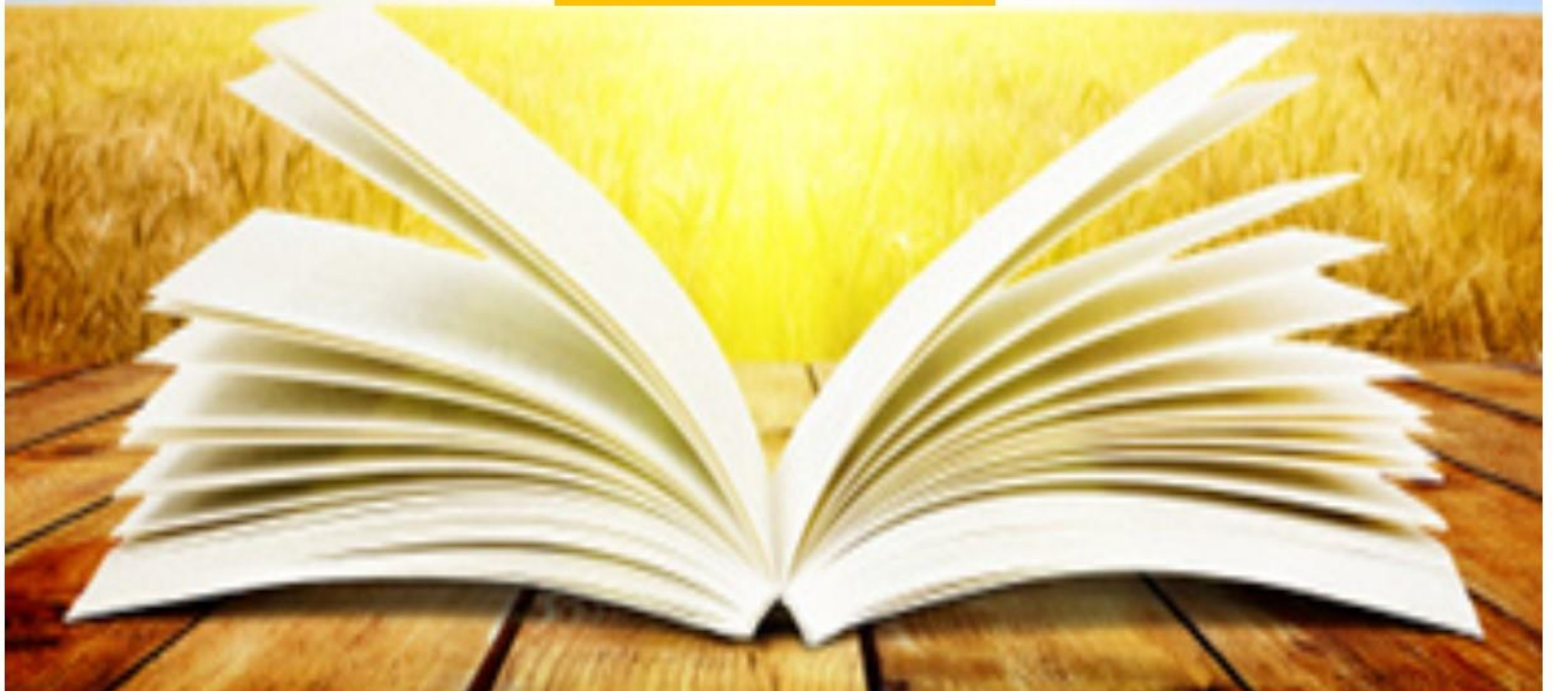


**SAN LUIS OBISPO HIGH SCHOOL
2019-2020 COURSE OFFERINGS BOOKLET**



SAN LUIS COASTAL UNIFIED SCHOOL DISTRICT

SAN LUIS OBISPO HIGH SCHOOL MISSION STATEMENT

The mission of San Luis Obispo High School is to engage all students in a challenging and comprehensive educational program that will empower them to succeed with integrity and competence in an ever changing world.

Principal	Leslie O'Connor
Assistant Principal	Julie Mamo
Assistant Principal	Nick Frost
Assistant Principal	Jessica Miller
Counselors	Shelley Benson Kerry Ingles Chris Inman Heather Senecal
Career Technician	Colleen Martin

Welcome to San Luis Obispo High School, home of the Tigers. Upon entering high school each student is assigned a counselor. Your counselor will assist with all aspects of academic, career and socioemotional needs. To see your counselor, visit the Counseling Office webpage and sign up for an appointment. You will be called in as soon as possible.

San Luis Obispo High School is on a trimester schedule. In this system, the school year is divided into three 13-week trimesters. Students take 5 classes a day, and each class lasts 70 minutes. Because of the length of classes and amount of material covered, one trimester course is the equivalent of a one semester course. Traditional year-long classes are covered in two trimesters, with some exceptions.

UNDERSTANDING AND USING THIS BOOKLET

- Review the Graduation Requirements
- Departments are listed alphabetically and many courses have a prerequisite.
- Classes are designated by grade level: 9 (Freshman), 10 (Sophomore), 11 (Junior) and 12 (Senior).
- Courses that meet subject requirements are coded: CTE, Career Technical Education; Visual and Performing Arts, refer to page B, (Course Requirements).
- The courses that meet UC/CSU and subject requirements are followed by "P" (College Prep), "H" (Honors), or "AP" (Advanced Placement) and are noted under the course title with the designation **College Entrance**.

GRADUATION REQUIREMENTS

There are two basic requirements for graduation from the
San Luis Coastal Unified School District ~

1. Credits:

The School Board has established a credit requirement of 265 credits.

Credits are awarded for the successful completion of trimester courses with a grade of "D" or better. Students are enrolled in 5 classes each trimester.

2. Course Requirements:

A. Subject Requirements

Course Requirements	Credits
English	40
Mathematics (must include Algebra I)	30
Physical Education	20
Science (must include 2 trimesters of Physical Science and 2 trimesters of Life Science)	20
Social Science	30
Foreign language and/or Visual or Performing Arts [VPA] or CTE	10
Health Family Living	5
<hr/>	
	155 credits

B. Elective Requirements - 110 credits

C. Total Credits Required for Graduation - 265 credits

GRADING INFORMATION

Progress Reports are mailed home midway (6 weeks) through each trimester. The final trimester grade, which is placed on the final transcript, is mailed home the week after the trimester ends. Students have two (2) weeks from the last day of a trimester to change an "incomplete" to a letter grade or to challenge a final grade by contacting the teacher.

A student receives credit for each class during a trimester in which a passing grade (A, B, C, D) is earned. No credit is awarded prior to the completion of a trimester. The cumulative grade point average is computed by awarding grade points (A=4, B=3, C=2, D=1, F=0) for all classes, and dividing by the number of classes. Certain designated classes are weighted to award increased grade points. Classes designated as Honors (H) or Advanced Placement (AP) receive an extra grade point (A=5, B=4, C=3). D's and F's remain at 1 and 0 respectively.

ALTERNATIVE PATHS TO MEET GRADUATION REQUIREMENTS

1. Early Graduation Process

A student who wishes to graduate early should meet with his/her counselor and obtain an Early Graduation Petition. All graduation requirements must be met prior to early graduation. Students will be allowed to return for senior activities and commencement.

2. Flexible Scheduling Policy

A. Challenge for Credit: A student may receive credit for a course through an evaluation process certifying that Board-approved course objectives have been met. The challenge must occur within the first two weeks of the trimester. A student needs to meet the course objectives at an 85% mastery level. The normal circumstance where credit would be awarded is through the student passing a course final examination at this level. Credit will be given for challenged courses, but no grade mark, and credited units will not be calculated in a student's GPA. See a counselor for Challenge Credit Request form.

B. Substitute: A student may replace a course with an alternative course offered through an accredited institution if the concurrently enrolled course meets 80% of the Board-approved course objectives. Credit will be awarded, but the grade will not be computed in the high school GPA or rank in class. An agreement with the counselor, assistant principal, student, and parent must be in place prior to any substitutions. **No credit will be awarded for courses taken without prior administrative approval.** See counselor for details.

3. Foreign Exchange





Students interested in studying abroad are encouraged to work with recognized foreign exchange organizations to insure quality placement in other countries. Go to the District website at slcusd.org to see a list of recognized organizations. SLOHS students have been to all parts of the world as part of their high school experience. We have a long-standing relationship with a "sister" school in Stuttgart, Germany with whom we exchange students each year. All graduation requirements must be met for a student to receive a diploma from the school district. See counselor for details



Career and College
Ready

Be a Pathway Completer AND College Ready using CTE classes for electives.

To complete a pathway, you must take all the classes in order listed in the pathway of your choice. This chart lists what counts for high school graduation and what area the class counts for in the UC/CSU a-g requirements. Also listed are the courses that are dual enrolled with Cuesta. That means you take the class at SLOHS and a college transcript is generated giving you college credit. If you have questions, please see your counselor.

Industry sector	Counts for CTE Pathway - Must complete sequence	Counts for High School Graduation	A-G UC/CSU	Cuesta Dual enroll	
Agriscience Pathway					
	Agricultural Biology A&B	Introductory	Biology, CTE Pathway Elect.	"d"	
	Chemistry and Agriculture A&B	Concentrator	Chemistry, CTE Pathway Elect.	"d"	
	Agriculture Systems Management A&B	Capstone	CTE Pathway Elective	"g"	
Agricultural Business Pathway					
 Agriculture & Natural Resources	Agriculture Leadership I A	Introductory	CTE Pathway Elective	"g"	
	Agriculture Speech Comm. A&B	Concentrator	CTE Pathway Elective	"g"	
	Agriculture Sales and Business A&B	Capstone	CTE Pathway Elective	"g"	AGB 202
Animal Science Pathway					
	Animal Science A&B	Introductory	CTE Pathway Elective	"d"	
	Small Animal Science/Pre-Veterinary A&B	Concentrator	CTE Pathway Elective	"d"	
	Ani. Anatomy/Physi. & Vet.Med. A&B	Capstone	CTE Pathway Elective	"d"	
Ornamental Horticulture Pathway					
	Ornamental Horticulture I A	Introductory	VAPA, CTE Pathway Elective	"f"	
	Art and History of Floral Design A&B	Concentrator	CTE Pathway Elective	"g"	
	Floral Design Field Experience A&B	Capstone	CTE Pathway Elective	"g"	
Production and Managerial Arts Pathway					
 Arts, Media & Entertainment	Digital Photography A	Introductory	VAPA, CTE Pathway Elective	"f"	ART 256
	Television & Video Production A&B	Concentrator	VAPA, CTE Pathway Elective	"f"	
	Digital Media Internship A&B	Capstone	VAPA, CTE Pathway Elective	"f"	FTVE 223
Professional Theater Pathway					
	Intro to the Performing Arts A	Introductory	VAPA, CTE Pathway Elective	"f"	
	Theatre II P Intermediate Theatre A&B	Concentrator	VAPA, CTE Pathway Elective	"f"	
	Theatre III P Advanced Theatre A&B	Capstone	VAPA, CTE Pathway Elective	"f"	
Residential & Commercial Construction Pathway					
 Building & Constructions	Wood I A	Introductory	CTE Pathway Elective	"f"	
	Construction I (BITA 1) A&B	Concentrator	CTE Pathway Elective	"g"	
	Construction II (BITA 2) A&B	Capstone	CTE Pathway Elective	"g"	
Cabinetry, Millwork & Woodworking Pathway					
	Wood I A	Introductory	CTE Pathway Elective		
	Wood II A&B	Concentrator	CTE Pathway Elective		
	Wood III A&B	Capstone	CTE Pathway Elective		CTCH 164
Education Pathway					
 Education	Developmental Psych. of Children I A	Introductory	CTE Pathway Elective	"g"	
	Careers with Children 1 A&B	Concentrator	CTE Pathway Elective	"g"	
	Careers with Children 2 A&B	Capstone	CTE Pathway Elective	"g"	ECE 205

Engineering Design Pathway



Engineering & Architecture

Engineering Drawing & Design I P A	Introductory	CTE Pathway Elective	"g"	
Engineering Drawing & Design II P A&B	Concentrator	CTE Pathway Elective	"g"	ENG 226
Engineering Drawing & Design III A&B	Capstone	CTE Pathway Elective	"g"	ENG 228

Fashion & Interior Design Pathway



Education

Introduction to Fashion and Interiors A	Introductory	CTE Pathway Elective		
Fashion Design A&B	Concentrator	CTE Pathway Elective	"g"	
Interior Design A&B	Concentrator	CTE Pathway Elective	"g"	
Fashion and Interior Merchandising A&B	Capstone	CTE Pathway Elective		

Hospitality, Tourism & Recreation Pathway



Hospitality

Culinary Arts A	Introductory	CTE Pathway Elective	"g"	CUL125, NUTR 123
Culinary Arts II A&B	Concentrator	CTE Pathway Elective	"g"	CUL 210
Cullinary Arts & Hosp. Management A&B	Capstone	CTE Pathway Elective	"g"	CUL 220

Systems, Software & Development Pathway



Information, Communication & Technology

Exploring Computer Science P A	Introductory	CTE Pathway Elective	"g"	ENG 248
AP Computer Science Principles A&B	Concentrator	CTE Pathway Elective	"g"	
AP Computer Science A&B	Capstone	CTE Pathway Elective	"g"	

Info, Support & Services Pathway

Exploring Computer Science B	Introductory	CTE Pathway Elective	"g"	ENG 248
CISCO IT Essentials A&B	Concentrator	CTE Pathway Elective	"g"	
Cybersecurity Essentials A&B	Capstone	CTE Pathway Elective	"g"	

Welding & Materials Joining Pathway



Manufacturing

Metal I A	Introductory	CTE Pathway Elective		
Metal II A&B	Concentrator	CTE Pathway Elective		WLD 101
Metal III A&B	Concentrator	CTE Pathway Elective		
Metal IV A&B	Capstone	CTE Pathway Elective		

Systems Diagnostics, Services, & Repair Pathway



Transportation

Auto I A	Introductory	CTE Pathway Elective	"g"	ATCH 156
Auto II A&B	Concentrator	CTE Pathway Elective	"g"	ATCH 162
Automotive Chassis & Drivetrain Sys. A&B	Capstone	CTE Pathway Elective	"g"	

POST HIGH SCHOOL OPPORTUNITIES

COMMUNITY COLLEGE

Cuesta College offers educational opportunities in two general areas:

1. Career Education - Curriculum offerings designed to train or retrain students for employment.
2. College Prerequisite Course - Allows students to complete general education requirements for four-year college entrance. Completion of 56 to 60 transferable units at Cuesta will count as the first two years of a four-year college degree.

