three years of math content (Math II, Math III, and Math Analysis) into two years. Students will be engaged at a more rigorous pace and an in- depth treatment of math II. Topics to be studied more in depth include conic sections, permutations and combinations, unit circle and trigonometry, and complex numbers. Math II Pre-AP course is designed to meet the needs of all learners who endeavor to enroll in Advanced Placement courses at El Camino. Access is not limited, but it is recommended that students enrolling have had A or B's in Math in past years.

HIGH SCHOOL MATHEMATICS III
Course #: 309301 **9-12**
Prerequisite: **HS Math II**
Credit for Graduation: **MATH**
A-G Approval/Subject Area: **YES/C**
NCAA Approved: **YES**

It is in the Mathematics III course that students integrate and apply the mathematics they have learned from their earlier courses. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and Probability. For the Mathematics III course, instructional time should focus on four critical areas: (1) apply methods from probability and statistics to draw inferences and conclusions from data; (2) expand understanding of functions to include polynomial, rational, radical, and logarithmic functions; (3) expand right triangle trigonometry to include general triangles; and (4) consolidate functions and geometry to create models and solve contextual problems. Student engagement with course content will develop skills required for all eight of the Common Core Standards of Math Practice.

HIGH SCHOOL MATHEMATICS III+
Course #: 309321 **9-12**
Prerequisite: **Math II+**
Credit for Graduation: **MATH**
A-G Approval/Subject Area: **YES/C**
NCAA Approved: **YES**

Students will meet the goals of High School Mathematics III as well as work beyond the grade level in order to prepare for AP Calculus in senior year. Math III+ is the second class in a two-course series that consolidates 3 years of math content (Math II, Math III, and Math Analysis) into two years. Students will extend their learning

to include Common Core Standards of Math designated for Advanced Placement Calculus readiness beyond the comprehensive college preparatory standards for all students. Topics to be studied more in depth include vectors, continuous growth, natural logarithms, trigonometric identities, graphs of inverse trigonometric functions, parametric curves, polar coordinates, limits, and derivatives. Math III+ course is designed to meet the needs of all learners who endeavor to enroll in Advanced Placement courses at El Camino. Access is not limited, but it is highly recommended that students enrolling have taken Math II+ with a C or better.

MATH ANALYSIS

Course #: 309401	**9-12**
Prerequisite:	**C or higher in Algebra II or Math III**
Credit for Graduation:	**MATH**
A-G Approval/Subject Area:	**YES/C**
NCAA Approved:	**YES**

This course is designed to continue the study of mathematics concepts covered in Math III or Algebra II and prepare students for the study of calculus. Topics covered include the family of functions (e.g., polynomial, rational, exponential, logarithmic, and trigonometric); limits; derivatives; vectors; matrices; sequences; and series. This course is highly recommended for students planning to meet A-G eligibility for UC/CSU.

AP CALCULUS AB

Course #: 309501	**9-12**
Prerequisite:	**C or higher in Math 3+ or Math An.**
Credit for Graduation:	**MATH**
A-G Approval/Subject Area:	**YES/C**
NCAA Approved:	**YES**

This course covers differential and integral calculus topics that are typically included in an introductory college level Calculus course. This class helps to prepare students for the AP Calculus-AB Exam. Topics include the limit process, properties of functions and their derivatives vs. anti-differentiation. In addition, applications and concepts from physics are applied along with the analysis of moving objects.

AP CALCULUS BC

Course #: 309503	**9-12**
Prerequisite:	**C or higher in Calc AB or teacher rec**
Credit for Graduation:	**MATH**
A-G Approval/Subject Area:	**YES/C**
NCAA Approved:	**YES**

This course covers differential and integral calculus topics that are typically included in the second college level Calculus course. This class helps to prepare students for the AP Calculus-BC Exam. In addition to expanding on topics covered in AP Calculus AB, students will study parametric, polar, and vector functions, polynomial approximations, and infinite series.

AP STATISTICS

Course #: 309505	**9-12**
Prerequisite:	**C or higher in Math 3 or higher**
Credit for Graduation:	**MATH**
A-G Approval/Subject Area:	**YES/C**
NCAA Approved:	**YES**

The purpose of the AP course in statistics is to introduce students to major concepts and tools used for collecting, analyzing, and drawing conclusions from data. Students will explore statistics through discussions, activities, and technology. Students will also design surveys and experiments. There are four themes evident in the content, skills, and assessment in the AP Statistics course: (i) selecting methods for collecting or analyzing data, (ii) describing patterns, trends, associations, and relationships in data, (iii) using probability and simulation to describe probability distributions and define uncertainty in statistical inference, and (iv) using statistical reasoning to draw appropriate conclusions and justify claims.

FINANCIAL ALGEBRA

Course #: 309021 **11-12**
Prerequisite: **Completion of HS Math I and II**
Credit for Graduation: **MATH**
A-G Approval/Subject Area: **YES**
NCAA Approved: **YES**
This course provides an additional option for a third or fourth year of math. Advanced Algebra with Financial Applications offers 11th and 12th grade students an opportunity to view the world of finance through a mathematical lens. It also helps students following career pathways to increase career and technical math skills necessary for the 21st century workplace. Note: Financial Algebra is approved as a 3rd year math class for University of California and California State University systems. Any students who are applying to private or out of state colleges or universities must confirm with those institutions if they will accept Financial Algebra as a 3rd year math class.

BUSINESS MATHEMATICS
Course #: 309403 **12**
Prerequisite: **Completion of Math II and/or Teacher Rec**
Credit for Graduation: **MATH**
A-G Approval/Subject Area: **NO**
NCAA Approved: **NO**
Articulated with: **(MiraCosta College ACCT 158)**
This is a two-semester course designed to assist the students in applying mathematics effectively in their consumer and business roles. Besides fundamental mathematics, topics covered during the first semester include income, benefits, payroll, borrowing and investing. Consumer purchases and business management are covered during the second semester. **NOTE: This is not a college preparatory math course**

HIGH SCHOOL MATH SUPPORT
Course #: 989223 **9-11**
Prerequisite: **None**
Credit for Graduation: **Elective**
Meets A-G Approval/Subject Area: **NO**
NCAA Approved: **NO**
Math Support is a program of tutorials, math skills review and study habits designed to help students achieve success in a concurrent a-g mathematics course. This course is designed for students who need additional support to complete assignments in HS Math II. This class will support students as they acquire new math skills necessary for promotion. This class provides academic instruction and other support needed to prepare students to successfully meet OUSD graduation math requirements. **NOTE: This is not a college preparatory math course**

AP COMPUTER SCIENCE A (2nd course in Software Systems Development pathway)
Course #: 709501 **10-12**
Prerequisite: **None**
Credit for Graduation: **MATH/College Prep Elective**
A-G Approval/Subject Area: **YES/C or G**
Articulated with: **MiraCosta / CS 101**
NCAA Approved: **YES**
AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies,organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities. Students who pass this class with an A or B will earn college credits

from MiraCosta in CS 111.

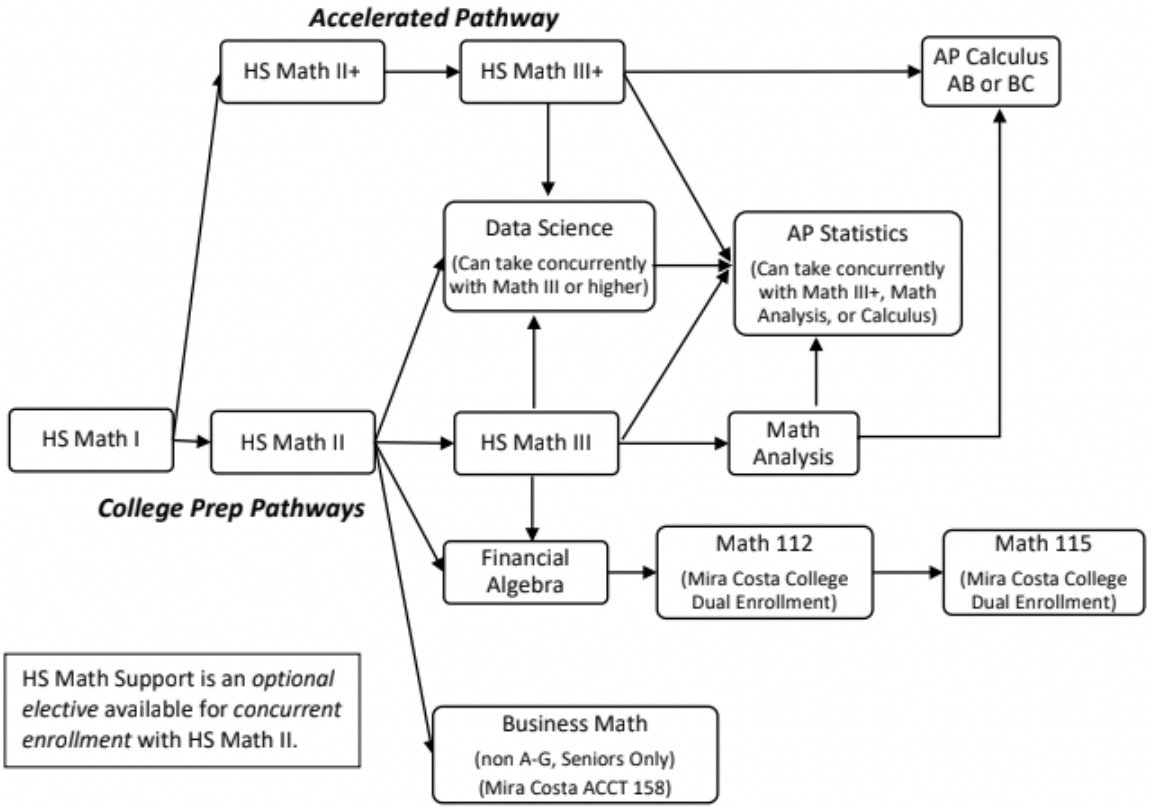
DATA SCIENCE

Course #: 309331	**11-12**
Prerequisite:	**C or higher in Math II**
Credit for Graduation:	**Math**
A-G Approval/Subject Area:	**YES/C**
NCAA Approved:	**YES**

