

**CABRILLO HIGH SCHOOL**  
4350 Constellation Road  
Lompoc, California 93436  
Phone 805-742-2900  
FAX 805-742-2917

**Administration Building**  
7:15 A.M. - 3:45 P.M.

Principal .....	Mark Swanitz .....	742-2892
Assistant Principal .....	Madalyn Anderson.....	742-2891
Assistant Principal .....	Brian Grimnes.....	742-2890
Director of Athletics.....	Gary West.....	742-2905
Director of Activities .....	Michelle Poquette .....	742-2901
Lead Counselor.....	Brianne Jory .....	742-2850
Students A, B, C, D, J, Z		
Counselor .....	Paula Hannaford .....	742-2850
Students M, R, U, W		
Counselor .....	Tori Cavalli .....	742-2850
Students E, F, G, H, I, L, V		
Counselor .....	Angie Diaz.....	742-2850
EL Students, K, N, O, P, Q, S, T, X, Y		
Registrar .....		742-2886
Health Room .....		742-2914
Absence Reporting.....	leave message to report absence.....	742-2801
Attendance.....	to pick up students or talk to attendance ..	742-2800
Discipline .....		742-2890
<b>Library Building</b>		
Library: 7:15 A.M. - 3:30 P.M .....		742-2912
Textbooks: 7:15 A.M. - 3:15 P.M.....		742-2931

**Lompoc Unified  
School District**  
Education Center  
1301 North "A" Street  
Lompoc, California 93436-3516

8:00 A.M. - 4:30 P.M.

Superintendent .....	Trevor McDonald .....	742-3300
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## SCHOOL SERVICES

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Each student is assigned a counselor to help with educational, vocational, and personal planning. Your counselor will be happy to help you before or after school hours as well as during the school day.

To see your counselor, fill out a "Request to See Counselor" card in the Counseling Center. Your counselor will call you in as soon as possible. (If the matter is urgent, indicate this to the counseling secretary.) You need a call slip or permission from the teacher to be in the Counseling Office during assigned class time.

Students are assigned to counselors by students' last names:

**Brianne Jory**..... **A, B, C, D, J, Z**

**Paula Hannaford** ..... **M, R, U, W**

**Tori Cavalli**..... **E, F, G, H, I, L, V**

**Angie Diaz**..... **K, N, O, P, Q, S, T, X, Y & EL Students**

### COURSE SELECTION

It is the **responsibility** of all students to select the courses which will best meet their educational needs and will enable them to meet the graduation requirements of the Lompoc Unified School District (see minimum Graduation Requirements, pg. 9).

PARENTS WHO WISH ADDITIONAL INFORMATION AND ASSISTANCE WITH EDUCATIONAL PLANNING ARE URGED TO CONTACT THE STUDENT'S COUNSELOR AND ARRANGE FOR A CONFERENCE (742-2850). Remember, teachers can also furnish excellent advice regarding course selections in their subject fields.

### COURSE AVAILABILITY

It is very important that students complete course selection worksheets promptly, meet their counseling appointments, and make use of the information available to help them make wise choices. Student course selections determine, to a great extent, how many sections of a course are provided, or if the course is offered at all. Some elective courses may be filled before the scheduling process is completed, with the result that some students may not be scheduled. Therefore, it is important that students have alternative courses planned. Students will be computer-scheduled. Certain teachers may not be requested and order of classes is not guaranteed.

### CLASS SCHEDULE CHANGES

Requests to change a class after scheduling may be considered or denied on the basis of availability of other courses, class balance, educational reasons for the change, and potential disruption of the student's schedule. Any change in schedule must be made by the counselor. Few schedule changes will be made during the school year. Any course dropped after the first grading period of the term will result in a semester fail. (This includes dropping from honors to non-honors as well.) (Administrative Regulation 5121)

### SCHOOL DAY

A normal school day for pupils in grades 9-10 shall be seven class periods. A normal school day for 11-12 shall be at least six class periods if they are in good standing. Seniors may have two free periods second semester if they are in good standing. Students enrolling in Work Experience Education, or concurrent courses such as adult education or AHC courses, should refer to the course descriptions or check with their counselor regarding the minimum combination of regular and concurrent courses they can take.

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## **INCOMPLETE GRADES**

A mark of "Incomplete" will become an "F" if the work is not made up within ten school days after the end of each 6-week grading period, and the end of the first semester. Parents may ask for an extension from the assistant principal. (Policy 6152)

## **WITHDRAWAL FROM SCHOOL (Transfer)**

Please telephone the registrar, 742-2886, if you move during the summer. Bring a note to the registrar in the counseling department two days before leaving if you withdraw during the school year.

## **WITHDRAWAL FROM A CLASS WITHOUT TRANSFER TO ANOTHER LEVEL**

Withdrawals after the first 6 week grading period of either semester will automatically result in an "F" semester grade regardless of progress. Students who withdraw must have counselor and parent permission.(BP5121)

## **INDEPENDENT STUDY - SHORT-TERM**

The principal may determine whether it is in the best interest of a student to participate in a short-term independent study program. This assignment requires the signed consent and agreement of the school, the parent or guardian, and the student.

### **1. Definition**

Short-term independent study: an alternative, individualized short-term program of study to accommodate a pupil enrolled in a comprehensive elementary or secondary school who will be absent from school from five to 10 consecutive school days for grades 9-12. Approval of additional days are at the principal's discretion.

### **2. Purpose**

Short-term independent study allows students to complete academic requirements during a short-term absence (as defined above) during the regular school year. Reasons may include:

- a. Maintaining academic progress
- b. Self-study during an extended family vacation or another situation.

### **3. Limitations**

- a. A student on short-term independent study must fulfill course requirements consistent with those for students enrolled in the regular school program.
- b. The contract must require and define a study plan that represents not less than the equivalent of a minimum school day appropriate for the pupil's grade level for every school day covered.