ADMISSION

Admission is granted to any high school graduate. Individuals 18 years of age and older who are **NOT** high school graduates are also eligible but at the discretion of the college. Discretion in the latter case is usually based on whether the individual's high school class has graduated.

UNIVERSITY OF CALIFORNIA AND CALIFORNIA STATE UNIVERSITY

The pattern of academic courses required for freshmen eligibility, is the same for the University of California and California State University. To find our a-g list of approved courses go to www.ucop.edu/agguide.

UC and CSU "a-g" SUBJECT REQUIREMENTS

	CSU/UC <u>Required</u>	UC <u>Recommended</u>
a. History/Social Science	2 years	
b. English	4 years	
c. Mathematics	3 years	4 years
Three years, including Algebra I, Geometry, and Algebra II.		
<i>Math courses taken in grades 7 and 8 may be used to fulfill part of this requirement.</i>		
d. Laboratory Science	2 years	3 years
e. Foreign Language	2 years	3 years
f. Visual and Performing Arts	1 year	
<i>Students must complete one year long (2 trimesters) course from UC approved VPA courses.</i>		
g. College Preparatory Electives	1 year	
One year, in addition to those required in "a-f" previous listed, chosen from the following areas: visual and performing arts, history, social science, English, advanced mathematics, laboratory science, and languages other than English (a third year in the language used for the "e" requirement or two years of another language).		

Students must take 15 units of high school courses completed with a "C" or better to fulfill the UC Subject Requirements. **The UC's require that 11 of the 15 units be completed by the end of the junior year. A unit is equal to an academic year or two trimesters of study.** To be acceptable to the University, the courses must appear on the "a-g" list of courses certified by the high school principal as meeting the University's minimum admissions requirements.

UC and CSU SCHOLARSHIP and EXAMINATION REQUIREMENTS

Eligibility for admission is based on the grade point average in the "a-g" subject requirements and the scores on either the **SAT** examination given by the College Board or the **ACT** test given by the American College Testing Program. The CSU's require the SAT or the ACT without writing. The UC's require the SAT and the ACT with writing

Grade Point Calculations

For both the UC and the CSU, the grade point average calculation will include only those grades earned in UC approved courses (courses followed by a P, H or AP) which are taken during the 10th and 11th grades of high school.

Honors Points

The UC and the CSU will award honors points in calculating the GPA for up to eight trimesters of UC-approved honors-level courses and AP courses taken in 10th and 11th grades, The San Luis Obispo High School honors/AP courses listed below receive the extra grade point as follows (A=5, B=4, C=3).

AP Art History	AP Spanish
AP Calculus AB	AP Statistics
AP Calculus BC	AP European History
AP Chemistry	AP US History
AP Computer Science	AP Govt & Politics
AP Comp Sci Principals	AP Macroeconomics
AP Phycsis I	AP Microeconomics
AP English Language & Composition	AP Studio Art 2 D
AP English Literature & Composition	AP Studio Art 3 D
AP Latin	Honors Pre-Calculus

**SAN LUIS COASTAL UNIFIED SCHOOL DISTRICT
2019-2020
SAN LUIS OBISPO HIGH SCHOOL
COURSE OFFERINGS AND COURSE DESCRIPTIONS**

Note: All AP and H courses count towards the cumulative weighted GPA for high school class rank.

All AP courses are approved by UC/CSU for weighted GPA.
Honors courses are not approved by UC/CSU for weighted GPA, unless designated on the College Entrance note.

<u>CODES</u>	
P	College Prep
H	Honors
AP	Advanced Placement

AGRICULTURE DEPARTMENT

AGRICULTURAL BIOLOGY P

Course Code: 101310, 101320

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course emphasizes biological processes from cells to organisms to ecosystems. Students will be actively engaged in laboratory investigations, concept activities and projects. A major part of the course involves learning the scientific method through research and experimental technique. A research paper and long-term experiment may be required. These topics will be taught from an agricultural perspective using livestock species, soil science, fertilizers, crops, and natural resources. Through these investigations, students will be able to relate scientific principles to themselves and to the world around them. Instruction is also given in leadership, citizenship, and project programs through department activities.

[Life Science]

[Career and Technical Education]

CHEMISTRY AND AGRISCIENCE P

Course Code: 100210, 100220

Grade Level: 10, 11, 12

Prerequisite: Agricultural Biology P or Biology P

Length: Two trimesters

College: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course explores the physical and chemical nature of soil as well as the relationships between soil, plants, animals and agricultural practices. Students will examine properties of soil and land and their connections to plant and animal production. This course integrates biological science practices and knowledge into the practice of sustainable agriculture.

[Physical Science]

[Career and Technical Education]

ELECTIVES IN AGRICULTURE

**THESE COURSES WILL NOT TAKE THE PLACE
OF THE REQUIRED SCIENCE/SOCIAL SCIENCE COURSES.**

AGRICULTURE BUSINESS SALES AND MARKETING [Career and Technical Education]

Course Code: 100810, 100820

Grade Level: 11, 12

Prerequisite: Agriculture Leadership I; Agriculture Speech Communication

Length: Two trimesters

College Entrance: Pending approval of UC/CSU (g) Elective requirement

Description: This course is designed to teach critical business aspects of the agriculture industry with special emphasis in sales and marketing. This is a capstone course as part of our CTE Agribusiness Pathway. Topics will include economic principles, business organizations, finance and credit, agricultural sales and services and career preparation. This course is intended to successfully prepare those students who plan on majoring in Agriculture Business in college or for entry-level employment in the agriculture industry after high school.

AGRICULTURE SYSTEMS MANAGEMENT [Career and Technical Education]

Course Code: 100710, 100720

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I

Length: Two trimester

College Entrance: Pending approval of UC/CSU (d) Lab Science requirement

Description: This integrated class combines an interdisciplinary approach to laboratory science and research with agricultural management principles. Students will design systems and experiments to solve agricultural management issues currently facing the industry. Additionally, students will connect the products created in this class with industry activities to link real world encounters and implement skills demanded by both colleges and careers. Throughout the course, students will be graded on participation in extracurricular FFA activities as well as the development and maintenance of an ongoing Supervised Agricultural Experience (SAE) program.

AGRICULTURE LEADERSHIP I [Career and Technical Education]

Course Code: 280470, 280480, 280490

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Pending approval of UC/CSU (g) Elective requirement

Description: The purpose of this course is to accent agriculture education and the Future Farmers of America (FFA) Association in developing young people to be premier leaders with a vision. Critical thinking and evaluation skills will be an important aspect of the curriculum. Just as important will be the incorporation of articulation skills, both written and verbal. Students will develop and enhance their leadership skills through self-enhancement, goal setting, cooperative learning, speech proficiency, parliamentary procedures, book reviews, and presentations. To maximize critical thinking skills, current events in agriculture will be brought in by the students and used in a decision-making forum. This process will include both and written and oral skills. **Note: Fall Ag Leadership A is open to all students. Ag Leadership B is aimed at state CDE (Career Development Event) team preparation and requires teacher approval prior to enrollment.**

AGRICULTURE SPEECH COMMUNICATION P [Career and Technical Education]

Course Code: 281510, 281520

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters, repeatable

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: Speech will cover all aspects of physical delivery as well as written and verbal organization, and listening skills. Presentations will include speeches to inform, demonstrate, persuade, and entertain as well as oral interpretation and panel discussion. Special attention will be paid to topics in agriculture. Instruction is also given in leadership, citizenship, and project programs through department activities.

THE ART AND HISTORY OF FLORAL DESIGN I P

[Visual/Performing Arts]

[Career and Technical Education]

Course Code: 281310, 281320

Grade Level: 9, 10, 11, 12

Recommended Prerequisite: None

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: The Art and History of Floral Design provides an introduction to artistic and creative perception including aesthetic valuing through a series of projects in various media including tempera, pencil, flowers, tile, and a variety of papers. Students are also introduced to the elements and principles of visual art design such as line, shape/form, color, balance, and emphasis using a series of floral-based projects to explore the connections, relations, and application to visual arts design. Students will research and study floral trends to understand and develop an appreciation for floral design within historical and cultural, formal and casual, ceremonial and traditional, including an understanding that floral designs are affected by society, culture, history, politics, and economic influence. Various assignments based on abstract two and three dimensional designs, historical culture and theory, color theory, and analytical critiques of various floral art works using design vocabulary in conjunction with development of technical skills in floral art will serve as a foundation for more complex works such as multi-part floral designs and creative expression through wedding consultations.

SMALL ANIMAL SCIENCE/PRE-VETERINARY

[Life Science]

[Career and Technical Education]

Course Code: 280710, 280720

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

Description: This course includes job-specific training for care and management of small animals, such as dogs, rabbits, poultry, goats, and fish. The skills include handling, health care, nutrition, anatomy, diseases, surgical procedures, and housing for small animals. Students will work with professionals in the field and prepare for continued training as a veterinary technician or animal science specialist at the university level. Instruction is also given in leadership, citizenship and project programs through department activities.

ANIMAL ANATOMY/ PHYSIOLOGY AND VETERINARY MEDICINE P

[Life Science]

[Career and Technical Education]

Course Code: 281610, 281620

Grade Level: 11, 12

Length of Course: Two trimesters

Prerequisite: Biology P or Agricultural Biology P AND either Animal Science or Small Animal Science/Pre-Veterinary

College Entrance: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course is concerned with the study of the structure, function, and veterinary care of the animal body. Emphasis is placed on homeostatic mechanisms, the role of chemistry, levels of organization, cytology, histology, organ systems, diseases, dysfunction, veterinary tools, common veterinary surgical procedures, and veterinary diagnosis and treatment of disease. Biological applications will include studies in cells, genetics, evolution, and ecology as they pertain to the animal/veterinary field. It is a laboratory class designed for those students interested in animal health careers.

ART DEPARTMENT

CERAMICS I 9 12 P

[Visual/Performing Arts]

Course Code: 122000

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Completing Ceramics I 9 12 P and Ceramics II P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: Ceramics I P is a beginning course designed to teach students the nature of clay, basic hand building techniques of pinch coil and slab, basic ceramic sculpture construction, and glazes and glazing. Emphasis will be placed on craftsmanship and ceramic design. Notebook and/or sketchbook required.

CERAMICS II P

[Visual/Performing Arts]

Course Code: 122200

Grade Level: 10, 11, 12

Prerequisite: Ceramics I P

Length: One trimester

College Entrance: Completing Ceramics I P and Ceramics II P meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: Ceramics II P is an intermediate course in which the student learns how to throw on the potter's wheel and is encouraged to refine construction, sculpting, and decorative hand-building skills. Emphasis will be placed on advanced glazing and construction of projects using multiple methods.

CERAMICS III P

[Visual/Performing Arts]

Course Code: 122300

Grade Level: 10, 11, 12

Prerequisite: Ceramics II P

Length: One trimester, repeatable

College Entrance: Meets one semester of UC/CSU (f) Visual and Performing Arts requirement

Description: Ceramics III P is an advanced course in ceramics in which the student will refine ceramic skills and be required to make wheel projects and advanced sculpture projects. Individual development will be stressed. Students who repeat Ceramics III will design an independent course of study with the instructor.

Art I P

[Visual/Performing Arts]

Course Code: 120300

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Completing Art I and Art II meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: This introductory course inspires students to think more creatively and improve his/her communication. Through a series of projects in various media students will be introduced to the elements and principles of visual art, such as line, shape/form, space, balance and emphasis. Students will develop art vocabulary in conjunction with the development of skills that will serve as the foundation for more complex works. Students will learn art techniques that will help develop skills to support creative expression as they explore the connections and application to visual arts. The importance of visual art in world culture is the foundation for exploring diverse topics in the history of art.

Art II P

[Visual/Performing Arts]

Course Code: 120400

Grade Level: 9, 10, 11, 12

Prerequisite: "C" grade or higher in Art I

Length: One trimester

College Entrance: Completing Art I and Art II meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: Students will further develop skills and knowledge of materials and concepts from Art I while exploring drawing, painting, design, printmaking and 2-d mixed media in a deeper way. Student will learn art techniques that will help develop skills to support creative expression as they explore the connections and application to visual arts. The importance of visual art in world culture is the foundation for exploring diverse topics in the history of art.