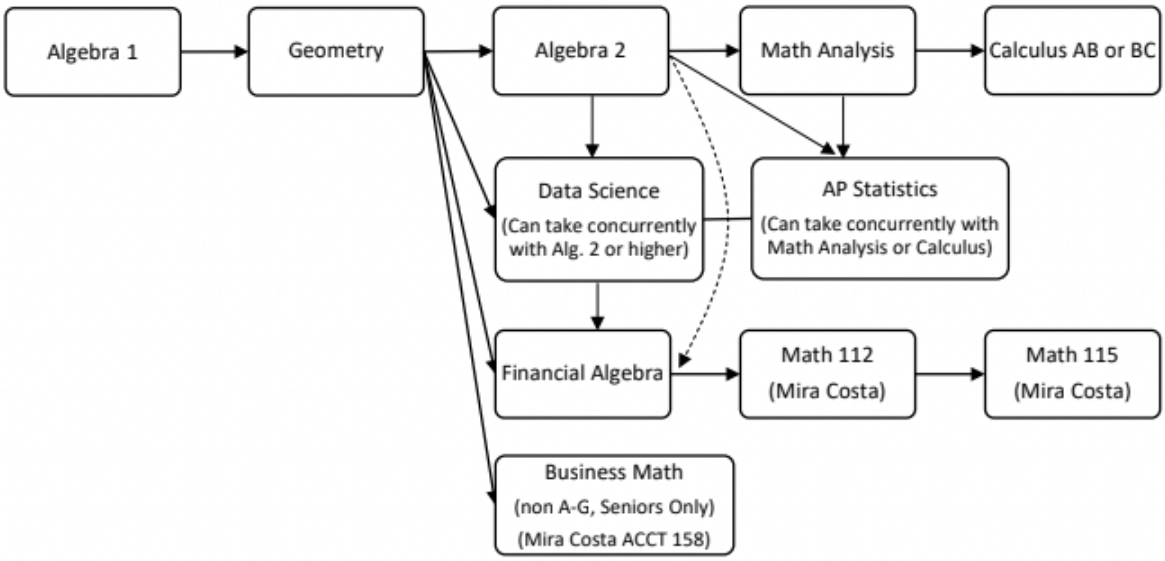
In this course, students will learn to understand, ask questions of, and represent data through project-based units. The units will give students opportunities to be data explorers through active engagement, developing their understanding of data analysis, sampling, correlation/causation, bias and uncertainty, modeling with data, making and evaluating data-based arguments, and the importance of data in society. This course is dependent upon the use and application of a variety of technologies (web-based platforms and code programming). The appropriate and strategic use of these tools will be used to analyze data, create visuals and code programming for larger real-world data sets. It is recommended that students have above average writing skills. Can be taken concurrently with Math III or higher math courses.

2023-2024 Math Sequence

Integrated Math Sequence



Traditional Course Sequence (Algebra I – Geometry - Algebra II)



**** D - SCIENCE ****

A minimum of two years of lab science (one life science and one physical science) are required for graduation from high school. Students planning on admission to the UC system or those interested in pursuing science in college are strongly recommended to go beyond the minimum requirements. We recommend taking at a minimum, Biology, Chemistry and Physics to be competitive in the college application process. The science department is pleased to offer four Advanced Placement courses (Biology, Chemistry, Physics, and Environmental Science) as well as Anatomy/Physiology and Marine Biology for students who have completed the minimum requirements. Because of the popularity of some of our elective classes, the number of students who sign up to take the courses sometimes exceeds the number of seats available. In that case, we must have an open and fair way to determine who gets into the class. Seniors will have first priority since it will be their last chance to take that particular elective. If the class is still full, those students (including seniors) who have taken accelerated classes the prior year will get priority. We encourage all students to challenge themselves and take accelerated courses.

*Students are encouraged to talk with their counselor and consult teachers within the science department to determine the best course for them. *

BIOLOGY (NGSS)

Course #: 409131	**9-12**
Prerequisite:	**None**
Credit for Graduation:	**LIFE SCIENCE**
A-G Approval/Subject Area:	**YES/D**
NCAA Approved:	**YES**

Biology (NGSS) is a concept-oriented, investigative approach to science for the college-preparatory student. This course is organized into units on cell biology, genetics, ecology, evolution, and human physiology. Students will use the scientific method to develop skills in problem solving.

BIOTECHNOLOGY

Course #: 409121	**9-12**
Prerequisite:	**None**
Credit for Graduation:	**LIFE SCIENCE**
A-G Approval/Subject Area:	**YES/D**
NCAA Approved:	**YES**

In this yearlong course, the science of biology is explored with a special emphasis on how biology is applied in the field of biotechnology. Throughout the course, recurring activities emphasize laboratory procedures and safety, inquiry-based lab protocols, methods for gathering and analyzing data, and applying what is learned to real world situations. Students will read and write in the discipline to research, document and communicate their findings and propose further research. The specific skill sets required for work in biotechnology-related fields are emphasized.

MARINE BIOLOGY

Course #: 409111	**11-12**
Prerequisite:	**Successful completion of Physical Science or Biology**
Credit for Graduation:	**LIFE SCIENCE**
A-G Approval/Subject Area:	**YES/D**
NCAA Approved:	**YES**

This course is designed to emphasize broad concepts of living systems in the marine environment. Concepts include structure, stability and interactions between the biotic and abiotic cycles, as well as evolution of organisms and patterns of genetic and ecological change. It will continue to stress the fundamentals of biology and life sciences and prepare students for a collegiate level or Advanced Placement courses in the life and environmental sciences. Weekly dissections of the major phyla will be required. In the event the course is full, the following criteria will be used: Students who are seniors, have passed Biology with a B or better, and have completed either Chemistry or Accelerated Physics with a B or better. The next criteria will be seniors who have passed Biology with a B or better and have passed Chemistry or Physics with a C or better. The next

priority will be given to juniors who meet the same criteria as above.

PHYSICS (NGSS)
Course #: 309261 **10-12**
Prerequisite: **C or higher grade in HS Math I and Biology**
Credit for Graduation: **PHYSICAL SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**
Students will solve problems as they relate to basic questions of motion, forces, energy, waves, electricity, and magnetism. Everyday applications and technologies are integrated with the basic concepts first, and computational emphasis next. Explanations and activities relate to everyday life to include a study of matter and the universe. The course should broaden the spectrum of students taking the course by attracting both science and non-science-oriented students. This is a college preparatory lab course in which students develop skills in logical reasoning, clarity, and precision of expression in both oral and written communication.

EARTH/SPACE SCIENCE (NGSS)
Course #: 409241 **11-12**
Prerequisite: **Concurrent enrollment in HS Math I or higher**
Credit for Graduation: **PHYSICAL SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**
Earth and space sciences is a laboratory course that will take an in depth look at the natural world and its processes. Students will explore and understand the objects that make up our universe, the history of the universe and planet Earth, the materials and processes that shape our world, Earth's natural resources and hazards, changes in Earth's climate systems, and the role that humans play in altering our planet. The course is designed to cover the Next Generation Science Standards (NGSS), including developing models and graphs for interpreting data, carrying out investigations, communicating information, and designing solutions to various problems and challenges.

CHEMISTRY
Course #: 409201 **10-12**
Prerequisite: **C or higher grade in HS Math I and Biology**
Credit for Graduation: **PHYSICAL SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**
Chemistry is a college preparatory lab science about the study of the structure of matter, its properties, and reactions. This course is recommended for those students who want to fulfill their a-g requirements. There is an emphasis on the mathematical formulations of the principles, chemical calculations, and problem solving. The laboratory component of the course is designed to develop scientific thinking and identify sources of unavoidable experimental error or reasons for inconsistent results. Experiments require interpretation of data and calculations with quantitative data.

OCEANOGRAPHY
Course #: 409231 **11-12**
Prerequisite: **C or higher grade in Earth Science or Biology**
Credit for Graduation: **PHYSICAL SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**
In this course, students will study the relationship between the physical properties of the ocean, the atmosphere, the seafloor and the coast. Major topics covered include waves, tides, currents, seawater chemistry, ocean floor features, coastal processes, ocean pollution and climate change. Students will gain an understanding of the ocean's influence on them, and their influence on the ocean.

ANATOMY & PHYSIOLOGY

Course #: 409403 **11-12**
Prerequisite: **C or higher grade in Chemistry strongly recommended**
Credit for Graduation: **LIFE SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**

This course is a study of human structure (anatomy) and its relationship to function (physiology). All major body systems will be covered in this course as well as biochemistry, cytology and histology. Various dissections will supplement learning during this course and will culminate in a whole mammal dissection. This course is most appropriate for those students interested in the medical profession.

AP BIOLOGY
Course #: 409501 **11-12**
Prerequisite: **A or B in Biology and Chemistry, Anatomy/Physiology or Physics recommended**
Credit for Graduation: **LIFE SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**

Advanced Placement Biology is a college level general biology course taught at the high school level. The class will bring together the four big ideas in Biology: ecology, energy, evolution, and genetics. This course will move at a fast pace to cover the four big ideas as well as laboratory experiments to supplement classroom instruction. This course is structured for the purpose of taking the AP Exam in Biology. Therefore, the expectation in enrolling in this course is to take the Biology AP Exam in May. A passing score on the Biology AP Exam may provide college/university course credit at the college level (please check the AP Credit Policy for the colleges/universities you plan on applying to at (https://apstudents.collegeboard.org/) or at the least, provide exposure and preparedness to take an equivalent college level Biology course. The prerequisite for this course is an A or B in Biology and Chemistry. Recommended classes include Anatomy or Physics.

AP PHYSICS 1
Course #: 409505 **11-12**
Prerequisite: **Completion of Algebra II or higher & Physics or Chemistry**
Credit for Graduation: **PHYSICAL SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**

This is a rigorous survey course integrating considerable depth of coverage with an extensive list of topics. Mathematical skills are regularly exercised up to, but not including the level of introductory calculus. Students are asked to solve complex problems applying their prior experience and knowledge. The range of topics prepares students for the AP Physics I exam. In the event this course is full, the following criteria will be used: Seniors who have passed Biology with a B or better, and Accelerated Physics or Accelerated Chemistry with a B or better. Next priority will be given to juniors who meet the same criteria as above.