Art III

[Visual/Performing Arts]

Course Code: 120500

Grade Level: 9, 10, 11, 12

Prerequisite: Art I and Art II with a "C" grade or higher

Length: One trimester

Description: Art III will strengthen basic skills to the beginning intermediate level and introduce more advanced concepts from Art II and will continue to explore drawing, painting, design, printmaking and 2-d mixed media. Projects require greater scope and depth than those in Art II. Students will continue to learn art techniques that help develop skills to support creative expression as they explore the connections and application to visual arts. The importance of visual art in world culture is the foundation for exploring diverse topics in the history of art.

AP Studio 3D P

[Visual/Performing Arts]

Course Code: 121610, 121620

Grade Level SLOHS: 11,12

Prerequisite SLOHS: Completion of Ceramics I AND Ceramics II AND Ceramics III with a grade of C or better. If a student does not meet the class requirements, then a student will be eligible to enroll with teacher approval, signature, and conference.

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This Advanced Placement Course is a professional, college level course. This course is for students who are interested in the exploration and mastery through three-dimensional medium or process, such sculpture and ceramics. It is important that students will learn to express themselves in their own personal style and experiment with the elements and principles of art and design. Students learn that art making is an ongoing process in which they create, review, make modifications, and explore variations as they make critical decisions and develop their art forms. Ongoing group critiques with peers and the teacher, as well as ongoing individual conferences with the teacher, will take place throughout the course and form part of the assessment for the course. Other assessments will be formative and summative as requirements are completed.

DIGITAL PHOTOGRAPHY P

[Visual/Performing Arts]

Course Code: 124110, 124120

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: Digital Photography is a photography course in which students master technical skills in order to create photographic works of art. Students will learn digital camera operation, computer input and resolution, photo editing programs, printmaking and electronic presentation. Students will incorporate the elements and principles of design in their photographs and presentations.

**[Technology Literacy]
[Career and Technical Education]**

DIGITAL FILM PRODUCTION P

Course Code: 124210, 124220

Grade Level: 11, 12

Prerequisite: Completion of Digital Photography and TV & Video Production

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course trains students in concepts and principles used in film and video production "from script to screen". The course exposes students to the basics of visual storytelling through the creation of storyboards, script writing, various shot types, camera movements, lighting, audio and techniques of editing. Emphasis is placed on the conceptualization, planning and execution of a film as well as the creative aspects of film production and film analysis. In addition, students will have opportunities to learn the skills necessary for jobs within the industry, such as: director, editor, cinematographer, sound designer, screenwriter and others.

**[Visual/Performing Arts]
[Career and Technical Education]**

TELEVISION & VIDEO PRODUCTION P

Course Code: 288010, 288020

Grade Level: 11, 12

Prerequisite: Digital Photography or consent of teacher

Length: Two trimesters, repeatable

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course will provide students with the necessary skills to seek entry level employment or continue their education toward a degree in electronic communication/media. The course includes practical application of the techniques of video production, sound recording, camera operation, and non-linear editing. Students will also learn job seeking, customer service, and marketing.

**[Visual/Performing Arts]
[Technology Literacy]
[Career and Technical Education]**

BUSINESS/COMPUTER EDUCATION DEPARTMENT

EXPLORING COMPUTER SCIENCE P

Course Code: 289410, 289420

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: Exploring Computer Science is a Two trimesters course consisting of 6 units: Human Computer Interaction, Problem Solving, Web Design, Programming, Computing and Data Analysis, and Robotics. The first three units are taught in part A of the course, the second three are taught in part B. The two parts are independent of each other and may be taken out of order or in different years. The course teaches both computer science content and computational thinking practices. Assignments and instruction are framed to be socially relevant and meaningful for students. Units utilize a variety of tools/platforms, and each unit culminates with a final project.

**[Technology Literacy]
[Career and Technical Education]**

AP COMPUTER SCIENCE

Course Code: 288910, 288920

Grade Level: 10, 11, 12

Prerequisite: Programming I P, Algebra II P, or permission of teacher

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: Students will program in Java using the activities, techniques, and constructs listed in the AP Computer Science Topic Outline, the official documentation for an AP Computer

**[Technology Literacy]
[Career and Technical Education]**

Science course published by the College Board. Students will have the option of taking the AP Computer Science test, recognized by many colleges and universities as the equivalent of an introductory level programming class.

AP COMPUTER SCIENCE PRINCIPLES

[Technology Literacy]

Course Code: 289010, 289020

Grade Level: 9, 10, 11, 12

Prerequisite: Ability to navigate computer file systems and being familiar with using multiple software programs including, but not limited to productivity software (e.g., Microsoft Office, Google Docs) and instructional platforms (e.g., Moodle, Google Classroom)

Recommended: Exploring Computer Science and 25 wpm typing speed.

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: AP Computer Science Principles is computer science course designed to give students foundational computing skills, and understanding of the real-world impact of computing applications, and programming literacy. It is designed to introduce a wider range of students to the central tenets of computer science and to interest them and prepare them for success in computer science and other STEAM fields. The course was developed to reflect the latest scholarship in the field of computer science.

CISCO IT ESSENTIALS P

[Technology Literacy]

[Career and Technical Education]

Course Code: 289810, 289820

Grade Level: 10, 11, 12

Prerequisite: Exploring Computer Science or teacher approval

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: Cisco IT Essentials covers fundamental computer and career skills for entry-level IT jobs. This course includes hands-on labs that provide practical experience to prepare students for enterprise networking. Simulation tools help students develop troubleshooting skills and practice what they learn. Course includes, develop working knowledge of how computers and mobile devices operate, identify common security threats and vulnerabilities like malware, phishing, spoofing and social engineering. Students will learn how to apply skills and procedures to install, configure, and troubleshoot computers, mobile devices, and software. Focus will be on developing critical thinking and problem solving skills using both real equipment and Cisco Packet Tracer, a network configuration simulation tool.

CYBERSECURITY ESSENTIALS

[Technology Literacy]

[Career and Technical Education]

Course Code: 290910, 290920

Grade Level: 11, 12

Prerequisite: Cisco IT Essentials or teacher approval

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: Cybersecurity Essentials explores the broad topic of cybersecurity in interesting and safe ways. Students learn how to protect their personal data and privacy online and in social media, and why more and more IT jobs require cybersecurity awareness and understanding. Students will be able to identify and guard against a variety of online malware, attacks, and hacks. Linux Operating System fundamentals is included in the course and is designed to build Linux knowledge for a career in IT. Upon successful completion of the course students will have the skills and knowledge necessary to pass the CompTIA Network+ and Security+ certification exams.

ENGLISH DEPARTMENT

ENGLISH 9 P

[English]

Course Code: 150110, 150120

Grade Level: 9

Prerequisite: English 8 A or English 8 ACC

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (b) English requirement

Description: English 9 P is a comprehensive English/language arts program which focuses on responding to literature through reading, writing, speaking, and listening. It is a literature-based course which emphasizes the writing process, both creative and expository. This course is designed to enhance students' lifetime communication skills. Career Education objectives will be included in this course. This course teaches the ELA and ELD standards and provides both integrated and designated ELD for all EL students enrolled in this course who are not enrolled in an additional ELD section.

ENGLISH 9 H

[English]

Course Code: 150210, 150220

Grade Level: 9

Prerequisite: English 8 A, English 8 ACC, or teacher recommendation

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (b) English requirement

Description: English 9 H is an accelerated English/language arts program which hones competencies in reading, writing, speaking, and listening. English 9 H is a literature-based course, which emphasizes the writing process, both creative and expository. This course is designed to improve students' ability to think critically through interpretation of literature. Career Education objectives will be included in this course.

ENGLISH 10 P

[English]

Course Code: 151110, 151120

Grade Level: 10

Prerequisite: English 9 P or English 9 H

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (b) English requirement

Description: English 10 P is a world literature survey class. Students will read short stories, non-fiction, novels, drama, and poetry focusing on interpretation of the literature through essay writing and discussion. Speech, creative writing, and research paper units are included. English 10 P emphasizes the writing process and grammar through usage for lifetime communication skills. Career Education objectives will be included in this course. This course teaches the ELA and ELD standards and provides both integrated and designated ELD for all EL students enrolled in this course who are not enrolled in an additional ELD section.

ENGLISH 10 H

[English]

Course Code: 151210, 151220

Grade Level: 10

Prerequisite: English 9 P, English 9 H, and/or teacher recommendation

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (b) English requirement

Description: English 10 H is an accelerated world literature class focusing on analysis of literature through writing essays and discussion. Students will apply principles of organization, clarity, purpose, audience, usage, mechanics, diction, and spelling in their compositions. Students will generate original theses supported by evidence. Units on creative writing (short stories and poems), the research paper, and speech are included. Career Education objectives will be included in this course.

ENGLISH 11 P**[English]***Course Code:* 152110, 152120*Grade Level:* 11*Prerequisite:* English 10 P or English 10 H*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (b) English requirement

Description: English 11 P surveys American literature from 1604 to the present. The course will focus on literary analysis through research, composition, and discussion. Students will write formal and informal essays, conduct research, and participate in oral language activities. This course teaches the ELA and ELD standards and provides both integrated and designated ELD for all EL students enrolled in this course who are not enrolled in an additional ELD section.

AP ENGLISH LITERATURE AND COMPOSITION**[English]***Course Code:* 153210, 153220*Grade Level:* 11*Prerequisite:* English 10 P or English 10 H*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (b) English requirement

Description: English Literature AP is an advanced class for the high school senior with an emphasis on British/world literature and composition. Students are involved in both the study and practice of writing and the study of literature. They will learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Through speaking, listening, and reading, but chiefly through writing, students will become aware of the resources of language. Each student is encouraged to take the national Advanced Placement Examination given in the spring of the school year. Upon successful completion of this test, college credit may be granted.

ENGLISH LITERATURE AND COMPOSITION AP SEMINAR**[English]***Course Code:* 153230*Grade Level:* 11*Prerequisite:* Prior two trimesters/two semesters of AP English Literature and Composition*Length:* One trimester

Description: This is a college level course that engages in close readings to form a critical interpretation of poetry, essays, short stories, drama, and novels. This course prepares students for the AP English Literature and Composition exam. It will enhance skills and abilities by focusing on weekly writing of past AP prompts while also taking weekly AP multiple choice tests followed by discussions and workshops on how to best answer those test questions.

ENGLISH 12 P**[English]***Course Code:* 153110, 153120*Grade Level:* 12*Prerequisite:* English 11 P or AP English Language and Composition*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (b) English requirement

Description: English 12 P provides a comprehensive survey of British literature. Writing and oral language activities will include critical analysis and evaluation of literature, timed in-class essays, speeches, and a research paper. Emphasis is on developing critical thinking skills in writing and in class discussions, and drawing conclusions and evaluations from research. Also, English/language arts skills will be further developed. Career Education objectives will be included in this course. This course teaches the ELA and ELD standards and provides both integrated and designated ELD for all EL students enrolled in this course who are not enrolled in an additional ELD section.

AP ENGLISH LANGUAGE AND COMPOSITION**[English]***Course Code:* 152310, 152320

Grade Level: 12

Prerequisite: English 11 P or English 11 H, or AP English Literature and Composition & teacher recommendation

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (b) English requirement

Description: English Language AP is an advanced class for the high school junior with an emphasis on American literature and composition. Students are involved in both the study and practice of writing and the study of rhetorical and analytical analysis of literature: fiction and non-fiction. Students will learn to use the modes of discourse and to recognize the assumptions underlying various rhetorical strategies. Through speaking, listening, and reading, but chiefly through writing, students will become aware of the resources of language. Each student is expected to take the national Advanced Placement Examination in Language and Composition given in the spring of the school year. Upon successful completion of this test, college credit may be granted.

ENGLISH LANGUAGE AP SEMINAR

Course Code: 152330

Grade Level: 12

Prerequisite: Prior two trimesters of AP English Language

Length: One trimester

Description: The English Language Seminar AP course will provide students with extensive practice for the Advanced Placement Language Examination offered in May. Each week in class, students will write to AP essay prompts and will be trained in essay scoring. In addition to composition and analysis, the students will complete weekly AP multiple-choice exams, will write multiple-choice questions, and learn test-taking strategies for not only the multiple-choice section, but the essay section as well.

EXPOSITORY READING AND WRITING P

[English]

Course Code: 154110, 154120

Grade Level: 12

Prerequisite: English 11 P or AP English Language and Composition and students interested in preparing themselves to pass English placement tests in order to avoid taking remedial English courses in college

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (b) English requirement

Description: The goal of this course is to prepare college-bound seniors for the literacy demands of higher education. Through fourteen rigorous instructional modules, students develop advanced proficiency in expository, analytical, and argumentative reading and writing. They are expected to increase their awareness of rhetorical strategies used by writers and apply those strategies to their own writing.

ELECTIVES IN ENGLISH

**THESE COURSES WILL NOT TAKE THE PLACE
OF THE REQUIRED ENGLISH COURSES.**

FILM STUDIES P

Course Code: 155100

Grade Level: 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one-half year of UC/CSU (b) English requirement

Description: Film Studies is a basic introduction to the concepts and techniques of film analysis and criticism. This course explores theories of how and why films make meaning, how and why

spectators absorb these meanings, and the role of film with historical, cultural, psychological, and social contexts.

CREATIVE WRITING P

Course Code: 161200

Grade Level: 10, 11, 12

Prerequisite: Grade of B or better in English for the previous year

Length: One trimester, repeatable

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: Creative Writing is a class to improve skills for students who enjoy writing stories, poems, skits, and other imaginative writing. Students will be required to share drafts orally and in written form to develop each student's unique style and voice.

INTRO TO THE PERFORMING ARTS P

**[Visual/Performing Arts]
[Career and Technical Education]**

Course Code: 164500

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Length: One trimester

College Entrance: Meets one half year of UC/CSU (f) Visual & Performing Arts requirement

Description: Intro to the Performing Arts is a survey of dance, theater, music and performance art through observation and listening, readings, project-based learning, and experimental learning. The intent of this course is to create self-aware, collaborative, and educated performing artists.

INTERMEDIATE THEATRE P

**[Visual/Performing Arts]
[Career and Technical Education]**

Course Code: 164110, 164120

Grade Level: 9, 10, 11, 12

Prerequisite: Intro to the Performing Arts P

Length: Two trimesters

College Entrance: Meets one half year of UC/CSU (f) Visual & Performing Arts requirement

Description: Intermediate Theatre will build upon from the Introduction to Performing Arts introductory course. Students will expand their knowledge of industry terms, career paths, and skills required for success in the Performing Arts. Emphasis will be placed on project based learning, participation in performances, rehearsal, set design and construction, directing peers, script analysis, performance evaluation, marketing and audition preparation, creative writing, and technical theatre skills.

ADVANCED THEATRE P

**[Visual/Performing Arts]
[Career and Technical Education]**

Course Code: 164210, 164220

Grade Level: 10, 11, 12

Prerequisite: Intro to the Performing Arts P and Intermediate Theatre

Length: Two trimesters

College Entrance: Meets one half year of UC/CSU (f) Visual & Performing Arts requirement

Description: Advanced Theatre will build upon Intermediate Theatre. Students will make connections with industry professionals in their area of concentration and collaborate on a culminating project that focuses on their chosen area of interest. Concentrations will include: Directing, Choreography, Musical Direction, Children's Theatre, Casting, Dramaturgy, Costume design, Set design, Lighting design, Marketing and Publicity and Playwriting. With the mentorship of a working professional from the Entertainment Industry, students will create and implement a plan, collaborate with peers, rehearse and promote a final performance or project.

NEWSPAPER PRODUCTION

[Technology Literacy]

Course Code: 165200, 165280, 165290

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester repeatable

Description: Beginning Journalism is an introductory course that allows students to use the skills involved in writing, designing, and producing the school newspaper and news websites.

YEARBOOK PRODUCTION

[Technology Literacy]

Course Code: 165410, 165420, 165490

[Career and Technical Education]

Grade Level: 9, 10, 11, 12

Prerequisite: Journalism - Yearbook and/or consent of teacher

Length: Two trimesters, repeatable

College Entrance: Pending approval of UC/CSU (g) Elective requirement

Description: Students enrolled in this course will plan, sell, and distribute the school yearbook. Students will practice project planning, writing, design, layout, sales, advertising, and business management skills related to the production of the yearbook. NOTE: Students assigned to positions as editors or business manager on the yearbook staff may enroll in two periods of Yearbook Production each trimester/semester. Ten units of credit will be granted for two-period enrollment.

INTRODUCTION TO ETHNIC STUDIES P

Course Code: 153300

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: This course is designed to 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. Students will learn about social constructs that have influenced the development, transformation, and perception of Latino, African-American, and Multiethnic identities. Students will examine the languages, family structures, spiritual traditions, economic and social issues, and values of diverse groups within the United States. Emphasis will be on Latinos and African-Americans, but other groups are also discussed. Additionally, the course develops academic skills in collaborative discussion, reading, analysis, and writing. This course aims to inspire students to critically engage in self-determination and to seek social justice for all.

ENGLISH LEARNERS PROGRAM

ENGLISH LANGUAGE DEVELOPMENT (ELD I, II)

[English]

Course Code: Various/selected by counselor

Grade Level: 9, 10, 11, 12

Length: Three trimesters

Description: English Language Development instruction is based on the English Language Development Standards and provides designated ELD. Students learn to be proficient listeners, speakers, readers and writers of the English language. All ELD courses incorporate literature, critical thinking, the writing process, grammar, and study skills instruction.

ENGLISH LANGUAGE DEVELOPMENT P (ELD III, IV)

[English]

Course Code: Various/selected by counselor

Grade Level: 9, 10, 11, 12

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (b) English requirement.

Description: This course is a comprehensive, college preparatory, language arts program

designed to address the ELA and ELD standards, and provide integrated and designated ELD. Instruction in each standards-based unit integrates the study of oral communication, reading, and writing. Students will participate in collaborative discussions by listening critically and using language to effectively communicate ideas based on purpose, context, and audience. They will read fiction and non-fiction texts for pleasure, understanding, practical application, and critical evaluation. Furthermore, they will analyze how writers and speakers use vocabulary and structure for specific purposes. Students will write and present a variety of paragraphs, essays, and reports (narrative, explanatory, argumentative), using the writing process and technology. The goal of instruction is for students to learn how to be independent, strategic, critical readers, writers, listeners, and speakers who communicate effectively in various forms, for genuine purposes, and to authentic audiences.

FOREIGN LANGUAGE DEPARTMENT

LATIN I P

[Foreign Language]

Course Code: 182110, 182120

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: Latin I P is an introduction to the language and culture of the ancient Romans.

This course emphasizes the basic structures of the language and the reading of Latin texts.

Students will gain a foundation in Latin grammar, practice reading and translating Latin, learn

derivatives of Latin words, and be introduced to a variety of aspects of classical culture.

LATIN II P

[Foreign Language]

Course Code: 182210, 182220

Grade Level: 10, 11, 12

Prerequisite: Latin I P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: Latin II P is a continuation of the study of the language and culture of the ancient

Romans. The course expands the study of Latin grammar and introduces complex structures

and more sophisticated readings. Students will investigate a variety of new aspects of classical

culture.

LATIN III P

[Foreign Language]

Course Code: 182310, 182320

Grade Level: 11, 12

Prerequisite: Latin II P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: Latin III P involves the review of Latin grammar and the reading and examination

of original Latin texts. Students will learn advanced grammatical concepts, analyze literary texts

critically, and make in-depth examinations of aspects of Roman culture.

AP LATIN

[Foreign Language]

Course Code: 182710, 182720

Grade Level: 12

Prerequisite: Latin III P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: Students will read the entire AP Latin syllabus, which includes one prose author (Julius Caesar), and one poet (Vergil). Students will translate and critically analyze the original Latin texts and expand their understanding of Latin prose style, poetics, and historical and literary components relevant to both authors. Students will review and expand their skills in Latin grammar, in particular the grammatical nuances unique to both Caesar and Vergil.
Students

SPANISH I P

[Foreign Language]

Course Code: 183110, 183120

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: Spanish I is a college preparatory, introductory course to the Spanish language and Hispanic culture. The emphasis will be given to activities focusing on essential language skills (listening, speaking, reading, and writing). The goal is to develop fluency and comprehension of the Spanish language. The student will gain an appreciation of Hispanic culture through readings, media, speakers, and geography. Formative skills in reading and writing will also be introduced.

SPANISH II P

[Foreign Language]

Course Code: 183210, 183220

Grade Level: 9, 10, 11, 12

Prerequisite: Spanish I P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: This is a course designed for students continuing with their second academic year of college preparatory Spanish. Students will continue to develop all four language skills (listening, speaking, reading, and writing). The goal is to increase fluency and comprehension of the Spanish language. Students will be introduced to numerous, advanced grammatical concepts and vocabulary. Instruction will include insights into cultures and traditions of Spanish-speaking persons.

SPANISH III P

[Foreign Language]

Course Code: 183310, 183320

Grade Level: 9, 10, 11, 12

Prerequisite: Spanish II P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: Third-year college-preparatory Spanish is designed to reinforce concepts covered in the first two levels while continuing acquisition of vocabulary and grammatical concepts. All four language skills are emphasized (listening, speaking, reading and writing). Cultures and traditions of Spanish-speaking persons are explored.

SPANISH IV P

[Foreign Language]

Course Code: 183410, 183420

Grade Level: 9, 10, 11, 12

Prerequisite: Spanish III P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: Spanish IV is an advanced college preparatory course which will refine and expand the communicative skills and grammatical concepts learned in the previous three levels. All four language skills (listening, speaking, reading, and writing) will be utilized, with emphasis on reading and writing added to that of competent oral communication. The class will be conducted primarily in Spanish. Cultural values and customs will be explored.

AP SPANISH LANGUAGE AND CULTURE

[Foreign Language]

Course Code: 183610, 183620

Grade Level: 11, 12

Prerequisite: Spanish III P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: The AP program in Spanish language is intended for those who have chosen to continue to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should have a basic knowledge of the language, a good command of Spanish grammar and vocabulary, and have competence in listening, speaking, reading, and writing.

SPANISH LANGUAGE AP SEMINAR

Course Code: 183630

Grade Level: 11, 12

Prerequisite: AP Spanish Language

Length: One trimester

Description: Students will refine and expand communicative skills and grammatical concepts learned in previous levels. Through repeated practice, they will improve their ability to comprehend formal and informal spoken Spanish in dialogues, narratives, lectures, and interviews on cultural and literary topics. Students will also correctly identify words, expressions, and grammatical structures of certain complexity in written form. Also the course will prepare them to write well-organized essays on newspaper articles, magazine passages, cultural events, and literary topics with accurate grammar and per syntax. Also students will actively participate in conversations with another fluent speaker by responding, clarifying, and expressing ideas with accuracy and fluency. In addition, students will take and analyze practice exams during the course of the trimester on materials that were released by AP Central College Board. After the AP Exam in May, students will read, watch, and analyze literary-based films such as Marianela, Los de abajo, Doña Barbara, Bodas de sangre, and/or La casa de Bernarda Alba. Students will create their favorite scene in class.

AMERICAN SIGN LANGUAGE I P

[Foreign Language]

Course Code: 184110, 184120

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: American Sign Language I is an introductory course to the visual-gestural language used by deaf people in the United States. Emphasis will be placed on basic sign vocabulary development, grammatical structure, and the manual alphabet. Students will gain an understanding and appreciation of “deaf” culture and history, as well as an awareness of assistive devices technologies which are available. This class is designed for any student interested in developing the basic skills necessary to communicate with deaf people.

AMERICAN SIGN LANGUAGE II P

[Foreign Language]

Course Code: 184210, 184220

Grade Level: 10, 11, 12

Length: Two trimesters

Prerequisite: American Sign Language I P

College Entrance: Meets one year of UC/CSU (e) Language Other Than English requirement

Description: American Sign Language II P is a continuation course to the visual-gestural language used by Deaf people in the United States. Emphasis will be placed on sign vocabulary development, grammatical structure, and the manual alphabet. Students will further their understanding and appreciation of “deaf” culture and history.

AMERICAN SIGN LANGUAGE III P**[Foreign Language]***Course Code:* 184310, 184320*Grade Level:* 10, 11, 12*Prerequisite:* American Sign Language II P*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (e) Language Other Than English requirement*Description:* Students taking American Sign Language III P will study and practice the language in a predominantly non-verbal environment. They will develop strong expressive and receptive skills using a broad range of subject areas. Emphasis will be placed on the correct usage of non-manual signals.**FAMILY AND CONSUMER SCIENCE DEPARTMENT AND
TECHONOLGY DEPARTMENT****INTRODUCTION TO FASHION AND INTERIORS****[Career and Technical Education]***Course Code:* 190300*Grade Level:* 9, 10, 11, 12*Prerequisite:* None*Length:* One trimester*Description:* This course enables the student to apply the design elements and principals in a variety of areas. These include clothing and textile projects, and interior design projects. Activity examples are: Creating fashions, sewing projects, and designing a room. This course serves as the foundation for Interior Design and Fashion Design.**FASHION DESIGN P****[Career and Technical Education]***Course Code:* 191310, 191320*Grade Level:* 10, 11, 12*Prerequisite:* Introduction to Fashion and Interiors*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (f) Visual & Performing Arts requirement*Description:* The first trimester of this course will enable students to understand and apply the elements and principles of design. The elements and principles of design analysis are related to fashion design, body type, personality, fabrics and manufactured clothing. Textile exploration helps students to understand the different types of textiles and their uses. Techniques of clothing construction are adapted to current fashion and the needs of the students. Activity examples: working with the elements and principles of design, designing clothing for different body shapes, analysis of personal colors, selection of patterns, fabrics, small sewing tools and equipment; construction of projects; and identification of fibers and fabrics. The second trimester of this course will enable students to expand their skills in collection design, textiles and clothing construction. The major emphasis is to develop skills in pattern adaptation, clothing alteration. Current trends in the fashion industry and careers, along with personal talents, skills, and experiences will be analyzed. Activity examples: designing a collection and analyzing costs, constructing complicated designs and fabrics, designing textiles, and reporting on a famous designer.**INTERIOR DESIGN P****[Career and Technical Education]***Course Code:* 192110, 192120*Grade Level:* 10, 11, 12*Prerequisite:* Introduction to Fashion and Interiors*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (f) Visual & Performing Arts requirement

Description: The first trimester/semester of this course will enable students to gain skills in designing and decorating personal living areas. The elements and principles of design will be studied and analyzed, used in floor plans, furniture arrangements, and creative decorating. Historical architecture and furniture will one of the areas of study. Activity examples are: analyzing the elements and principles of design, as well as historical architecture and furniture; learning to use drafting equipment and then drawing floor plans, read blueprints, coordinating the backgrounds, furniture, and fixtures environments, and creating a cohesive design. The second trimester/semester enables students to understand and produce kitchen design, apply their knowledge of the fundamentals of interior design in producing professional presentation boards for personal and commercial design projects. Textile design as it applies to furniture using the elements and principles of design is implemented. Sustainable products and design, and famous architects/interior designers are researched. The relationship between the architectural design of the exterior and the interior is analyzed. Career possibilities related to this area are explored. Activity examples: different kitchen designs, learning to draw two types of 3D design, research presentations of sustainable product and famous architects/interior designers, designing multiple room plans for homes or commercial interiors, and designing by computer.