AP CHEMISTRY
Course #: 409503 **11-12**
Prerequisite: **C or higher grade in Chemistry**
Credit for Graduation: **PHYSICAL SCIENCE**
A-G Approval/Subject Area: **YES/D**
NCAA Approved: **YES**

Advanced Placement Chemistry is designed to be the equivalent of the general chemistry course for science majors usually taken during the first year of college. The course is structured around the framework developed by the College Board and incorporates a college level laboratory component. The course uses a college level textbook and emphasizes calculations and mathematical formulations of principles. Strong problem solving skills are required in addition to being able to demonstrate conceptual understanding at the particle level. Passing the AP Chemistry exam can earn two semesters of college credit. In the event the course is full, the following criteria will be used: First - future seniors and then juniors with B or better in chemistry; Second - future seniors and then juniors with C or better in chemistry. Third -Open to sophomores (if the class is not full)

that have taken the equivalent of high school chemistry at a community college over the summer or other students that meet the minimum prerequisite.

AP ENVIRONMENTAL SCIENCE

Course #: 409507	**11-12**
Prerequisite:	**C in Biology & either Physics or Chemistry**
Credit for Graduation:	**INTERDISCIPLINARY SCIENCE**
A-G Approval/Subject Area:	**YES/D**
NCAA Approved:	**YES**

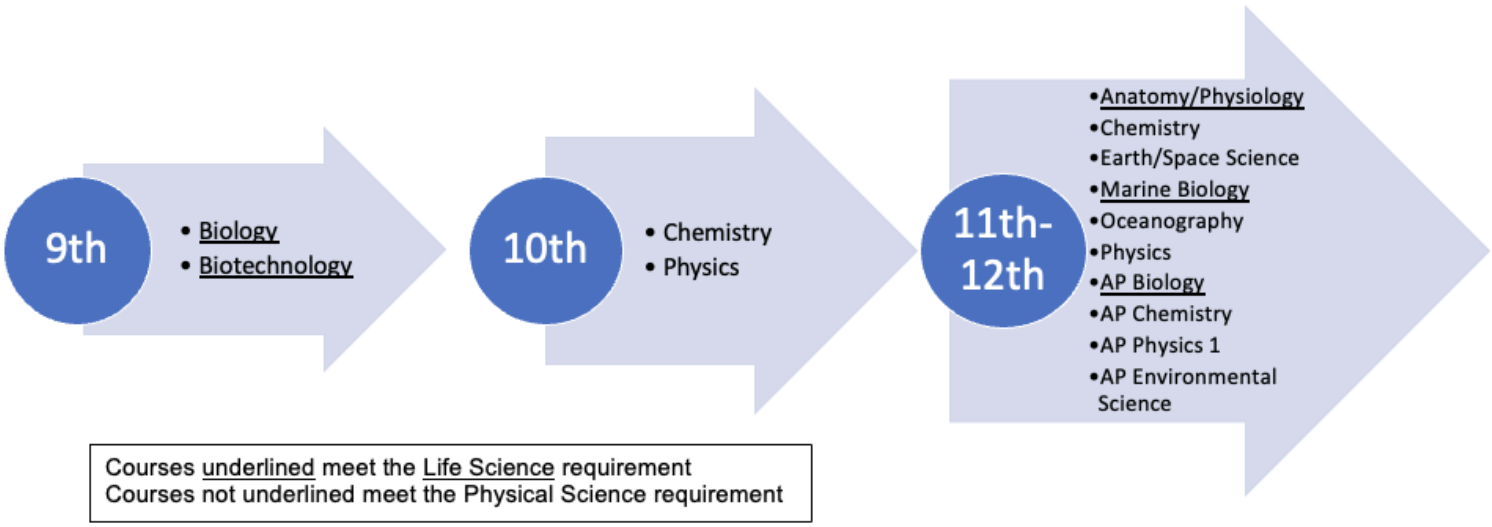
The AP Environmental Science course integrates a wide variety of science disciplines including geology, biology, environmental studies, environmental science, chemistry, and geography. It also incorporates a sociological and political perspective. AP Environmental Science is designed to provide students with the scientific principles, concept and methodologies required to understand the interrelationships of the natural work, to identify and analyze environmental problems both natural and human made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. In the event the course is full, the following criteria will be used: Seniors who have passed Biology with a B or better and completed Chemistry with a B or better will have first priority. The next criteria will be seniors who have passed Biology with a B or better and completed Chemistry, or AP Physics 1 with a C or better. The next criteria will be juniors who meet the same standards as above.

AP COMPUTER PRINCIPLES - CTE (1st course in Software Systems Development Pathway)

Course #: 709503	**11-12**
Prerequisite:	**Successful completion of Math I and II**
Credit for Graduation:	**PHYSICAL SCIENCE/College Prep Elective**
A-G Approval/Subject Area:	**YES/D of G**
NCAA Approved:	**YES**
Articulated With:	**MiraCosta (CS 101)**

AP Computer Science Principles (APCP) is intended to be equivalent to a first semester introductory college computing course. APCP offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden enrollment in computer science. Students who pass this class with an A or B will earn college credits from MiraCosta in CS 111.

2023 - 2024 Science Sequence



Courses underlined meet the Life Science requirement
Courses not underlined meet the Physical Science requirement

**** E - WORLD LANGUAGE ****

Students are required to take a minimum of two years (or the equivalent of Year 2) of a language other than English (LOTE) to graduate. Two years of a LOTE are required for admission to the CSU/UC systems. However, three to four years of a LOTE are recommended to better ensure UC admission.

FRENCH I

Course #: 509103	**91-12**
Prerequisite:	**None**
Credit for Graduation:	**WORLD LANGUAGE**
A-G Approval/Subject Area:	**YES/E**
NCAA Approved:	**YES**

This course introduces the student to the French language and culture by giving the student an elementary vocabulary for communicating in the language in all modalities

FRENCH II/III/IV

Course #: 509203/509303/509403	**9-12**
Prerequisite:	**C or better in prior French course**
Credit for Graduation:	**WORLD LANGUAGE**
A-G Approval/Subject Area:	**YES/E**
NCAA Approved:	**YES**

These courses continue the study of the French language and culture with special emphasis on conversation skills and more complex grammar.

AP FRENCH

Course #: 509505	**9-12**
Prerequisite:	**C or better in French III**
Credit for Graduation:	**WORLD LANGUAGE**
A-G Approval/Subject Area:	**YES/E**
NCAA Approved:	**YES**

AP French offers an integrated program to increase efficiency in all phases of language and literature study and prepare students for the AP French examination. Students must be willing to speak French.

SPANISH FOR SPANISH SPEAKERS I and II

Course #: 509021/509023	**9-12**
Prerequisite:	**Spanish language experience**
Credit for Graduation:	**WORLD LANGUAGE**
Meets a UC/CSU Requirement:	**YES/E**
NCAA Approved:	**YES**

This course is designed specifically for the student with Spanish language experience. This course is taught entirely in Spanish. As a Language Arts course, it is intended to further develop reading comprehension, as well as composition and other exploratory skills at an intermediate level. It is a college prep course and fulfills the A-G requirements. All students placed into this class will be assessed the first week of school for proper placement. They may be then moved into Spanish II, Spanish III, or AP Spanish.

S**PANISH I**

Course #: 509101 **9-12**
Prerequisite: **None**
Credit for Graduation: **WORLD LANGUAGE**
Meets a UC/CSU Requirement: **YES/E**
NCAA Approved: **YES**
This course introduces the student to the Spanish language and culture by giving the student an elementary vocabulary for communicating in the language in all modalities.

SPANISH II/III/IV
Course #: 509201/509301/509401 **9-12**
Prerequisite: **C or better in prior Spanish course**
Credit for Graduation **WORLD LANGUAGE**
A-G Approval/Subject Area: **YES/E**
25NCAA Approved: **YES**
These courses continue the study of the Spanish language and culture begun in Spanish I, introducing new vocabulary, reading materials and more complex grammar.

AP SPANISH LANGUAGE
Course #: 509501 **9-12**
Prerequisite: **C or better in Span III, Span/Spk or Teacher Approval**
Credit for Graduation: **WORLD LANGUAGE**
A-G Approval/Subject Area: **YES/E**
NCAA Approved: **YES**
AP Spanish Language students will acquire the vocabulary and structure of the language necessary to read newspapers, magazines, modern Spanish literature, and communicate orally and in writing with fluency and accuracy. This course will prepare students for the AP Spanish examination. Students must be willing to speak Spanish.

AP SPANISH LITERATURE
Course #: 509503 **9-12**
Prerequisite: **AP Spanish Lang or Teacher Approval**
Credit for Graduation: **WORLD LANGUAGE**
A-G Approval/Subject Area: **YES/E**
NCAA Approved: **YES**
The AP Spanish Literature course is intended to be the equivalent of a third-year college Introduction to Hispanic Literature course. It covers selected authors and works from the literature of Spain and Latin America and centers on the understanding analysis of literary texts. By the end of the course, student language ability can generally be equated to that of college students who have completed the typical fifth or sixth semester Spanish Language course in composition, conversation, and grammar. AP Spanish Literature promotes and even goes beyond the usual proficiency achieved in the conversation by providing the equivalent of a first year college literature course.

AMERICAN SIGN LANGUAGE I
Course #: 509105 **10-12**
Prerequisite: **None**
Credit for Graduation **WORLD LANGUAGE**
A-G Approval/Subject Area: **YES/E**

NCAA Approved: **YES**

American Sign Language I is a year-long course focusing on the lexicon, grammar, syntax, and both manual and non-manual production strategies of American Sign Language (ASL). The course stresses knowledge and understanding of Deaf culture. The course also addresses pre-employment skills and test-taking techniques.

AMERICAN SIGN LANGUAGE II/III

Course #: 509205/509305 **10-12**
Prerequisite: **C or better in prior American Sign Language course**
Credit for Graduation **WORLD LANGUAGE**
A-G Approval/Subject Area: **YES/E**
NCAA Approved: **YES**

American Sign Language II and III are courses focusing on the continued acquisition of skills in ASL vocabulary, syntax, and both manual and non-manual production skills. The course stresses knowledge and understanding of the Deaf culture. These courses also address pre-employment skills and test-taking techniques.

**** F - VISUAL & PERFORMING ARTS ****

Students are required to take a minimum of one year of a visual and performing arts class for graduation and UC/CSU admission.

ART I

Course #: 609101 **9-12**
Prerequisite: **None**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**

Art I students will study the elements of art and principles of design while exploring media such as graphite, pen and ink, tempera, acrylic, watercolors, printmaking, paper collage and scratch art. This one-year course fulfills the A-G Visual Arts requirement. This course is also a prerequisite to AP Drawing and the student is expected to participate both in class and through an online platform.

ART II

Course #: 609201 **10-12**
Prerequisite: **C in Art I or Teacher Consent**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: YES/F

In Art II, students will continue to enrich their body of work in the various media and techniques that are key to the development of an AP Drawing Portfolio. Projects are geared towards the Selected Works portion of this portfolio and such students will develop the visual problem-solving skills necessary to transition into AP Drawing.

CERAMICS

Course #: 609103 **10-12**
Prerequisite: **None**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**

Ceramics I introduces students to the medium of clay. Throughout the year students will learn a comprehensive approach to ceramics. First semester concentrates on creating both handmade and wheel thrown projects and

the second semester incorporates more sculptural projects that include figures, animals, whistles, and more. Ceramics I is the prerequisite for AP 3-D Design.

PHOTOGRAPHY
Course #: 609205 **10-12**
Prerequisite: **None**
Credit For Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
This course offers students an exploration of the art of photography. Through a series of diverse projects, students will learn how to capture images with the use of DSLR cameras, cell phones and other various technologies. Then, with the use of Adobe Photoshop
software, students will transform those images into works of art which adhere to the Elements of Art and Principles of Design. This is a creative course that strongly focuses on editing and design.

3D DESIGN & SCULPTURE
Course #: 609401
Prerequisite: **None**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
This course is for the High School Visual Arts Curriculum. 3-D Design & Sculpture provides an overview and introduction to fine
crafts, their media, and the cultures they represent. With an emphasis on studio production, this course is designed to develop higher- level thinking, art related technology skill, art criticism, art history, and aesthetics. Create expressive 3-D designs using the art elements and principles of design which include line, shape, texture, form, contrast, and unity. The student is expected to participate both in class and through an assigned online platform.

AP STUDIO ART - DRAWING
Course #: 609507 **11-12**
Prerequisite: **Art I and/or Art II or Teacher Consent**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
The AP Drawing class is for the academically driven and highly motivated student. Students will address two components in their portfolios: Sustained Investigation and Selected Works. Students must complete a total of 15 elaborate artworks that will become the basis of their portfolio. Also, the student will learn basic writing and critiquing skills that will enable them to successfully analyze artwork.

AP STUDIO ART – 2-DIMENSIONAL
Course #: 609503 **11-12**
Prerequisite: **Photo or Teacher Consent**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
This class provides an advanced photography experience where students will shoot and edit 24-29 photos towards a portfolio that will allow them to pass the AP 2-D Design College Board review. Students taking this course should have completed at least 1 year of Photography or Art 2 (or instructor permission) where they should have learned basic compositional and editing skills, as well as have been exposed to current art trends through a series of photo shoots and assignments. In this course, the student will learn and demonstrate advanced compositional techniques that will enable him/her to shoot a well-framed photo. The AP student will also learn advanced image editing techniques that provide impact and enhanced meaning to their work. The AP student will also learn printing and organizational skills as they prepare their work for portfolio submission. Students will also further their presentation skills as he/she learns how to mat and mount their work professionally. This program is highly individualized as well as demanding; thus, the student will be responsible for concept and portfolio development. Ideas and techniques will be introduced and demonstrated in class by the teacher, but the individual student will make decisions on

use of different techniques, compositions, photographs, and themes. This class is student driven and requires the student to be intrinsically motivated.

AP STUDIO ART – 3-DIMENSIONAL
Course #: 609507 **11-12**
Prerequisite: **Ceramics or Teacher Consent**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
AP 3D Design is the second year of Ceramics. This course gives students the opportunity to create a portfolio of art throughout the year. The class offers advanced techniques and processes while preparing artwork for the AP Exam. Students will be required to create a portfolio of art in the following categories: Sustained Investigation and Selected words. Students will also engage in group and individual critiques. Students will learn how to analyze and write about their artwork along with learning to document it. Artwork portfolios will be submitted to AP and are considered the AP exam. AP students will have many opportunities to submit artwork to a variety of local art exhibitions and scholarships as well as apply to the National Art Honor Society Club at ECHS.

FINE WOODWORKING I & II – CTE (1st & 2nd courses in Cabinetry, Millwork, and Woodworking Pathway)
Course #: 609131/609231 **11-12**
Prerequisite: **None**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
Fine Woodworking is a two-year course and is part of a sequence of courses in the Cabinetry, Millwork, and Woodworking pathway. The purpose of this course is to provide students with experiences in the elements of art and principles of design using wood as the primary artistic vehicle. This is a pathway course and must follow the sequence.

GRAPHIC DESIGN – CTE (1st course in the Design, Visual and Media Arts Pathway)
Course #: 609305 **9 -12**
Prerequisite: **None**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
Articulated with: **MiraCosta College (MAT 110)**
This artistic expression course allows students to develop portfolio pieces required for entry into college level art and design programs. Five major areas of graphic communications are covered: Graphic Design, Desktop Publishing, Publication Layout, Printing, and Multimedia/Internet. Interspersed within these five major areas will be instruction on art fundamentals, design principles, creative expression, aesthetic valuing, hand drawing skills, graphic design history, college entry, and portfolio construction. The students will use industry standard image editing and page layout software to produce products such as posters, business cards, greeting cards, newspaper ads, brochures, CD covers, and logo design. Students will demonstrate, through hands-on class assignments, an understanding of visual communication and effective graphic design. Students will present projects in a class setting and participate in oral critiques of class assignments. This is a pathway course and must follow the sequence.

WEB DESIGN – CTE (2nd course in Design, Visual and Media Arts Pathway)
Prerequisite: **Graphic Design**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
Articulated with: **MiraCosta College (MAT 125)**
Through a relevant context of Arts, Media and Entertainment, Web Design explores the historical and rapidly changing trends in the field of design for the web. Through design projects, students develop problem-solving and critical thinking skills, artistic perception, critique and self-reflection. With the awareness of design solutions throughout history, students will understand the impact of the arts and design on human experience. Students will learn methods and theory such as elements and principles of design, to enhance their own artistic

vision and style. Design critiques and presentations will provide opportunities for students to become and grow as design artists. All experiences will be project-based and will focus on developing perception and the application of the elements of art and principle of design through contemporary design applications and web design. This is a pathway course and must Follow the sequence.

TELEVISION, FILM and DIGITAL MEDIA – CTE (1st course in Production and Managerial Arts pathway)
Course #: 659411 **10-11**
Prerequisite: **Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
Articulated with: **Palomar College 10-11 (RTV 120)**
Students will be introduced to the realistic, classic, and formalistic traditions of filmmaking and the techniques used by filmmakers. Students will be able to critique professional and peer work while using appropriate film and video vocabulary. Students will also learn basic operational skills for the video camera and editing system so that they can demonstrate their understanding of film techniques while creating video projects. Instruction will cover production of programming, listening and speaking skills, script writing and critical thinking. This is a pathway course and must Follow the sequence.

BROADCAST JOURNALISM-CTE (2nd course in Production and Managerial Arts pathway)
Course #: 659423/659424 **11-12**
Prerequisite: **TV/Film and Digital Media**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**
Broadcast Journalism is a rigorous journalism program with a focus on writing and reporting as students produce content for a bi-monthly news program utilizing state-of-the-art technology. It is a journalism-based class that builds upon writing and reporting skills, as well as the advanced production techniques required to produce a compelling news program. Additionally, the class focuses on the analysis and practice of newsgathering along with the production and presentation of theoretical, philosophical, artistic, and historical perspectives. Broadcast Journalism is a Career Technical Education (CTE) course which integrates Visual and Performing Arts and CTE standards for the Digital and Media Arts Pathway. Students will also develop an understanding of the digital media industry and the influence of video on global communications, on culture, and the role it plays in social behaviors. The course will reinforce the importance of effective writing skills, communication skills, time management skills, interpersonal skills, and problem-solving abilities while working with state-of-the-art technology. This is a pathway course and must Follow the sequence.

CONCERT BAND
Course #: 649101 **9-12**
Prerequisite: **Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course presents music literature and performance opportunities, which will provide for the music development of the individual student.

WIND ENSEMBLE
Course #: 649201 **9-12**
Prerequisite: **Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course will present appropriate music literature and performance opportunities for advanced high school wind and percussion instrumentalists.

STRING ORCHESTRA
Course #: 649103 **9-12**
Prerequisite: **Teacher Consent**

Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course provides advanced instrument training and performance opportunities for students of viola, violin, cello, or string bass.

ADVANCED STRING ORCHESTRA
Course #: 649203 **9-12**
Prerequisite: **Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
Teacher Consent PERFORMING ARTSA-G Approval/Subject Area: YES/F
This course provides advanced instrument training and performance opportunities for students of viola, violin, cello, or string bass.

MARCHING BAND
Course #: 979405 **9-12**
Prerequisite: **Teacher Consent**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **NO**
The primary purpose of this course is to train the members of the Marching Band in the areas of dance, marching and maneuvering, and pageantry. The development of leadership and teamwork will be stressed. Students will participate and perform in scheduled marching band activities. Students will also participate and perform in selected competitions and activities outside the band program. Students will help promote spirit by participating in activities sponsored by the Associated Student Body. First semester only.

JAZZ BAND
Course #: 649211 **9-12**
Prerequisite: **Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course will teach the basics of jazz playing. Elements of study will include improvisation, style, and large and small ensemble playing. The Jazz Ensemble is a competitive ensemble that performs at Jazz Festivals. Performances outside of the class are required to meet the University of California “F” requirement. Students are required to participate in all performances and festivals/competitions.

PERCUSSION ENSEMBLE
Course #: 649212 **9-12**
Prerequisite: **Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
Students will present, read and study appropriate music literature for high school Percussion Instrumentalists. The Percussion Ensemble is a competitive ensemble that performs at Drum Line Competitions. Performances outside of the class are required to meet the University of California “F” requirement. Students are required to participate in all performances and festivals/competitions.