FASHION AND INTERIOR MERCHANDISING

[Career and Technical Education]

Course Code: 287210, 287220

Grade Level: 11, 12 or age 16

Prerequisite: Advanced Fashion Design P or Advanced Interior Design or consent of instructor

Length: Two trimesters

Description: Students in the Fashion Design, Manufacturing, and Merchandising career pathway establish a foundation in all aspects of the fashion industry. Students pursuing this career path study the industry; laws and regulations; operational procedures and safety; history of fashion; fashion forecasting; textiles and textile products; design principles and elements; merchandising and fashion forecasting; garment manufacturing; product knowledge and apparel merchandising; sales and services; visual merchandising; inventory control and loss prevention; pattern making for apparel design; developing and merchandising a line; textile design; garment alteration and repair; and care and cleaning of apparel. Fashion design, manufacturing, and merchandising students also learn employment and management skills. Students pursuing the Interior Design and Furnishings career pathway study all aspects of the field including the principles and elements of interior design; space planning and interior systems; window, wall, and floor fabrication and installation; furniture construction; sales and merchandising; history of furniture and design; laws and regulations; operational procedures and professionalism; residential and commercial design. Interior Design and Furnishings students also learn employment and management skills.

DEVELOPMENTAL PSYCHOLOGY OF CHILDREN I P

[Career and Technical Education]

Course Code: 193300

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: This course is a comprehensive study of developmental stages of children from conception through preschool, including the major theories of development and their application.

CULINARY ARTS I

[Career and Technical Education]

Course Code: 194410, 194420

Grade Level: 9, 10, 11, 12

Prerequisite: none

Length: Two trimesters

College Entrance: Pending approval of UC/CSU (g) Elective requirement

Description: Culinary Arts I is the introductory course within the Hospitality pathway. Students will become familiar with Safety and Sanitation; Knife Skills; Station Management; and a variety of cuisines.

CULINARY ARTS II

[Career and Technical Education]

Course Code: 194510, 194520

Grade Level: 10, 11, 12

Prerequisite: Culinary Arts I

Length: Two trimesters

College Entrance: Pending approval of UC/CSU (g) Elective requirement

Description: Culinary Arts II provides the student with an understanding of the physical, chemical and biological characteristics of food. This course is in the Hospitality pathway within the Hospitality and Tourism sector of Career and Technical Education. This course is an applied laboratory based course that focuses on advanced skills and terminology used in meal management and food preparation. Instruction will focus on advanced food safety and sanitation, chemical composition of food, reactions of food and food microbiology as related to food preparation and techniques, along with facilities, storage and equipment. Students use the ability to research, collect data, analyze information, report findings, and evaluate products and performance.

CAREERS WITH CHILDREN

[Career and Technical Education]

Course Code: 287110, 287620 & 287510, 287520 (covers two periods)

Grade Level: 11, 12 or age 16

Recommended Prerequisite: Developmental Psychology of Children I P, application, and consent of teacher. Students must meet the requirements for volunteer aides as outlined by the Department of Social Services (Day Care Licensing).

Length: Two trimesters, two periods daily

Description: This course is designed to give high school students the opportunity to learn entry-level job skills in the field of childcare, while working at the on-campus lab, Tiny Tiger Preschool or community field sites. The students learn career opportunities and general job skills related to working with children. Students spend three weeks in a classroom training program and the remainder of the trimester/trimester/semester is spent working with young children. Weekly classroom seminars are held for preparation, evaluation and curriculum enrichment. The course is a one-year class with a maximum of 20 units of credit with a certificate of competence awarded at the completion of the course.

INDUSTRIAL TECHNOLOGY DEPARTMENT

AUTO I P

[Career and Technical Education]

Course Code: 200100

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets 1 year of UC/CSU (g) Elective requirement

Description: This course provides an introduction to the automobile and its supporting systems from a consumer's viewpoint. The course involves principles of operation, familiarity of basic components, and the safe performance of preventative maintenance in the following areas: engines, electrical, ignition, fuel, lubrication, cooling, tires, and emission control.

AUTO II P

[Career and Technical Education]

Course Code: 200210, 200220

Grade Level: 10, 11, 12

Prerequisite: Auto I

Length: Two trimesters

College Entrance: Meets 1 year of UC/CSU (g) Elective requirement

Description: This course provides information in advanced level skills required for maintenance of the automobile and its supporting systems from a technician's viewpoint. The course expands on the principles of operation and familiarity of components, and teaches the diagnostic and service procedures required to maintain the following systems: engines, cooling, lubrication, starting, charging, ignition, fuel, and emission control.

AUTO III

[Career and Technical Education]

Course Code: 200310, 200320

Grade Level: 12

Prerequisite: Auto II

Length: Two trimesters

Description: This course provides instruction in advanced level skills required for maintenance of the automobile and its supporting systems from a technician's viewpoint. The course expands on the principles of operation and familiarity of components, and teaches the diagnostic and service procedures required to maintain the following systems: brakes, suspension, steering, tires, wheel alignment, drive train, and air conditioning.

AUTOMOTIVE ENGINE DIAGNOSIS P

[Career and Technical Education]

Course Code: 282100

Grade Level: 11, 12 or age 16

Recommended Prerequisite: Auto I and Auto II or consent of teacher

Length: One trimester, two periods daily (First trimester/semester only)

College Entrance: Meets 1 year of UC/CSU (g) Elective requirement

Description: The purpose of this course is to develop specific competencies needed for entrance into occupations in the following areas: mechanical condition testing, starting system service, charging system service, ignition system service, fuel system service, and emission control system service. Class time will be divided between lecture, demonstration, and work in shop with emphasis on diagnosis, service, and repair. Students will also be provided the opportunity to further develop their skills by working in an auto repair facility in the community during the final weeks of the trimester/semester.

AUTOMOTIVE INTERNSHIP

[Career and Technical Education]

Course Code: 282410, 282420

Grade Level: 11,12 or age 16

Recommended Prerequisite: Automotive Maintenance or Automotive Engine Diagnosis or Automotive Chassis and Drivetrain Systems

Length: Two trimesters, repeatable

Description: This course is designed to give students actual "hands-on" experience in an automotive repair facility. Each student will work as an apprentice under a certified, experienced technician. Students will learn entry-level skills that are needed to succeed in the automotive industry. The purpose of this class is to give students an idea of what it is like to work in the automotive industry.

AUTOMOTIVE CHASSIS AND DRIVETRAIN SYSTEMS P

Course Code: 282500 (A&B), 282340, 282320

[Career and Technical Education]

Grade Level: 11, 12 or age 16

Prerequisite: One year of high school automotive technology or equivalent as evidenced by passing the auto theory exam

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: This program leads to career opportunities in the automotive service industry and/or placement in a community college or post high school educational program. Students will be prepared for employment in an automotive repair facility as an entry level technician.

Students will learn theory and practical repairs necessary to repair and maintain common powertrain systems with an emphasis on diagnosing and problem-solving techniques. Special attention will be given to those areas covered in the national Automotive Service Excellence (ASE) test. Students will be encouraged to take these tests at the completion of this program. Part of the course may be spent training in community classroom or cooperative training in a repair facility as a learning experience. Upon completion, students may be assisted in finding employment as entry level automotive technicians or as a trainee in specialty areas such as brakes, wheel alignment, drivetrains, or other related areas. Possible employers will be new car dealers, independent repair facilities, and specialty shops.

ENGINEERING DRAWING & DESIGN I P

**[Technology Literacy]
[Career and Technical Education]**

Course Code: 201500

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets 1 year of UC/CSU (g) Elective requirement

Description: This is the first course in the drafting sequence. This course is recommended for students who have a career interest in engineering, architecture, interior design, Computer-Aided Drafting and Design, construction, gaming and animation, robotics and manufacturing. Engineering Drawing & Design I will begin by exploring the fundamentals of mechanical drafting, such as sketching, 2D drawings, 3D drawings, and dimensioning. The students will then progress to work with the latest version of 3D modeling software to produce multi-view drawings, isometric drawings, 3D models, and product designs.

ENGINEERING DRAWING & DESIGN II P

**[Technology Literacy]
[Career and Technical Education]**

Course Code: 201610, 201620

Grade Level: 10, 11, 12

Prerequisite: Engineering Drawing & Design I or consent of instructor

Length: Two trimesters

College Entrance: Meets 1 year of UC/CSU (g) Elective requirement

Description: This course is recommended for the student that may have an interest in pursuing engineering or any other technically oriented career choice. Students will increase their understanding of drawing and the design process and techniques learned in the prerequisite course. Concepts, skills, and applications of the latest version of the computer software programs will be explored. Students will draw several advanced mechanical and technical drawings. The student will be required to brainstorm, engineer, and design mechanical, structural, electrical, aerospace, industrial, packaging, and manufacturing engineering products.

ENGINEERING DRAWING & DESIGN III

**[Technology Literacy]
[Career and Technical Education]**

Course Code: 201710, 201720

Grade Level: 11, 12

Prerequisite: SLOHS: Engineering Drawing & Design II or consent of instructor

Length: Two trimesters, repeatable

College Entrance: This course is pending approval for UC/CSU (g) Elective requirement.

Description: This course will prepare students for entry-level jobs in Computer Aided Drafting. Using Auto CAD software, students will learn both two-dimensional and three-dimensional drawing.

WELDING TECHNOLOGY P

[Career and Technical Education]

Course Code: 202400

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: The purpose of this course is to teach students to weld. This course covers safety, layout and measurement, sheet metal practice, oxyacetylene and electric arc welding procedures. Students will also have instruction in career opportunities.

METAL I: INTRODUCTION TO METAL FABRICATION AND MACHINING

Course Code: 202100

[Career and Technical Education]

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester

Description: This course covers safety, layout and measurement, machine shop practices, sheet metal, and foundry practice.

METAL II: WELDING, FABRICATION, AND MANUFACTURING

Course Code: 202210, 202220

[Career and Technical Education]

Grade Level: 10, 11, 12

Prerequisite: Metal I or Welding Technology

Length: Two trimesters

Description: Students in this course will increase their understanding of safety, machine shop practices, oxyacetylene and arc welding, and precision layout and measurement learned in the prerequisite courses. The class will introduce new welding skills in the GMAW and GTAW welding process. This class will also cover the techniques necessary to follow a set of plans and fabricate a specific project. This course includes supplies to meet the curricular objectives. However, individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

METAL III: ADVANCED WELDING, FABRICATION, AND MANUFACTURING

Course Code: 202310, 202320

[Career and Technical Education]

Grade Level: 11, 12

Prerequisite: SLOHS: Metal II

Length: Two trimesters

Description: This course covers safety and builds on welding and machining. Emphasis will be placed on project design, planning, and construction of a project of the student's choice. This course includes supplies to meet the curricular objectives. However, individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

METAL IV: ADVANCED WELDING AND PROJECT FABRICATION

Course Code: 202510, 202520

[Career and Technical Education]

Grade Level: 11, 12

Prerequisite: SLOHS: Metal III or consent of instructor

Length: Two trimesters

Description: This course involves learning advanced welding techniques. These include certification requirements and advanced TIG and MIG. Project design and fabrication will be the major emphasis of this course. This course includes supplies to meet the curricular objectives. However, individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

WOOD I

[Career and Technical Education]

Course Code: 204100

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester

Description: This course involves the learning of safe practices in the use of hand and power tools. The student is instructed in planning and designing a specified project which involves the basic operations of both hand and machine tools. The student then progresses to self-selected

projects under the direction of the teacher. Individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

WOOD II

[Career and Technical Education]

Course Code: 204210, 204220

Grade Level: 10, 11, 12

Prerequisite: Wood I

Length: Two trimesters

Description: This course is pre-vocational with emphasis on furniture and cabinet making. The above includes both personal and school projects. The student explores the woodworking industry as well as develops working skills and knowledge about equipment, materials, and maintenance of machine and hand tools. Individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

WOOD III

[Career and Technical Education]

Course Code: 204310, 204320

Grade Level: 11, 12

Prerequisite: Wood II

Length: Two trimesters

Description: This is a course for advanced woodworking students to develop entry-level knowledge and skills in the woodworking industry. The students will be involved in building cabinets and furniture. A portion of the program will be devoted to materials and processes of related trades and industries. Work will consist of class discussions, field trips, and school and student projects. Individual student projects beyond the curricular objectives may be charged a supplies/materials fee.

CONSTRUCTION I P

[Career and Technical Education]

Course Code: 204410, 204420

Grade Level: 9, 10, 11, 12

Prerequisite: Wood I

Length: Two trimesters, repeatable

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: This course is designed to give the student a complete overview of the residential construction process. It is not designed to emphasize one aspect of construction more than any other. This course assumes the student knows and wants to begin improving his/her understanding of the construction business.

CONSTRUCTION II P

[Career and Technical Education]

Course Code: 204810, 204820

Grade Level: 10, 11, 12

Prerequisite: Wood I and Construction I

Length: Two trimesters, repeatable

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: Construction II, is an overview of the construction trades, with integrated Geometry content. Students master measurement systems, safe use of hand and power tools, calculation and characteristics of materials, carpentry, framing, basic electrical wiring, plumbing, and site preparation. Coursework is project-based, developing teamwork and project management skills. The culminating project is a house that will include: concrete/masonry, framing, electrical, plumbing, and finish work. Students demonstrate responsibility for personal, occupational safety on the job site and have the opportunity to obtain OSHA cards certifying their competence.

MATHEMATICS DEPARTMENT

ALGEBRA I P

[Mathematics]

Course Code: (SLOHS) 210210, 210220, 210230

Grade Level: 9, 10, 11, 12

Prerequisite: Math 8 or Math 8 ACC

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: Instruction will focus on four critical areas: (1) deepen and extend understanding of linear and exponential relationships; (2) contrast linear and exponential relationships with each other and engage in methods for analyzing, solving, and using quadratic functions; (3) extend the laws of exponents to square and cube roots; (4) apply linear models to data that exhibit a linear trend.

HIGH SCHOOL GEOMETRY

[Mathematics]

Course Code: 210810, 210820

Grade Level: 10, 11, 12

Prerequisite: Algebra I P or Algebra I - Course 2 P

Length: Two trimesters

Description: This course contains the California Mathematics Content Standards for geometry but is designed especially for students that would benefit from a hands-on developmental approach to learning geometrical concepts.

GEOMETRY P

[Mathematics]

Course Code: 211910, 211920, 211930

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I P

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: Geometry is the second course in a five-year sequence of college preparatory mathematics courses that starts with Algebra I and continues through Calculus. Geometry aims to formalize and extend the geometry that students have learned in previous courses. It does this by focusing on establishing triangle congruence criteria using rigid motions and formal constructions, building a formal understanding of similarity based on dilations and proportional reasoning, developing the concepts of formal proof, exploring the properties of two and three dimensional objects, working within the rectangular coordinate system to verify geometric relationships, proving basic theorems about circles, and using the language of set theory to compute and interpret probabilities for compound events.

GEOMETRY H

[Mathematics]

Course Code: 212510, 212520, 212530

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I P (Recommended Grade of B- or better in Algebra I)

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: Geometry H is the second course in a rigorous sequence of college preparatory mathematics courses that start with Algebra I. The fundamental objective is to formalize and extend the geometry that students have learned in previous courses. Students will deepen their understanding of geometric relationships and explore geometric situations using formal mathematical arguments. Topics covered include: congruence, similarity, right triangle trigonometry, transformations, circles, geometric measurement and dimensions, solids, modeling with geometry, coordinate geometry, geometric constructions, formal geometric proofs and using the language of set theory to compute and interpret probabilities of compound events. Formal direct and indirect proofs are used to develop a deep understanding of both

Euclidean and transformational Geometry. Concepts are explored at a deeper level than in Geometry P.

ALGEBRA II P

[Mathematics]

Course Code: 212410, 212420, 212430

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I and Geometry (P or H)

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: Algebra II is the third course in a five-year sequence of rigorous college preparatory mathematics courses that starts with Algebra I and continues through Calculus. Algebra II aims to apply and extend what students have learned in previous courses by focusing on finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, modeling periodic phenomena with trigonometry, and understanding the role of randomness and the normal distribution in making statistical conclusions.

ALGEBRA II H

[Mathematics]

Course Code: 212810, 212820, 212830

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra I and completion of or concurrent enrollment in Geometry (P or H). (Recommended Grade of B- or better in both Algebra I and Geometry (P or H).

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: Algebra II H is the third course in a sequence of rigorous college preparatory mathematics courses that start with Algebra I. The fundamental objective is to formalize and extend the mathematics that students have learned in Algebra I and lay the foundation for future advanced mathematics courses. Students will learn the structure and the properties of the complex number system and its operations and develop the algebraic skills needed for the modeling and solving of quantitative problems that arise in real life, science and business using polynomial, rational, radical, logarithmic, and trigonometric functions. Topics include: finding connections between multiple representations of functions, transformations of different function families, finding zeros of polynomials and connecting them to graphs and equations of polynomials, further investigation of conic sections, modeling periodic phenomena using trigonometry to include trigonometric identities and equations, and understanding the role of randomness and the normal distribution in making statistical conclusions. Concepts are explored at a deeper level than Algebra II P.

PRECALCULUS P

[Mathematics]

Course Code: 211710, 211720

Grade Level: 9, 10, 11, 12

Prerequisite: Algebra II P or Algebra II H

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: This course develops the concepts and properties of the periodic trigonometric functions and their inverses with a more advanced, in-depth analysis: circular functions, periodicity and the graphing of the sine function and its variants, radian and degree measurement of angles, polar and rectangular coordinate systems, trigonometric identities, the graphing of polar and parametric functions, the conic sections of hyperbola, ellipse and parabola, the Law of Sines and the Law of Cosines, the complex number system in rectangular and polar form and the graphical analysis of rational polynomial functions.

PRECALCULUS H

[Mathematics]

Course Code: 211810, 211820

Grade Level: 11, 12

Prerequisite: Algebra II P with a grade of "A" or "B" or teacher recommendation, Algebra II H is recommended.

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement; UC/CSU approved for weighted grade credit

Description: This course develops the concepts and properties of the periodic trigonometric functions and their inverses with a more advanced, in-depth analysis: circular functions, periodicity and the graphing of the sine function and its variants, radian and degree measurement of angles, polar and rectangular coordinate systems, trigonometric identities, the graphing of polar and parametric functions, the conic sections of hyperbola, ellipse and parabola, the Law of Sines and the Law of Cosines, the complex number system in rectangular and polar form and the graphical analysis of rational polynomial functions.

AP CALCULUS AB

[Mathematics]

Course Code: 212210, 212220

Grade Level: 10, 11, 12

Prerequisite: Pre-Calculus P or Pre-Calculus H with a grade of "A" or "B" or teacher recommendation

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: This is a course designed for students who plan to major in mathematics, science, or engineering at a college or university. The course will provide each student with a thorough understanding of differential and integral calculus as outlined by the College Board for Calculus AP. This course will weave together arithmetic, algebra, geometry, trigonometry, and problem solving as they apply to the study of calculus.

CALCULUS AP SEMINAR - AB

Course Code: 212230

Grade Level: 10, 11, 12

Prerequisite: AP Calculus A and B with a grade of "B" or better.

Length: One trimester

Description: This is a course designed for students who plan to take the AP test and would like to learn additional calculus topics not covered in the standard AP-AB course. The additional material will better prepare students for more advanced topics found in a University calculus course.

AP CALCULUS BC

[Mathematics]

Course Code: 212110, 212120

Grade Level: 11, 12

Prerequisite: AP Calculus AB

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirement

Description: Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics covered in Calculus AB plus additional topics. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB.

CALCULUS AP SEMINAR - BC

Course Code: 212130

Grade Level: 11, 12

Prerequisite: AP Calculus BC A and B with a grade of "B" or better

Length: One trimester

Description: This is a course designed for students who plan to take the AP test and would like to learn additional calculus topics not covered in the standard AP-BC course. The additional

material will better prepare students for more advanced topics found in a University calculus course.

AP STATISTICS

[Mathematics]

Course Code: 212310, 212320

Grade Level: 11, 12

Prerequisite: Algebra II P or Algebra II H

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (c) Mathematics requirements

Description: Statistics AP is a project-centered course that acquaints students with the major concepts and tools for collecting, organizing, and analyzing data. Students will then draw conclusions from their analyses.

In this course, students will be calculating probabilities, summarizing distributions of univariate data, studying random variables and sampling distributions. They will be comparing distributions of data, utilizing confidence intervals, calculating standard deviation and variance, utilizing the Normal distribution and Chebyshev's Theorem, creating data analyses. Students will be designing experiments, testing hypotheses, comparing two means in two sample statistics, utilizing least squares regression in simple linear regression models, and reporting their findings.

Students will frequently work on projects involving the hands-on gathering and analysis of real world data. Computers and calculators will allow students to focus in-depth, applying their knowledge of concepts involved in their statistical studies. This course prepares students for the Advanced Placement Examination in Statistics. Students will be prepared with all content knowledge prior to the examination. Time remaining after the exam will be dedicated to a large culminating project including references, data collection, and good sampling techniques. Their projects will contain an appropriate, thorough statistical analysis. Students present their projects to the class as part of their project grade.

STATISTICS AP SEMINAR

Course Code: 212330

Grade Level: 11, 12

Prerequisite: AP Statistics, A and B

Length: One trimester

Description: This course is designed to ready students for the AP Statistics Exam. Topics covered include: exploring data, planning a study, anticipating patterns, and statistical inference.

APPLIED MATHEMATICS

[Mathematics]

Course Code: 214110, 214120

Grade Level: 12

Prerequisite: High School Geometry or Geometry P; Students who have passed Algebra II with a "C" grade or higher are not eligible for this course.

Length: Two trimesters

Description: Applied Mathematics is designed for students who are planning to enter the workforce or to attend a trade school after graduation from high school. This course focuses on refinement of mathematical skills in job-related areas such as: general agriculture and agribusiness, business and marketing, health occupations, home economics, and industrial technology. There is also a unit on consumerism in which students practice managing money in checking accounts, investment accounts, and credit cards, as well as calculating their income taxes.

MUSIC DEPARTMENT

GUITAR I P

[Visual/Performing Arts]

Course Code: 220100

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Completing Guitar I and II meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: This course develops the physical skills necessary to play beginning level guitar music accurately and with good tone quality, develops skills in reading music notation, and develops an understanding of the historical significance of the guitar and its literature. This course also provides an understanding of musical elements and how they apply to the music played and heard.

GUITAR II P

[Visual/Performing Arts]

Course Code: 220200

Grade Level: 9, 10, 11, 12

Prerequisite: Guitar I

Length: One trimester

College Entrance: Completing Guitar I and II meets one year of the UC/CSU (f) Visual and Performing Arts requirement.

Description: Students will be instructed in how to play a variety of chord patterns, 12-bar-blues; barre chords; read music notation and tablature; play scales; recognize key signatures, fingerpick; improvise; build a varied repertoire of songs to perform. They will be required to write a research paper on an individual who has made a career in music.

GUITAR III

[Visual/Performing Arts]

Course Code: 220300

Grade Level: 9, 10, 11, 12

Prerequisite: Guitar I and II

Length: One trimester

Description: Students will play guitar in small ensembles with one person on each part. They will arrange songs, compose chord progressions and integrate these skills for performance. They will further develop their guitar-playing skills, technique and understanding of music theory. They will be required to write a research paper on a specific style of music.

BEGINNING BAND

[Visual/Performing Arts]

Course Code: 221210, 221220

Grade Level: 9, 10, 11

Prerequisite: None

Length: Two trimesters

Description: The major emphases of this course are to learn to play a band instrument, to develop skills necessary to play beginning level music accurately with good tone quality, to read musical notation, and to provide performance opportunities.

SYMPHONIC BAND I P

[Visual/Performing Arts]

[Career and Technical Education]

Course Code: 221610, 221620, 221630

Grade Level: 9, 10, 11, 12

Prerequisite: Participation in Middle School Band or experience playing an instrument. If a student does not have any band experience, please discuss enrollment with the instructor to ensure proper placement.

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course explores a variety of styles and genres through

the rehearsal and performance of symphonic band literature. Students gain an appreciation of music as an art form and develop the skills necessary to pursue a variety of careers in professional music. This course includes music theory and performance as well as the study of historical and contemporary music with a focus on music careers.

SMYPHONIC BAND II P

[Visual/Performing Arts]

Course Code: 221710, 221720, 221730

[Career and Technical Education]

Grade Level: 10, 11, 12

Prerequisite: Symphonic Band I

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course explores a variety of styles and genres through the rehearsal and performance of challenging symphonic band literature, and is considered the intermediate level of our CTE Pathway. Students gain an appreciation of music as an art form and develop the skills necessary to pursue a variety of careers in professional music. This course includes music theory and performance as well as the study of historical and contemporary music with a focus on music careers.

JAZZ /STAGE BAND P

[Visual/Performing Arts]

Course Code: 221410, 221420, 221430

Grade Level: 9, 10, 11, 12

Prerequisite: Audition, consent of teacher, and concurrent enrollment in Band 9-12 P

Length: Three trimesters, repeatable

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: This course provides musical training in jazz, Latin, blues, rock, and improvisation. Emphasis is on performing skills.