PAGEANTRY
Course #: 649011 **9-12**
Prerequisite: **Audition and Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **NO**
This course provides training for auxiliary groups of the marching band in various styles of pageantry performance.

CHORUS

Course #: 649105 **9-12**
Prerequisite: **None**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
Chorus performs beginning level literature from various selected eras of musical histories. Provides basic training in the techniques of rehearsal and performance for group singing. This class is a prerequisite for Concert Choir, Chamber Singers and Show Choir. Performances scheduled by the director outside of the school day will be required. This course may be repeated for additional credit.

CHAMBER SINGERS
Course #: 649305 **9-12**
Prerequisite: **Audition and Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course provides advanced vocal and performance techniques training. Students will be encouraged to improvise and demonstrate their musical understanding about literature studied in class. This vocal group is designed for the very serious singer. The literature performed by this ensemble is difficult and challenging and will require extra rehearsal time outside the normal school hours. Choral literature of different principle historic epochs will be studied.

SHOW CHOIR
Course #: 649001 **9-12**
Prerequisite: **Audition and Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
Stresses popular styles in singing and dance and will prepare students for show choir performances and competitions. Physical conditioning, coordination, and aptitude for the dance are essential elements of the class. Choreography, basic terminology, historical and cultural dimensions, as well as vocal and dance performance and analysis will be introduced. Performances outside of the school day will be required. This course may be repeated for additional credit.

HISTORY OF ROCK AND ROLL
Course #: 659111 **9-12**
Prerequisite: **None**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course focuses on the development of rock and roll music throughout the twentieth century. Students will gain an understanding of basic music theory as it pertains to rock and roll. Special attention will be given to the manner in which sociological, political and economic conditions affected the evolution of this style of music. This course will also focus on how this genre of music impacted historical events, in turn, to create the unique American culture we all live in today.

MUSICAL THEATRE
Course #: 659302 **9-12**
Prerequisite: **None**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course is designed to increase student participation, appreciation, and ability in the field of musical theatre with an emphasis on musical theatre style dance, acting and singing. Physical conditioning, coordination, basic terminology, historical and cultural dimensions as well as dance and performance analysis will be covered. The purpose of this course is to take each student's prior knowledge and ability in acting, singing, and dancing, and then combine them into a well- rounded musical theatre performer and critical observer of musical theatre. Students will also increase their knowledge of musical theatre history and current trends in the field.

Opportunities will be given to experience movement, be creative, learn different genres of dance in musical theatre all while increasing their endurance and their physical fitness skill.

DRAMA I (INTRODUCTION TO THEATRE ARTS)
Course #: 659101 **9-12**
Prerequisite: **None**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course is designed to introduce the art of the actor through performance. Each student will develop an appreciation for the aesthetics of the dramatic arts, the criteria of an effective performance, and awareness of the historical influences and contributions of the theater. Through reading of the textbook and scripts; writing reflections and critiques; design, acting, and lecture, students will have a beginning understanding of the theater world and the performing arts as a profession.

DRAMA II (ADVANCED DRAMA)
Course #: 659201
Prerequisite: **Drama I or teacher consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course is designed to provide the student with the opportunity to develop acting and directing skills and concepts introduced in Introduction to Theater Arts. Through reading of the textbook and scripts; writing reflections and critiques; design, acting, and lecture, students will have an increased understanding of the theater world and the performing arts as a profession. This class will focus predominantly on the acting and directing aspects of the theatrical world.

DANCE II
Course #: 649214 **11-12**
Prerequisite: **Audition or teacher consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
Dance II will offer the intermediate dance student a more in depth study of the following dance forms: jazz, modern, ballet, multicultural, musical theater, hip-hop, lyrical, and contemporary. A greater emphasis will be placed on technique and skills. Combinations will be more challenging than in the Dance I course with required participation in activities outside the class period. Students will have many opportunities to choreograph and perform a wide variety of dances and different dance styles for a wide variety of audiences. Students will also understand the historical and cultural contribution of dance. All students will be involved with the production of the annual dance shows. NOTE: Students in grades 11-12 may receive Performing Arts credit after 20 credits of PE have been completed.

DANCE III
Course #: 649314 **11-12**
Prerequisite: **Audition or teacher consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
This course will offer the advanced dance student a more in depth study of the following dance forms: jazz, modern, ballet, multicultural, music theater, hip-hop, and contemporary. A strong emphasis will be placed on dance performances and students will have many opportunities for performing both at school and in outside performances. Students will be required to participate in activities outside of the class period. Dance III material will be presented in a logical, sequential format so that students will be able to acquire effective, psychomotor, aesthetic, and cognitive knowledge about dance as an art. Students will choreograph dances for specific audiences and be thoroughly involved in the production of a large-scale dance show near the end of the course. NOTE: Students in grades 11-12 may receive Performing Arts credit after 20 credits of PE have been completed.

21ST CENTURY ENTREPRENEURIAL EXPLORE
Course #: 989131 **9**
Prerequisite: **None**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **G**
The purpose of this yearlong course is to expose and explore the impact of creativity on innovation and entrepreneurship, in order for students to obtain research-based employability skills for the 21st century. Students will be required to build skills in self-sufficiency, professionalism, time management, creative innovation, intrinsic motivation, technology skills, decision- making skills and responsibility to one's community. Students will be completing Google's 20% Project, which encompasses an Entrepreneurial focus that challenges students through interactive classroom activities to start their own entrepreneurial venture. Students will go through a process of brainstorming project ideas, creating and presenting an official project proposal, and then presenting the findings and reflections in a TED-Style Talk. The objective of this course is that students will gain and refine 21st Century skills such as collaboration, communication, creativity, critical thinking, and technology skills needed to be successful in high school and the global community.

AVID 9-12
Course #: 989118/989218/989318/989418 **9-12**
Prerequisite: **Application/Interview**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **G**
Advancement Via Individual Determination (AVID) is a four-year academic sequence 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 Advancement Via Individual Determination (AVID) is a four-year academic sequence 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. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

ETHNIC STUDIES
Course #: 709301 **11-12**
Prerequisite: **NONE**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **Yes/G**
This Ethnic Studies course aims to educate students to be politically, socially, and economically conscious about their personal connections to local and global histories. By studying the histories of race, ethnicity, nationality, and culture, students will cultivate respect and empathy for individuals and solidarity with groups of people locally, nationally, and globally so as to foster active social engagement and community building. Within each unit of study students will focus on the experiences of African Americans, Asian Americans, Chicanas/os and Latinas/os, American Indians, Pacific Islander Americans and other excluded people in the United States, such as the LGBTQ community, and those with special needs. This course develops academic skills, such as

reading, writing, speaking, analysis, critical thinking, communication, collaboration, creativity, citizenship, historical thinking, and the evaluation and discernment of credible and non-credible sources.

PUBLICATIONS
Course #: 809005 **10-12**
Prerequisite: **Teacher Consent**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **Yes/G**
This course is designed to introduce students to the skills needed in production of the school yearbook, such as copyright, photography layout and design, magazine publishing and advertising.

PSYCHOLOGY
Course #: 109411 **10-12**
Prerequisite: **None**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **Yes/G**
NCAA Approved: **YES**
This course covers a description of psychology, personality, description, causes, and treatment of abnormal personality traits, intelligence and learning theories, addictive behavior an^{3}d^{3} youth in society.

AP PSYCHOLOGY
Course #: 809005 **11-12**
Prerequisite: **None**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **Yes/G**
NCAA Approved: **YES**
The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior of the mental processes of human beings and other animals. Students are exposed to psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

AP SEMINAR
Course #: 709511 **10-12**
Prerequisite: **None**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **YES/G**
NCAA Approved: **NO**
AP Seminar is the first course in the AP Capstone Program. It is a foundational course that engages students in cross- curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate
information with accuracy and precision in order to craft and communicate evidence-based arguments. **This is a great introductory course to the AP program for students who are curious about moving forward with additional AP courses. It will provide essential skills that will prepare them for future AP classes.

AP RESEARCH
Course #: 709513 **11-12**
Prerequisite: **AP Seminar**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **Yes/G**

NCAA Approved: **NO**

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.

ROTC 10, 11, AND 12
Course #: 809207, 809307, 809056 **9-12**
Prerequisite: **MCJROTC**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **G**

The MCJROTC program is designed to instill in students the value of Leadership, citizenship, personal responsibility, and a sense of accomplishment. In this course, students will become familiar with different ways of exercising Leadership, their strengths and weaknesses, and how they can best work with others in a leadership context. They will learn and apply leadership skills in a hands-on practical way that encourages them to challenge their own beliefs and assumptions about what constitutes Leadership. They will also learn personal finance, college and career exploration, have volunteer opportunities and tangible life skills that apply to all careers post-graduation.

**** CTE ELECTIVES ****

CTE programs prepare all students to enter today's competitive workforce. CTE courses support California Common Core State Standards and CTE Model Curriculum Standards, providing students with access to career pathways, student internships, career exploration activities, leadership skills, and college planning tools. CTE students take industry-relevant classes connecting academics to real-world technical training. Courses must be taken in appropriate sequence. See chart below.

CTE Industry Sector: Information & Communication Technologies		
CTE Career Pathway: Software Systems Development		
Course Name	**Concentrator Class**	**Capstone Class**
AP Computer Science Principles	X	
AP Computer Science A		X
CTE Industry Sector: Arts, Media and Entertainment		
CTE Career Pathway: Design, Visual and Media Arts		
Course Name	**Concentrator Class**	**Capstone Class**
Graphic Design	**X**	
Web Design		**X**
CTE Industry Sector: Arts, Media and Entertainment		
CTE Career Pathway: Production and Managerial Arts		
Course Name	**Concentrator Class**	**Capstone Class**
TV/Video Production	**X**	
Broadcast Journalism		**X**
CTE Industry Sector: Transportation		
CTE Career Pathway: Systems, Diagnostics, Service and Repair		
Auto I	**X**	
Auto II: Brakes, Steering and Suspension		**X**
CTE Industry Sector: Transportation		
CTE Career Pathway: Systems, Diagnostics, Service and Repair		
Basic Auto/Automotive Engine Repair	**X**	
Adv Auto/Engine Repair & Electronics		**X**
CTE Industry Sector: Building Trades and Construction		
CTE Career Pathway: Building Trades and Construction		
Woodworking I	**X**	
Woodworking II		**X**

FINE WOODWORKING I AND II – CTE (1st and 2nd courses in Cabinetry, Millwork, and Woodworking Pathway)

Course #: 609131/609231 **9-12**
Prerequisite: **None**
Credit for Graduation: **PRACTICAL ARTS**
A-G Approval/Subject Area: **YES/F**

Fine Woodworking is a two-year course and is part of a sequence of courses in the Cabinetry, Millwork, and Woodworking pathway. The purpose of this course is to provide students with experiences in the elements of art and principles of design using wood as the primary artistic vehicle.

GRAPHIC DESIGN – CTE (1st course in the Design, Visual and Media Arts Pathway)

Course #: 609305 **9-11**
Prerequisite: **None**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**

This artistic expression course allows students to develop portfolio pieces required for entry into college level art and design programs. Five major areas of graphic communications are covered: Graphic Design, Desktop Publishing, Publication Layout, Printing, and Multimedia/Internet. Interspersed within these five major areas will be instruction on art fundamentals, design principles, creative expression, aesthetic valuing, hand drawing skills, graphic design history, college entry, and portfolio construction. The students will use industry standard image editing and page layout software to produce products such as posters, business cards, greeting cards, newspaper ads, brochures, CD covers, and logo design. Students will demonstrate, through hands-on class assignments, an understanding of visual communication and effective graphic design. Students will present projects in a class setting and participate in oral critiques of class assignments.

WEB DESIGN – CTE (2nd course in Design, Visual and Media Arts Pathway)

Course#: 609415 **10-12**
Prerequisite: **Intro to Graphic Design**
Credit for Graduation: **VISUAL ARTS**
A-G Approval/Subject Area: **YES/F**

Through a relevant context of Arts, Media and Entertainment, Web Design explores the historical and rapidly changing trends in the field of design for the web. Through design projects, students develop problem-solving and critical thinking skills, artistic perception, critique and self-reflection. With the awareness of design solutions throughout history, students will understand the impact of the arts and design on human experience. Students will learn methods and theory such as elements and principles of design, to enhance their own artistic vision and style. Design critiques and presentations will provide opportunities for students to become and grow as design artists. All experiences will be project-based and will focus on developing perception and the application of the elements of art and principle of design through contemporary design applications and web design.

AUTO I – CTE (1st course in System Diagnostics, Service and Repair Pathway I)

Course #: 709101 **9-11**
Prerequisite: **None**
Credit for Graduation: **PRACTICAL ARTS**
A-G Approval/Subject Area: **NO**

Beginning Auto is designed to cover the basic theory of all automotive and light truck systems. This class deals with the entire car and aims to teach theory of vehicle systems at an introductory student level, followed by service, diagnosis, and light repairs at a more advanced student level.

AUTO II / Engine Repair and Electronics – CTE (2nd course in Systems, Diagnostics, Service and Repair Pathway I) Course #: 709231 **10-12**
Prerequisite: **Engine Repair/Basic Electronics**
Credit for Graduation: **PRACTICAL ARTS**
A-G Approval/Subject Area: **NO**

This course provides entry-level and advanced training in motor vehicles and outdoor power equipment. Employment possibilities include automotive technician specializing in ignition, electrical, fuel and emission systems: self-employment, independent or dealership technician. The curriculum is based on the requirements specified by the Automotive Technicians Education Foundation (NATEF) certification standards. Instruction covers the following areas: safety; general engine operation and diagnosis; engine related services; charging system diagnosis and repair; ignition system diagnosis and repair; computerized engine controls diagnosis and repair; emissions control systems diagnosis and repair; Bureau of Automotive Repair (BAR) rules and regulations. Students use equipment that includes hand tools, power tools and measuring equipment. **1 semester Engine Repair and 1 semester Electronics**

BASIC AUTO/Automotive Engine Repair – CTE (1st course in System Diagnostics, Service and Repair Pathway II)
Course #: 709141
9-11
Prerequisite: **None**
Credit for Graduation: **PRACTICAL ARTS**
A-G Approval/Subject Area: **NO**
Automotive Maintenance and Light Repair is primarily an exploratory course designed to teach the basic parts and operation of automotive and small engines. Students learn the theory of how engines perform these operations. Successful completion of this course is required for advanced courses in the automotive studies program. Automotive Maintenance and Light Repair is instrumental to students entering the automotive industry as a career. Through completion of this course, students are prepared to enter the advanced auto courses through completion of the course standards, which will lead to career opportunities within the industry.

ADV AUTO/Suspension, Steering, and Brakes – CTE (2nd course in Systems Diag., Service and Repair Pathway II) Course #: 709241 **10-12**
Prerequisite: **Basic Auto**
Credit for Graduation: **PRACTICAL ARTS**
A-G Approval/Subject Area: **NO**
This course provides training in automotive suspension, steering and brake service. Employment possibilities include tire service technician, installer and technician specializing in brake service. The curriculum is based on the requirements specified by Automotive Service Excellence (ASE) certification standards. Instruction covers the following areas; safety, wheel and tire diagnosis and repair, brake hydraulic systems, drum brakes, disc brakes, power assist brake units, anti-lock brake systems, Bureau of Automotive Repair (BAR) rules and regulations, and miscellaneous service. Students use equipment, which includes hand tools and lifting equipment. **1 semester Brakes and 1 semester Steering**

TELEVISION, FILM and DIGITAL MEDIA – CTE (1st course in Production and Managerial Arts pathway)
Course #: 659411 **10-11**
Prerequisite: **Teacher Consent**
Credit for Graduation: **PERFORMING ARTS**
A-G Approval/Subject Area: **YES/F**
Articulated with Palomar College **(RTV 120)**
Students will be introduced to the realistic, classic, and formalistic traditions of filmmaking and the techniques used by filmmakers. Students will be able to critique professional and peer work while using appropriate film and video vocabulary. Students will also learn basic operational skills for the video camera and editing system so that they can demonstrate their understanding of film techniques while creating video projects. Instruction will cover production of programming, listening and speaking skills, script writing and critical thinking.

BROADCAST JOURNALISM - CTE (2nd course in Production and Managerial Arts pathway)
Course #: 659423/659424 **10-12**
Prerequisite: **TV/Film and Digital Media**
Credit for Graduation: **VISUAL ARTS**

A-G Approval/Subject Area: **YES/F**

Broadcast Journalism is a rigorous journalism program with a focus on writing and reporting as students produce content for a bi-monthly news program utilizing state-of-the-art technology. It is a journalism-based class that builds upon writing and reporting skills, as well as the advanced production techniques required to produce a compelling news program. Additionally, the class focuses on the analysis and practice of newsgathering along with the production and presentation of theoretical, philosophical, artistic, and historical perspectives. Broadcast Journalism is a Career Technical Education (CTE) course which integrates Visual and Performing Arts and CTE standards for the Digital and Media Arts Pathway. Students will also develop an understanding of the digital media industry and the influence of video on global communications, on culture, and the role it plays in social behaviors. The course will reinforce the importance of effective writing skills, communication skills, time management skills, interpersonal skills, and problem-solving abilities while working with state-of-the-art technology.

AP COMPUTER SCIENCE PRINCIPLES - CTE (1st course in Software and Systems Development pathway)

Course #: 709503 **10-11**
Prerequisite: **Successful completion of Math I and II**
Credit for Graduation: **College Prep Elective**
A-G Approval/Subject Area: **YES/D or G**

AP Computer Science Principles (APCP) is intended to be equivalent to a first semester introductory college computing course. APCP offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden enrollment in computer science (AP Computer Science Principles Course and Exam Description.)

AP COMPUTER SCIENCE A (2nd course in Software and Systems Development pathway)

Course #: 709501 **10-12**
Prerequisite: **None**
Credit for Graduation: **College Prep Elective**
A-G Approval/Subject Area: **YES/C or G**

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.

**** ELECTIVES ~ GENERAL ****

ROTC
Course #: 809007 **9-12**
Prerequisite: **None**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **NO**
The purpose of the MCJROTC training is to present classes and activities to the cadet that should develop the personal qualities and leadership skills so that each cadet will exercise good citizenship, leadership judgment, and acquire basic military knowledge. Students will participate in a variety of classes such as drill, history, custom & courtesies, first aid, leadership, physical fitness, and financial management.

ROTC DRILL
Course #: 979001 **9-12**
Prerequisite: **Physically Fit**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **NO**
For those cadets who desire to participate in extracurricular activities, the Marine Corps JROTC offers competition activities involving drill team, color guard, and Raider. These teams meet daily for practice and compete against other schools around Southern California. Physical conditioning and personal fitness are stressed.

ASB (ASSOCIATED STUDENT GOVERNMENT)
Course #: 809001 **9-12**
Prerequisite: **Elected Office or Teacher Consent**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **NO**
This course provides an opportunity for leadership development as students learn to initiate, plan and execute activities for the betterment of the students and staff of El Camino High School.

WORK EXPERIENCE
Course #: 809009 **11-12**
Prerequisite: **Employment and Teacher Consent; Minimum age 16**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **NO**
This student will complete eighteen (18) class periods of career planning and employment related instruction, course assignments, and each week turn in a pay stub that verifies ten hours of paid work experience in order to meet the requirements of this course. Failure to meet the district attendance requirements will result in failure in this course.

PAL (Peer Assistance Leadership)
Course #: 809039 **10-12**
Prerequisite: **Application Required**
Credit for Graduation: **ELECTIVE**
A-G Approval/Subject Area: **NO**

The PAL program is an elective class that involves students helping students. The program encourages PAL students and their peers to make healthy life decisions and provides opportunities to create a supportive and safe school environment. PAL works to build resiliency and assets through youth leadership, mentoring, conflict resolution, peer helping, service learning, and prevention activities.