JAZZ BAND H

[Visual/Performing Arts]

Course Code: 221910, 221920, 221930

Grade Level: 9, 10, 11, 12

Prerequisite: Audition, consent of teacher, and concurrent enrollment in Band 9-12 P

Length: Three trimesters

College Entrance: Pending approval of UC/CSU (f) Visual and Performing Arts requirement

Description: Honors level Jazz Band approaches the instrumental jazz curriculum as a college preparatory course of study. Standards of individual instrumental technique as performed with a jazz ensemble are at the highest level. Advanced level jazz literature, advanced jazz theory, jazz history, and cultural relationships are the foundations of this course. Performances and any rehearsals, festivals, and workshops during after school hours are required

WIND ENSEMBLE H

[Visual/Performing Arts]

Course Code: 222010, 222020

[Career and Technical Education]

Grade Level: 9, 10, 11, 12

Prerequisite: Audition Required

Length: Two trimesters

College Entrance: SLOHS - Pending approval of UC/CSU (f) Visual and Performing Arts requirement

Description: Wind Ensemble Honors is a select a group of advanced instrumental musicians who have auditioned and been selected to participate in this ensemble. Special emphasis is placed on solo and chamber performances as well as regular Symphonic rehearsal and performance, where students will take a leadership role. Students accepted into this ensemble will be expected to expand their mastery of music theory, music history and analysis, and write a research paper. These students will also be expected to take private lessons on their instrument, either with a local private instructor or in the group lesson setting at the school site.

CONCERT CHOIR I P

Course Code: 223610, 223620, 223630

Grade Level: 9, 10, 11, 12

Prerequisite: Audition/teacher recommendation

Length: Three trimesters

College Entrance: Pending approval of UC/CSU (f) Visual and Performing Arts requirement

Description: Concert Choir I is an intermediate through advanced choral music class. Students must be able to match pitch accurately, and sing with sensitivity and skill. This ensemble will give some outside performances for the general public, perform in school assemblies, and also participate in selected festivals for adjudication. As in all choral-performing classes, the emphasis in Concert Choir I is ongoing musical development including choral tone, and a multitude of various choral characteristics.

[Visual/Performing Arts]
[Career and Technical Education]

CONCERT CHOIR II

Course Code: 223710, 223720, 223730

Grade Level: 9, 10, 11, 12

Prerequisite: Audition/teacher recommendation

Length: Three trimesters

College Entrance: Pending approval of UC/CSU (f) Visual and Performing Arts requirement

Description: Concert Choir II provides intermediate through advanced instruction in choral music. This ensemble will give some outside performances for the general public, perform in school assemblies, and also participate in selected festivals for adjudication. Students will develop a knowledge of industry terms, career paths, and skills required for success in instrumental music careers. Emphasis will be placed on participation in performances, rehearsal, directing peers through student leadership roles, performance evaluation, and audition preparation.

[Visual/Performing Arts]
[Career and Technical Education]

CHAMBER SINGERS P

Course Code: 223310, 223320, 223330

Grade Level: 10, 11, 12

Prerequisite: Treble Choir P or Bass Choir P and audition and consent of teacher

Length: Three trimesters, repeatable

College Entrance: Meets one year of UC/CSU (f) Visual and Performing Arts requirement

Description: Chamber Singers P strives to develop singing skills as students' study and perform standard high school and college choral literature. There are many outside performances. As in all choral-performing classes, the emphasis in Chamber Singers P is on ongoing musical development. Students in this ensemble, as a general rule, have had a good deal of singing experience, so the focus is on further developing singing technique, performance practices, and form and style as it relates to a varied repertoire, representing all facets of musical history.

[Visual/Performing Arts]

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION – COURSE 1

Course Code: 240110, 240120

Grade Level: 9

Prerequisite: None

Length: Two trimesters

Description: The primary content of this course will include instruction in the following: rhythms and dance, aquatics, combatives, recreational games, and individual and dual activities. Students will develop a personal physical fitness plan.

Physical Education]

PHYSICAL EDUCATION – COURSE 2

Physical Education]

Course Code: 241110, 241120

Grade Level: 10, 11, 12

Prerequisite: Physical Education – Course 1

Length: Two trimesters, repeatable

Description: The primary content of this course will include instruction in the following: team activities, physical fitness, combatives, and gymnastics/tumbling. Students will develop a personal physical fitness plan

ELECTIVES IN PHYSICAL EDUCATION THESE COURSES WILL NOT TAKE THE PLACE OF THE REQUIRED PHYSICAL EDUCATION COURSES.

ADVANCED RACQUET SPORTS

Course Code: 260100

Grade Level: 10, 11,12

Prerequisites: None

Length: One trimester, repeatable with instructor approval

Description: This course will include advanced techniques and skill development in tennis, badminton, table tennis, paddleball and aerial tennis.

LIFETIME SPORTS

Course Code: 241300

Grade Level: 11,12

Prerequisites: None

Length: One trimester, repeatable with instructor approval

Description: Lifetime Sports is a high school course for both boys and girls who wish to participate in physical activities that can be pursued throughout one's lifetime. Students will learn the safety guidelines, basic techniques, and rules for a variety of games. Emphasis in this class will be on development of a spirit of cooperation, good sportsmanship, and understanding the relevance between physical activities and improved health.

WEIGHT TRAINING

Course Code: 260600

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester repeatable with teacher approval

Description: This course is designed to provide physical fitness education with an emphasis on conditioning through weight-bearing exercise, and improvement of overall fitness through specialized equipment and techniques.

YOGA/CYCLING

Course Code: 241200

Grade Level: 9, 10, 11, 12

Prerequisite: None

Length: One trimester, repeatable

Description: This is a science-based exploration of the body, mind, and self through the exercise system of yoga and cycling. These activities will help the student build fitness, health, and personal responsibility. Yoga and cycling serve to help students be physically fit, learning-ready, self-aware, and self-confident. This course aligns with the National and State Standards for Physical Education, six National Standards of Excellence, and eight National Health Standards.

PHYSICAL EDUCATION - ATHLETICS

THESE COURSES MAY BE TAKEN FOR ELECTIVE P.E. CREDIT ONLY. THEY CAN NOT BE TAKEN TO MEET THE PHYSICAL EDUCATION GRADUATION REQUIREMENT.

PHYSICAL EDUCATION - ATHLETICS - BASEBALL

Course Code: 250100

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic baseball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for baseball.

PHYSICAL EDUCATION - ATHLETICS - BASKETBALL

Course Code: 250200M, 250300F

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic basketball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for basketball.

PHYSICAL EDUCATION - ATHLETICS - CROSS COUNTRY

Course Code: 250400

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to compete in interscholastic cross country. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, individual training, and race techniques.

PHYSICAL EDUCATION - ATHLETICS - FOOTBALL

Course Code: 250500

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic football. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for football.

PHYSICAL EDUCATION - ATHLETICS - GOLF

Course Code: 250600M, 250700F

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic golf. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for golf.

PHYSICAL EDUCATION - ATHLETICS - SOCCER

Course Code: 250800M, 250900F

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic soccer. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for soccer.

PHYSICAL EDUCATION - ATHLETICS - SOFTBALL

Course Code: 251000

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic softball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for softball.

PHYSICAL EDUCATION - ATHLETICS - SWIMMING AND DIVING

Course Code: 251100

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic swimming and diving. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for swimming and diving.

PHYSICAL EDUCATION - ATHLETICS - TENNIS

Course Code: 251200M, 251300F

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic tennis. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for tennis.

PHYSICAL EDUCATION - ATHLETICS - TRACK AND FIELD

Course Code: 251400

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic track and field. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for track and field.

PHYSICAL EDUCATION - ATHLETICS - VOLLEYBALL

Course Code: 251500M, 251600F

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic volleyball. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for volleyball.

PHYSICAL EDUCATION - ATHLETICS - WATERPOLO

Course Code: 251700M, 251800F

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic water polo. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for water polo.

PHYSICAL EDUCATION - ATHLETICS - WRESTLING

Course Code: 252400

Grade Level: 9, 10, 11, 12

Prerequisite: Approval of coach

Length: One trimester, repeatable with consent of teacher

Description: This course is for athletes who have made a commitment to play interscholastic wrestling. During the season, the focus will be on organized team practice, which continues beyond the timeframe of the period. The "out of season" focus will be on conditioning, sports injuries, and individual skills for wrestling.

SCIENCE DEPARTMENT

BIOLOGY P

[Life Science]

Course Code: 291310, 291320

Grade Level: 9,10, 11, 12

Prerequisite: None

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course emphasizes biological processes from cells to organisms to ecosystems. Students will be actively engaged in laboratory investigations, concept activities and projects. A major part of the course involves learning the scientific method through research and experimental technique. A research paper and long-term experiment may be required.

CHEMISTRY P

[Physical Science]

Course Code: 292110, 292120

Grade Level: 10, 11, 12

Prerequisite: Biology P or Agricultural Biology P or recommendation from previous science teacher

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course is a quantitative and qualitative description of matter, energy, and how chemical processes help drive the Earth system. Topics include atomic structure, chemical reactions, combustion, energy and heat in the Earth system, chemistry of climate change, and the dynamics of chemical reactions in ocean acidification. Students are expected to apply critical thinking skills to complex problems. Lab work is required.

AP CHEMISTRY**[Physical Science]***Course Code:* 292310, 292320*Grade Level:* 11,12*Prerequisite:* Biology P or Agricultural Biology P and Chemistry P or Chemistry and Agriscience P*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement*Description:* This course is a quantitative and qualitative description of matter and energy and the transformations between them. Topics include the structure of matter, electron configurations, bonding, nuclear chemistry, states of matter, solutions, reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. The course cannot cover all aspects of chemistry that are on the Advanced Placement (AP) test. Independent work by the student will be necessary to gain a top score on the AP test. Successful completion of the course should adequately prepare you to pass the Chemistry AP test in May, and prepare you for a second year college course.**CHEMISTRY AP SEMINAR***Course Code:* 292330*Grade Level:* 11,12*Prerequisite:* AP Chemistry A and B with a grade of "B" or better*Length of Course:* One trimester*Description:* This course is designed to help the students get a top score on the AP test given in May. Topics include the structure of matter, electron configurations, bonding, nuclear chemistry, states of matter, solutions, reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. A great deal of lab work and computer work on APEX learning will take place.**PHYSICS P****[Physical Science]***Course Code:* 293110, 293120*Grade Level:* 11, 12*Prerequisite:* Chemistry P or Chemistry H or AP and concurrent enrollment in Pre-Calculus P or Pre-Calculus H recommended*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement*Description:* Students in this course will study mechanics, energy, waves, heat, and electricity. This class emphasizes critical thinking and problem-solving as applied to the physical world. Lab work and projects are integral components of this course.**AP PHYSICS 1****[Physical Science]***Course Code:* 293310, 293320*Grade Level:* 11, 12*Length of Course:* Two trimesters*Prerequisite:* Pre-Calculus, prior or concurrent enrollment in Calculus or written approval by instructor*College Entrance:* Meets one year of UC/CSU (d) Laboratory Science requirement*Description:* AP Physics 1 is a non-Calculus-based physics course that investigates kinematics, forces, mechanical energy, rotational motion, gravitation, and oscillatory motion. Students will primarily focus on learning the AP Physics 1 objectives. However, additional non-AP topics (at less depth) will also be included: electricity and magnetism, optics, and special STEM projects**PHYSICS 1 AP SEMINAR***Course Code:* 293330*Grade Level:* 11, 12*Length of Course:* One trimester*Prerequisite:* AP Physics 1 A & B

Description: This course is designed to support AP Physics 1 students in successfully passing the AP Physics Exam in May. Topics covered include Newtonian mechanics, waves and their interactions, electrostatics, and basic circuitry.

MICROBIOLOGY/MARINE BIOLOGY P

[Life Science]

Course Code: 295110, 295120

Grade Level: 11, 12

Prerequisite: Biology P or Agricultural Biology P and Chemistry P or Chemistry and Agriscience P

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (d) Laboratory Science requirement

Description: This course acquaints students with the major microbiological and marine organisms, including bacteria, algae, invertebrates, and fish. Students will learn the structure and function of the organisms and how they affect our world. Classroom activities will promote technical lab competence and utilize the scientific process of research and reporting.

ASTRONOMY P

Course Code: 300200

Grade Level: 10, 11, 12

Prerequisite: Biology P or Agricultural Biology P

Length: One trimester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: This is a science elective course intended for students with an interest in astronomy and celestial observations. The course will give the students a more in-depth look at the areas of early cosmological models, astrophysics, telescopes, solar systems, and universe and cosmic evolution.

ENVIRONMENTAL SCIENCE P

Course Code: 296110, 296120

Grade Level: 11, 12

Prerequisite: Biology P or Agricultural Biology P with a "C" or better

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement and meets UC/CSU (d) Laboratory Science requirement

Description: This course provides an objective overview of physical and biological processes affecting the environment and an exploration of current environmental issues. Topics will include earth system cycles, population and community ecology, energy, and resource management. Case studies will be used to connect the curriculum to industry, transportation, development, energy consumption, and politics.

SOCIAL SCIENCE DEPARTMENT

WORLD HISTORY, CULTURE AND GEOGRAPHY: THE MODERN WORLD P

Course Code: 321110, 321120

[World History]

Grade Level: 10

Prerequisite: None

Length: Two trimesters

College Entrance: This course is designed to examine major turning points in the shaping of the modern world from the Enlightenment to Post World War II. Focus is made on democratic ideals, revolutions and the world wars as they shaped and fostered growing interdependence of peoples and cultures throughout the world.