**** ENGLISH LANGUAGE DEVELOPMENT ****
(For Limited English Speakers Only)

ENGLISH LANGUAGE DEVELOPMENT I

Course #: 989101	**9-12**
Prerequisite:	**Teacher Consent**
Credit for Graduation:	**ELECTIVE**
A-G Approval/Subject Area:	**NO**

This course is designed to provide students new to English with an introduction to all domains of English proficiency (Listening and Speaking, Reading, and Writing), with a focus on oral fluency. Teachers will use specific instructional strategies designed to develop the language skills of students at the beginning proficiency level.

ENGLISH LANGUAGE DEVELOPMENT II

Course #: 989201	9-12
Prerequisite:	90% completion of ELD I
Credit for Graduation:	ELECTIVE
A-G Approval/Subject Area:	NO

This course is for students at the Early Intermediate oral proficiency level. Students receive instruction in all domains of English proficiency (Listening and Speaking, Reading, and Writing), with a focus on beginning reading and writing. Instruction in reading and writing will be provided at the student's proficiency level, using the California English Language Development (ELD) standards as a guide.

ENGLISH LANGUAGE DEVELOPMENT III

Course #: 989301	**9-12**
Prerequisite:	**90% completion of ELD II**
Credit for Graduation:	**ELECTIVE**
A-G Approval/Subject Area:	**NO**

This course is for students at the Intermediate proficiency level in Reading and Writing according to the California English Language Development (ELD) standards. Students receive instruction in all domains of English proficiency (Listening and Speaking, Reading, and Writing), with a focus on reading and writing. Instruction in reading and writing will be provided at the student's proficiency level, using the California English Language Development (ELD) standards as a guide.

ACADEMIC LANGUAGE & WRITING

Course #: 989411/989413/989405/989407	**9-12**
Prerequisite:	**90% completion of ELD III**
Credit for Graduation:	**ELECTIVE**
A-G Approval/Subject Area:	**NO**

This course was designed for intermediate and advanced English language learners. English academic language learners are expected to read, analyze and interpret a variety of informational texts. Students learn how text structure, language features and vocabulary vary depending upon subject and audience. This class prepares the intermediate and advanced English language learner with verbal, literacy and writing skills necessary to recognize and master various tasks, purposes, audience and text types.

**** PHYSICAL EDUCATION ****

All students in grades 9-12 will participate in PE during the school day unless there is a medical exemption on file. Non-medical exemptions may be made pursuant to California Education Code 51222 if 1) students have completed 20 credits of PE including Applied Fitness Concepts; 2) student is in grade 11 or 12; and 3) student is 16 years of age.

APPLIED FITNESS CONCEPTS (AFC, previously known as P.E. 9A)
Course #: 979051 **9**
Prerequisite: **None**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
Through a variety of classroom instruction and physical activities, this course will emphasize the development of movement skills and knowledge of fitness, self-image, personal growth and social well-being. **Required for graduation - must be completed in OUSD schools**

BODY DYNAMICS
Course #: 979011 **9-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course will allow students to develop fitness, muscular strength and endurance utilizing resistance exercises and aerobic activities.

WEIGHT TRAINING
Course #: 979201 **10-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course will allow students to develop a strength base and to improve cardiovascular fitness using selected weight training exercises and aerobic activities.

TEAM SPORTS
Course #: 979105 **10-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course gives the student the opportunity to participate in a wide variety of physical activities and team sports. Physical conditioning and personal fitness are stressed.

BASEBALL PE (TEAM SPORTS)
Course #: 979127 **10-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course gives the student the opportunity to participate in a wide variety of physical activities and team sports with a focus on baseball. Physical conditioning and personal fitness are stressed.

BASKETBALL PE (TEAM SPORTS)
Course #: 979121 **10-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course gives the student the opportunity to participate in a wide variety of physical activities and team sports with a focus on basketball. Physical conditioning and personal fitness are stressed.

FOOTBALL PE (TEAM SPORTS)
Course #: 979123 **10-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course gives the student the opportunity to participate in a wide variety of physical activities and team sports with a focus on football. Physical conditioning and personal fitness are stressed.

RUNNING PE (TEAM SPORTS)
Course #: 979125 **10-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course gives the student the opportunity to participate in a wide variety of physical activities and team sports with a focus on running. Physical conditioning and personal fitness are stressed.

DANCE I
Course #: 979111 **10-12**
Prerequisite: **AFC**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **NO**
This course is designed to provide opportunities for the beginning dance student to explore dance both as an art form and as a means for physical exercise. Jazz, modern, ballet, tap, musical theater and multicultural styles of dance will be introduced.

DANCE II
Course #: 979211 **10-12**
Prerequisite: **Audition and Teacher Consent**
Credit for Graduation: **PHYSICAL EDUCATION**
A-G Approval/Subject Area: **YES/F**

This course is designed to provide opportunities for the intermediate dance student to study dance in depth both as an art form and as a means for physical exercise. Jazz, modern, ballet, tap, musical theater and multicultural styles of dance will be studied.

DANCE III

Course #: 979311	**9-12**
Prerequisite:	**Audition and Teacher Consent**
Credit for Graduation:	**PHYSICAL EDUCATION**
A-G Approval/Subject Area:	**YES/F**

This course is designed to provide opportunities for the advanced dance student to study jazz, modern, ballet, tap, musical theater and multicultural styles of dance. Emphasis will be placed on dance performance, and performance will be required outside of the school day. 9th graders admitted into this class will take AFC concurrently.

SKATE PE

Course #: 979203	**10-12**
Prerequisite:	**P.E. 9A**
Credit for Graduation:	**PHYSICAL EDUCATION**
A-G Approval/Subject Area:	**NO**

This course will provide students with an opportunity to learn skate mechanics, skating safety, and proper etiquette in a public skatepark environment. Although applicable skill development will be the primary goal of this course, other areas such as movement skills, lifetime fitness and knowledge of body movement while skating, self -image, and personal and social growth will be promoted.

California Colleges

California Colleges is a free college and career planning resource for all California educators, students and families. Students and their families can create free accounts by logging on to https://www.californiacolleges.edu/#/ Students will be able to match their interests and skills to postsecondary college and career opportunities. They can take career assessments and use search tools to develop college, major, and career lists.

College Searches and Information		
California Colleges	https://www.californiacolleges.edu	Website for researching colleges and universities in California
College Board	https://www.collegeboard.org/	Register for SAT tests, do college searches, apply for financial aid
Cappex	https://www.cappex.com/	Search for an compare colleges, apply for scholarships
Peterson's Colleges and Universities	https://www.petersons.com/	Information on financial aid, comparing colleges, college entrance exams
Princeton Review	https://www.petersons.com/	Lots of information about SAT prep, college applications, college searches, etc.
US News World Report	https://www.usnews.com/best-colleges	Great site for comparing prospective colleges
College Applications		
California State Universities	https://www.calstate.edu/apply	Apply to CSU schools online
University of California	https://admission.universityofcalifornia.edu/	Apply to UC schools online
UC Personal Insight Questions	https://admission.universityofcalifornia.edu/how-to-apply/applying-as-a-freshman/personal-insight-questions.html	Get hints on how to write great personal insight questions to accompany your UC college application
	Career Search and Job Training	
Career Onestop: Pathways to Career Success	https://www.careeronestop.org/Toolkit/ACINet.aspx	
Occupational Outlook Handbook	https://www.bls.gov/ooh/	
Volunteer Info	https://www.volunteermatch.org/	
Independent Study		
Brigham Young University	https://is.byu.edu/	Take independent study courses via BYU
Financial Aid Information		
Fast Web	https://www.fastweb.com/	Easy to use site for finding colleges and finding scholarships
Smart Guide to Financial Aid	https://finaid.org/	Scholarship search, financial aid calculator
Free Application for Federal Student Aid (FASFA)	https://studentaid.gov/h/apply-for-aid/fafsa	Apply for federal financial aid online

Create an FSA ID	https://studentaid.gov/fsa-id/create-account/launch	Request your pin/FSA ID as your electronic signature on FAFSA and for accessing National Student Loan Data System
Merit Aid	https://www.cappex.com/scholarships	Directory of merit and academic scholarships across the country
Athletics		
NCAA	https://web3.ncaa.org/ecwr3/	Get information regarding NCAA eligibility; complete your Clearinghouse forms online
NAIA	https://www.naia.org/landing/index	National Association of Intercollegiate Athletics
Testing Sites		
ACT Tests	https://www.act.org/	Register for ACT exams
SAT Reasoning and Subject Tests	https://www.collegeboard.org/	Register for the SAT tests. Code for CSU Mentor (all CSUs) is 3594.

Playing Sports in College

If you have had a successful athletic career in high school and are hoping to play your sport in college, there are two avenues.

NCAA – the National Collegiate Athletic Association is the governing board for college athletics at the Division 1, 2 and 3 levels. The three divisions are defined by the number of sports they offer for both men and women. Division 1 colleges can offer full scholarships. Division 2 colleges can offer a combination of scholarship money, grants, student loans and employment earnings. Division 3 colleges do not provide financial aid related to athletics.

- D1 and D2 Eligibility - To be eligible for Division 1 and 2 colleges, student athletes have to meet core course requirements, have at least a 2.3 GPA and meet SAT/ACT requirements. Admission to the college is dependent on these factors.
- D3 Eligibility - To be eligible for a Division 3 college, student athletes need to be admitted to the college first.
    -

NAIA - National Association of Intercollegiate Athletics is the governing board for small athletic schools that are dedicated to character driven intercollegiate athletics.

- Eligibility - To play for a NAIA college, student athletes must meet two of three: ACT/SAT test score, Minimum GPA, or Class Rank (top 50% of class).
- Scholarships - financial packages can include scholarship money, grants-in-aid or student loans.

Transcript release process - Before we can release your transcript to a college coach or recruiter, please have the Transcript Release form signed and turn into the Counseling Center.
A link to the form can be found on the Athletics page of the EC web site.

For more information, contact Kathleen McCann, School Counselor and NCAA/NAIA liaison kathleen.mccann@oside.us 760-901-8041

El Camino High School
College & Career Center
760.901.8051
Mon-Friday 8:30am - 3:30pm

The College & Career Center is a great place to get FREE assistance for college & career planning for all ECHS students.

Visit the College & Career Center!

Students are encouraged to visit the College & Career Center either by drop in, with a pass from a teacher, or by making an appointment. Parents are also encouraged to call, email or make an appointment to get all of your questions answered. We are here to help make planning for life after high school a little easier!

What does the College & Career Center offer?

Services Provided
Career Counseling
Career Assessments
Career Speakers
Career Shadow Days
College Planning
College Application Workshops
College Fairs
College Representative Visits
Information & Workshops

Information & Assistance with:
Scholarships
Apprenticeships
Military Branches
Community Service & Internships
Volunteer Opportunities
Resumes & Brag Sheets
College Essays
College Entrance Exams Financial Aid
Work Permits

Free Information

All students are welcome to take any of the FREE career and college information located in the College & Career Center

Access to Computers & FREE Printing

Fax, scan and copy machine available for academic and professional use.

For additional information contact: *Career Guidance Tech* echs.career@oside.us

What Support Programs are Available in the College & Career Center?

MiraCosta College Student Ambassadors

MiraCosta College Student Ambassadors are available to meet with students three days a week in the Career Center. As college mentors, these students provide valuable insight and guidance specific to attending a community college. https://www.miracosta.edu/studentservices/ambassadors/studentambassadors.html

For additional information contact: Jonathan Gómez *Coordinator* 760.795.6894, jgomez@miracosta.edu

CSUSM TRIO Talent Search

Talent Search is a federally funded TRIO grant program through the U.S. Department of Education. CSUSM TRIO Talent Search is an academic preparation program that identifies and assists 9th–12th grade students who have the potential to succeed in higher education. TS serves 500 participants from **El Camino HS** and **Oceanside HS** providing academic year services such Academic Advising and Mentorship, College Preparation Workshops, Fee Waivers for College Entrance Exams, College Field Trips, and Assistance in complete college Admissions and Financial Aid/Scholarship Applications.

For more information, please visit our webpage at:
https://www.csusm.edu/outreach/trio/talentsearch/index.html

To apply, complete the interest form at:
https://www.csusm.edu/outreach/trio/talentsearch/become_a_participant.html

Staff Contact Information:

Lia Mauga
Director, TRIO Pre-College Programs
trio@csusm.edu
(760) 310-3283

Brenda Aguilar
Coordinator, TRIO Talent Search
baguilar@csusm.edu

Applications are available in the College & Career Center!

INFORMATION REGARDING COLLEGE ADMISSION TEST REQUIREMENTS

SAT or ACT results are not required for UC or CSU admission, but are required for admission to many other4-year colleges and universities. Please check the admission requirement for the schools you are considering.

SAT vs ACT

	SAT	ACT
How often is it administered?	Seven times per year	Six times per year
What is the test structure?	Ten section exam: 3 critical reading, 3 math, 3 writing and 1 experimental (experimental section is masked to look like a regular section.	Five section exam: English, Math, Reading, Science and Writing (optional). The experimental section is added to tests on certain dates only and is clearly experimental.
What is the content?	Math: through geometry and Math III /Algebra II Critical Reading: Sentence completions, short and long critical reading passages, reading comprehension Writing: an essay and questions testing grammar, usage and word choice.	Math: up to trigonometry Science: charts and experiments Reading: four passages, one each of Prose Fiction, Social Science, Humanities, Natural Science English: stresses grammar Writing: an essay
Is there a penalty for wrong answers?	NO	NO
Are all scores sent to schools?	No. There is a "Score Choice" option. Students can send a single date's scores or they can send all scores.	No. There is a "Score Choice" option. Students can choose which schools will receive their scores AND which scores the schools will see.
Are there other uses for the exams?	Scholarship purposes, certain statewide testing programs	Some scholarships

ACT vs. SAT: How to Decide Which Test to Take

Graduating Classes 2024 & 2025

El Camino High School 4-Year Plan / OUSD Requirements / a-g Requirements

My Personal 4YP **Please note: This is a flexible, tentative outline for your planning and you may revise it at any time.

SUBJ	Grade 9 - choose 6 classes	SUBJ	Grade 10 - choose 6 classes
A		A	
B		B	
C		C	
D		D	
E		E	
F		F	
G		G	
PE/ optional		PE/ optional	
SUBJ	**Grade 11 - choose 6 classes**	**SUBJ**	**Grade 12 - choose 6 classes**
A		A	
B		B	
C		C	
D		D	
E		E	
F		F	
G		G	
PE/ optional		PE/ optional	

My Personal Check List - Each blue box is required and worth 5 credits

SUBJECT - 220 Credits Required	10 Credits	20 Credits	30 Credits	40 Credits
World History – 10 credits				
US History – 10 credits				
Government/Econ – 5 cred/each				
English – 40 credits				
Mathematics – 30 credits				
Life Science – 10 credits				
Physical Science – 10 credits				
World Language – 20 credits				
Arts – 10 credits				
College Prep Elective - 10 credits				
Electives – 40 credits (all courses taken beyond graduation requirements counted as electives)				
PE – 20 Credits (including PE 9A)				

*It is your responsibility to indicate your NCAA goals to your counselor.

OUSD Graduation Requirements	UC/CSU a-g Requirements
Social Science - 3 years	A: Social Science - 2 years
English - 4 years	B: English - 4 years
Math - 3 years	C: Math - 3 years, 4 recommended
Life Science - 1 year	D: Lab Science - 2 years, 3 recommended
Physical Science - 1 year	E: World Language - 2 years, 3 rec
World Language - 2 years	F: Visual, Performing Art - 1 year
VPA or Practical Art - 1 year	G: College Prep Elective - 1 year
College Prep Elective - 1 year	**3.0 minimum GPA - Grade of C or better required in all classes. SAT or ACT required.**
Physical Education - 2 years	
Electives - 40 credits	

Graduating Classes 2026 & beyond

El Camino High School 4-Year Plan / OUSD Requirements / a-g Requirements

My Personal 4YP

Subject	Grade 9 - choose 6 classes	Subject	Grade 10 - choose 6 classes
PE		PE	
A		A	
B		B	
C		C	
D		D	
E		E	
F		F	
G		G	
Subject	**Grade 11 - choose 6 classes**	**Subject**	**Grade 12 - choose 6 classes**
A		A	
B		B	
C		C	
D		D	
E		E	
F		F	
G		G	
PE/ optional		PE/ optional	

My Personal Check List - each blue box is required and worth 5 credits

SUBJECT - 220 Credits Required	10 Credits	20 Credits	30 Credits	40 Credits
World History – 10 credits				
US History – 10 credits				
Government/Economics – 5 credits each				
English – 40 credits				
Mathematics – 30 credits				
Life Science – 10 credits				
Physical Science – 10 credits				
World Language – 20 credits				
Arts – 10 credits				
Physical Education – 20 Credits (including PE 9A&B/AFC)				
College Prep Elective - 10 credits				
Ethnic Studies - 10 credits				
Electives – 30 credits (all courses taken beyond graduation requirements are counted as electives)				

OUSD Graduation Requirements	UC/CSU a-g Requirements
Social Science - 3 years	A: Social Science - 2 years
English - 4 years	B: English - 4 years
Math - 3 years	C: Math - 3 years, 4 recommended
Life Science - 1 year	D: Lab Science - 2 years, 3 recommended
Physical Science - 1 year	E: World Language - 2 years, 3 recommended
World Language - 2 years	F: Visual, Performing Art - 1 year
VPA or Practical Art - 1 year	G: College Prep Elective - 1 year
Ethnic Studies - 1 year	
College Prep Elective - 1 year	**3.0 minimum GPA - Grade of C or better required in all classes.**
Physical Education - 2 years	
Electives - 30 credits	

*It is your responsibility to indicate your NCAA goals to your counselor.

**Please note: This is a flexible, tentative outline for your planning and you may revise it at any time.

Sample Rubrics for 4-Year Plans

OUSD MINIMUM GRADUATION REQUIREMENTS			
Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
21st Century **or** AVID **or** Band	World History	US History	Government & Economics
English 9	English 10	English 11	ERWC
Algebra 1 Math 2	Geometry Math 3	Algebra 2 Math Analysis	Elective / *Ethnic Studies
Biology or BioTech	Physics or Chemistry	Visual or Performing Art	College Prep Elective (a-g)
Elective	World Language I	World Language II	Elective
PE	PE	Elective / *Ethnic Studies	Elective

RECOMMENDED COLLEGE ENTRANCE REQUIREMENTS			
Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
21st Century **or** AVID **or** Band	World History or AP World History	US History or AP U.S. History	Gov't/Econ or AP Government
English 9	English 10	English 11 or AP English Language and Composition	ERWC or AP English Literature and Composition
Algebra 1 Math 2	Geometry Math 3	Algebra 2 Math Analysis	Math Analysis AP Statistics AP Calculus
Biology or BioTech	Physics or Chemistry	Physics, Chemistry, Science Elective	Science Elective
World Language I	World Language II	World Language III	Elective / *Ethnic Studies
PE	PE	Visual or Performing Art	College Prep Elective (a-g)

MINIMUM COLLEGE ENTRANCE REQUIREMENTS			
Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
21st Century **or** AVID **or** Band	World History	US History	Government & Economics
English 9	English 10	English 11	ERWC
Algebra 1 Math 2	Geometry Math 3	Algebra 2 Math Analysis	Math Analysis
Biology or BioTech	Physics or Chemistry	Visual or Performing Art	Elective / *Ethnic Studies
Elective	World Language I	World Language II	College Prep Elective (a-g)
PE	PE	Elective / *Ethnic StudiesElective	Elective

MOST DEMANDING COLLEGE ENTRANCE REQUIREMENTS			
Grade 9	**Grade 10**	**Grade 11**	**Grade 12**
21st Century **or** AVID **or** Band	AP World History	AP U.S. History	AP Government
English 9	English 10	AP English Language and Composition	AP English Literature and Composition
Algebra 1 Math 2 or 2+	Geometry Math 3 or 3+	Algebra 2 Math Analysis AP Calculus	Math Analysis AP Statistics AP Calculus
Biology or BioTech	Physics or Chemistry	AP Science Elective	AP Science Elective
World Language I	World Language II	World Language III	AP World Language
PE	PE	Visual or Performing Art	Elective / *Ethnic Studies

*Ethnic Studies required for Class of 2026 & beyond

**For graduation purposes, a grade of "D" or higher is passing for credit.

**College entrance grades must be a "C" or higher.

EL CAMINO
WILDCATS