AP EUROPEAN HISTORY**[World History]***Course Code:* 321310, 321320*Grade Level:* 10*Prerequisite:* Teacher recommendation*Length:* Two semesters*College Entrance:* Meets one year of UC/CSU (a) History/Social Science requirement

Description: This course is designed to be the equivalent of a two-semester introductory college or university European History course. Students will investigate significant events, individuals, developments and processes in four historical periods from approximately 1450 to the present. It will develop and use the same skills, practices and methods employed by historians: analyzing historical evidence, contextualization, comparison, etc. Students explore six themes throughout the course that encourages them to make connections among historical developments in different times and places. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

EUROPEAN HISTORY AP SEMINAR*Course Code:* 321330*Grade Level:* 10*Prerequisite:* Completion of AP European History*Length:* One trimester

Description: The European History AP Seminar will continue in a format similar to the prior two trimesters, focusing on analytical skills and factual knowledge. This course will also focus on review of prior units, test preparation, and enrichment. Before the AP exam is given in May, this course will prepare students through not just a review of the course materials, but through practice and timed essay writing and multiple choice question strategies.

U.S. HISTORY AND GEOGRAPHY P**[U.S. History]***Course Code:* 322110, 322120*Grade Level:* 11*Prerequisite:* None*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (a) History/Social Science requirement

Description: This course is designed with a selective review of American history from the Founding of the Nation to 9/11. First semester studies the larger themes of US Founding; Civil War and Reconstruction; Immigration, Industrialization and Progressivism; US Imperialism; the 1920's and the Great Depression. Second semester studies the larger themes of WWII; Cold War; Civil Rights Movement; Vietnam and Counterculture Movement; Modern Day Issues. Students focus on the social, political, and economic effects of these issues as well the effects on disadvantaged social groups.

AP U.S. HISTORY**[U.S. History]***Course Code:* 322310, 322320*Grade Level:* 11*Prerequisite:* Teacher recommendation*Length:* Two trimesters*College Entrance:* Meets one year of UC/CSU (a) History/Social Science requirement

Description: This course is designed to be the equivalent of a two-semester introductory college or university U.S. History course. Students will investigate significant events, individuals, developments and processes in nine historical periods from approximately 1491 to the present. It will develop and use the same skills, practices and methods employed by historians: analyzing primary and secondary sources, making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time, etc. Students will explore seven themes throughout the course that encourages

them to make connections among historical developments in different times and places. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

U.S. HISTORY AP SEMINAR

Course Code: 322330

Grade Level: 11

Prerequisite: Prior two trimesters of AP U.S. History

Length: One trimester

Description: The United States History Seminar AP course will provide students with both a comprehensive review of U.S. History, and a series of practice strategies in preparation for the Advanced Placement exam offered in May. Students will practice multiple-choice questions, document-based essay questions (DBQ), and free-response essay questions (FRE) with a view to scoring high enough on the exam to earn advanced placement college credit.

AMERICAN GOVERNMENT P

[American Government]

Course Code: 323100

Grade Level: 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one semester of UC/CSU (a) History/Social Science requirement

Description: This course is designed to explore the origins, development, structure, and functions of the U.S. Federal Government. Topics include the constitutional framework; federalism; the three branches of government, including the bureaucracy; civil rights and liberties; political participation and behavior; and policy formation. Upon completion, students should be able to demonstrate an understanding of the basic concepts and participatory processes of the American political system. Basic concepts of state and local government and their relationships with the federal government are also examined.

AP GOVERNMENT AND POLITICS: UNITED STATES

[American Government]

Course Code: 323200

Grade Level: 12

Prerequisite: Teacher recommendation

Length: One trimester

College Entrance: Meets one semester of UC/CSU (a) History/Social Science requirement

Description: AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

GOVERNMENT AND POLITICS: US/ECONOMICS AP SEMINAR

Course Code: 323600

Grade Level: 12

Prerequisite: AP Government and Politics: US and AP Macroeconomics

Length: One trimester

Description: The Government and Politics: US/Economics AP Seminar will continue in a similar format to the prior courses in Economics AP and Government AP, focusing on analytical skills and factual knowledge. This course will also focus on review of prior units, test preparation, and enrichment. Before the AP exam is given in May, this course will prepare students through

not just a review of the course material, but through practice and timed essay writing and multiple choice question strategies.

ECONOMICS P

[Economics]

Course Code: 323300

Grade Level: 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: Economics is the study of how people choose to use resources. Using that as a starting point, students will explore the operations and institutions of economic systems, as well as studying basic economic concepts, government involvement through taxes, individual and corporate economic behavior, global economic concepts, and personal finance.

AP MACROECONOMICS

[Economics]

Course Code: 323500

Grade Level: 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. At the end of the course, students are strongly encouraged to take the AP Exam; this may result in the earning of college credits.

AP MICROECONOMICS

[Economics]

Course Code: SLOHS: 323400

Grade Level: 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: This course gives students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The course will explore competition and its role in promoting greater free market efficiency as well as analyze free market failures and how to fix them. It places primary emphasis on the nature and functions of product markets, factor markets, and of the role of government in promoting greater efficiency and equity in the economy. At the end of the course, qualified students may take the Microeconomics AP test.

ELECTIVES IN SOCIAL SCIENCE

**THESE COURSES WILL NOT TAKE THE PLACE
OF THE REQUIRED SOCIAL SCIENCE COURSES.**

PSYCHOLOGY P

Course Code: 331100

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: Psychology is the scientific study of the way the human mind works and how it influences behavior. This one semester course acts as an introduction to the field of psychology, and will include the study of topics such as: identity and personality, human development, learning, motivation, emotions, altered states of consciousness. Students will have the opportunities to explore scientific perspectives on human behavior and learn about various careers associated with this field of study.

SOCIOLOGY P

Course Code: 331200

Grade Level: 10, 11, 12

Prerequisite: None

Length: One trimester

College Entrance: Meets one semester of UC/CSU (g) Elective requirement

Description: Sociology is essentially the study of human behavior and social structures. In this one semester course, we will examine social phenomenon from an academic perspective looking for patterns of social interaction and how those interactions influence human behavior. Topics include, but are not limited to, race and ethnicity, religion, family, deviance and crime, and culture. Through a variety of methods, students will explore different sociological ideas from an educative perspective in order to develop their own social perspectives and critical thinking skills.

CRIMINAL JUSTICE OCCUPATIONS

[Career and Technical Education]

Course Code: 287310, 287320

Grade Level: 11, 12

Prerequisite: None

Length: Two trimesters

Description: This course is designed to develop an awareness of and preparation for a variety of Criminal Justice System Occupations. Emphasis is placed on the development of attitudes, skills, and competencies related to these various occupations. Classroom instruction covers such topics as: 1) overview of the criminal justice system, 2) Constitutional and criminal law, 3) police department organization and procedures, 4) report writing, 5) judicial system, 6) correctional system, 7) crime prevention, and 8) career opportunities. In addition to the classroom instruction, students will be provided on-the-job training in community classrooms in a variety of positions in local enforcement agencies (e.g., Police Department, County Sheriff Department, District Attorney's Office, Probation Department, and Public Defender's Office). Throughout the course, students' writing skills and ability to deal with people will be stressed.

SPECIAL EDUCATION DEPARTMENT

SPECIAL EDUCATION - INTERVENTION, MODIFIED, ALTERNATIVE

Intervention: General Education content offered in this course that is taught by a Special Educator with some modification to the General Education curriculum

Modified: General Education course content offered in this course that is taught by a Special Educator with significant modification to the General Education curriculum

Alternative: Alternative curriculum taught by a Special Educator

Course Code: Various/selected by counselor

Grade Level: 9, 10, 11, 12

Description: We offer a wide variety of courses at different levels of intensity (**Intervention, Modified and Alternative**) to address specific student IEP goals as well as to support high school graduation requirements and college and career readiness. **Please take note that core Special Education courses including English, math, social science, or science do not meet the UC/CSU "a-g" eligibility for a 4-year college bound student, but do meet**

eligibility for entrance into a community college in California. All students with an IEP are assigned a Special Education IEP Manager who works closely with the IEP team and school counselor to develop an appropriate student class schedule.

NON-DEPARTMENTAL REQUIRED COURSE

HEALTH AND FAMILY LIVING P

[Health]

Course Code: 230000

[Career and Technical Education]

Grade Level: 9

Prerequisite: None

Length: One trimester

College Entrance: Meets 1 semester of UC/CSU (g) Elective requirement

Description: This is an activity-based course aligned with the California State Framework. The student will learn how to make healthy personal choices related to the six components of overall health and wellness. The class will include injury prevention and first aid, human body systems and their functions, abstinence and building responsible relationships, pregnancy prevention, sexually transmitted infections, alcohol and drug education, and consumer and community health.

NON-DEPARTMENTAL ELECTIVE COURSES

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) I P

Course Code: 236110, 236120

Grade Level: 9

Prerequisite: Between 2.0 and 3.25 GPA; average or above standardized test scores, especially in math; enrollment in Algebra or higher; student interview; high student motivation; positive attitude, parent contract, first in family to attend college

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: This course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of student meeting the “a-g requirements” of UC/CSU, students will learn strategies to enhance their academic success. To ensure success in rigorous college-prep course work, students will work individually, as well as in tutor-led collaborative groups. Note taking, outlining, writing, speaking, reading, test-taking strategies, collaborative work, and self-awareness are stressed. In addition, the course includes college motivational activities such as college field trips, guest speakers from the professional world, etc. The AVID curriculum focuses on writing, inquiry, collaboration, and reading strategies (WICR).

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) II P

Course Code: 236210, 236220

Grade Level: 10

Prerequisite: Between 2.0 and 3.0 GPA; average or above standardized test scores, especially in math; enrollment in Algebra or higher; student interview; high student motivation; positive attitude, parent contract, first in family to attend college. Enrollment in AVID during the 9th grade year.

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: This course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance

success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) III P

Course Code: 236310, 236320

Grade Level: 11

Prerequisite: Between 2.0 and 3.0 GPA; average or above standardized test scores, especially in math; enrollment in Algebra or higher; student interview; high student motivation; positive attitude, parent contract, first in family to attend college. Enrollment in AVID during the 10th grade year.

Length: Three trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: This course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID) IV P

Course Code: 236410, 236420

Grade Level: 12

Prerequisite: Previous enrollment in AVID lower-level courses for three years

Length: Two trimesters

College Entrance: Meets one year of UC/CSU (g) Elective requirement

Description: This course is the culmination of a student's years in the AVID program. The course involves substantial critical reading and writing, preparation for external exams such as Advanced Placement and International Baccalaureate, and weekly Socratic seminars. Students enrolled in this course are required to complete weekly time writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. Senior Seminar students, working with their tutors, are expected to participate in and eventually act as moderators for Socratic seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the degree necessary for success in college.

DRILL TEAM

Course Code: 230110, 230120

Grade Level: 9, 10, 11, 12

Prerequisite: Consent of teacher

Length: Two trimesters (This elective course does not fulfill requirement for P.E.), repeatable

Description: Try-outs are held in the spring each year and students are invited to be a part of the class and team. The emphasis of the class is to learn and perform dancing and marching routines at all home football games and special events during the year. Drill Team performances require uniforms. No fees are imposed to pay for the cost of the uniform; however, donations will be accepted and student fundraising activities will be organized.

LEADERSHIP

Course Code: 231110, 231120, 231190

Grade Level: 9, 10, 11, 12

Prerequisite: Elected or appointed officers/commissioners as specified in Associated Student Body Constitution and approval of the principal's designee

Length: One trimester - appointed; Two trimesters - elected, repeatable

Description: Practical experience is gained through management of student government and activities. The course covers parliamentary procedures, state-school law, ASB finance, group discussion techniques, principles of leadership behavior, advance planning, and problem solving. This course will provide systematic training for students interested in developing skills and willing to help fellow students improve attendance, increase academic achievement, and improve attitudes about self and school. It will also provide student leadership experience, involve students in extracurricular activities, and include students in the decision-making process.

STUDY SKILLS 9-12

Course Code: 235000

Grade Level: 9, 10, 11, 12

Prerequisite: At-risk 9th grade students

Length: One trimester, repeatable

Description: This course provides at-risk students an opportunity to learn the necessary study skills for success at both the secondary high school level and for post secondary experiences, and to get tutorial assistance with core subject work. Students will be given instruction to: use time well in any environment, keep themselves organized for various circumstances, and learn strategies to be successful in a variety of situations. They will apply the learning to their current classes, class work, and extracurricular schedules. Enrollment is based on recommendations from the middle school staff using a variety of criteria: GPA, CST scores, academic history, etc.

LITERACY AND SUPPORT

Course Code: Various by grade level

Grade Level: 9-12

Prerequisite: None

Length: One trimester, repeatable

Description: This course is designed to supplement instruction in English/Language Arts and Mathematics by providing a focus on literacy and math skills. This course is aligned to components of the California Common Core State Standards (CaCCSS). This course will also address California High School Exit Exam (CAHSEE) preparation for English and Mathematics, as well as test taking and study skills.

WORK EXPERIENCE EDUCATION

Course Code: 232070, 232080

Grade Level: 12

Prerequisite: Approval of Work Experience Education Coordinator and counselor. Paid employment of at least 10 hours per week; the majority of those hours during the weekdays, Monday through Friday. Placement is prioritized according to the following: special education, economically disadvantaged, physically handicapped, special needs referred by counselor, and seniors whose course work is supportive of current employment.

Length: One trimester, repeatable

Description: The primary goal of Work Experience Education (WEE) is employment competency through the expansion and support of the high school curriculum. Through related classroom instruction and supervised part-time work experiences, students will learn how to adapt educational skills to general occupational and employability skills. Students will learn how to: retain a job, advance on the job, successfully move on to another job, manage money, and make decisions about future career plans.