## **SUMMER CLASSES (Pre - Grade 9)**

Classes taken prior to the start of the ninth grade will not count toward credits earned for high school graduation. An example of this will be summer school classes taken prior to the start of high school will not be entered on the Cabrillo High School transcript.

## **HOME SCHOOL**

Home school students must present a transcript from an accredited agency for those credits earned outside LUSD.

## **ALLAN HANCOCK COLLEGE**

If you took a "College Now" course at Allan Hancock College and would like that class to be on your official high school transcript, please have an official transcript sent to the CHS registrar's office, 4350 Constellation Rd. Lompoc, CA 93436 or you can come drop it off to the high school at the main office. Transcripts from AHC will not be added to your CHS transcript after January 15 of your senior.

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## **CREDITS**

Five credits are earned in single period semester courses. Double period semester courses provide ten credits. Students who are considering repeating a course in order to raise the previously earned grade will not receive additional credit must receive counselor permission before enrolling and in some cases elective credit only may be earned concurrently at Cabrillo High School and another institution such as Allan Hancock College, university; or in a summer session completed in another district. Credits from online sources must be from accredited institutions. Such credit may be granted ONLY if approved by the principal of Cabrillo High School PRIOR TO ENROLLMENT IN THE CLASS, and upon counselor recommendation. A Maximum of 45 credits per semester is allowable from all sources. Credit recovery options are very limited and students need to meet with the counselor to inquire about availability. All required graduation requirements must be placed into student's yearly schedule before students are allowed additional elective courses.

Cabrillo High School will accept the following translation for Allan Hancock credits:

- 3-unit AHC course = 10 Cabrillo High School elective credits
- 2-unit AHC course = 5 Cabrillo High School elective credits
- 1-unit AHC course = 0 Cabrillo High School elective credits

## **GRADE POINT AVERAGE (GPA)**

GPA calculations of grades are based on a 4.0 scale: A = 4.0, B = 3.0, C = 2.0, D = 1.0 and F = 0. Advanced Placement (AP), (H) courses and transferable college courses, (UC/CSU) will use a weighted grading scale of 1.0 per semester per class course.

## **TITLE IX STATEMENT**

Title IX of the Education Amendments of 1972 states that "No person shall... on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance."

Title IX concerns or complaints should be directed to the assistant principal of Cabrillo High School who is the school's Title IX Compliance Officer (742-2900). The Lompoc Unified School District Compliance Officer may be contacted by calling 742-3310.

**NON DISCRIMINATION** - All educational programs are open for enrollment without regard to race, color, national origin, sex, or handicap.

## **STATE CERTIFICATE OF HIGH SCHOOL PROFICIENCY**

Students enrolled in high school who are at least 16 years old on the test date and have been enrolled in the 10<sup>th</sup> grade for one academic year may take the California High School Proficiency Exam (CHSPE) in basic skills upon paying the necessary fee. If they achieve a qualifying score on the test, they will be issued a Certificate of High School Proficiency by the California State Department of Education. The Certificate of Proficiency, plus parent consent, may excuse the student from continued high school attendance if the student is 16 or older.

The certificate is recognized by the State of California as the equivalent of a high school diploma; however, it does not fulfill the requirements for a Cabrillo High School diploma. Students wishing to take this examination should contact their counselor regarding the dates of testing and the completion of an application.

## **SENIOR STATUS**

In order to participate in senior class activities and to be extended the rights and privileges accorded to students who are classified as seniors, the student must have a minimum of 160 credits at the beginning of the school year.

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## **LEGION OF ACADEMIC MERIT & HONORED SCHOLARS**

The "Legion of Academic Merit" will be awarded to graduating seniors who have, at the conclusion of the seventh semester, a GPA greater than 4.0. "Honored Scholars" will be awarded to graduating seniors who have, at the conclusion of the seventh semester, a GPA of 4.0.

## **PRINCIPAL'S LIST**

The principal of Cabrillo High School will honor by certificate students who attain a 3.8 grade point average as a result of semester grades. A student must be enrolled in a minimum of six subjects during the semester being considered.

## **HONOR ROLL**

All students who attain a semester grade point average of 3.0 will be designated as honor students.

## **NUMBER OF CREDITS FOR PROMOTION TO:**

*\*Promotions and retentions are done once a year in August.*

Grade 10	50 Credits
Grade 11	100 Credits
Grade 12	160 Credits

## **STUDENT/PARENT FINANCIAL OBLIGATION**

State law requires that students/parents be financially responsible for lost books, supplies and equipment which have been loaned to the student. Unless such obligations are cleared, students will not receive semester grades, diplomas, transcripts, or may be able to attend school activities and dances.

## **COUNSELING SERVICES**

All students have access to support services. The following services are available to the students at Cabrillo High School for personal/social, academic and career counseling:

### **September and October: SENIOR AND FRESHMAN CONFERENCES**

All seniors have individual conferences to check on graduation status, to discuss post-high school plans and to make sure the students have admissions testing information for four year and two year colleges, scholarship information, and military information if needed. Senior graduation status report is then mailed home for parent review. A senior parent night is also held to assist parents in understanding vital senior year requirements.

All freshmen will have a counseling conference with their counselor to discuss academic progress, student activities, and paths to graduation. A freshmen parent night is also held to assist parents in understanding high school requirements.

### **October through January: JUNIOR CONFERENCES**

All juniors have individual conferences to discuss graduation status, post high school plans, and admission testing if needed. A Graduation Status Report (junior letter) is mailed home to the parents after this junior conference. Pre-registration for the next year's classes are accomplished at this conference. A junior parent night is also held in the evening to inform parents of important information.

### **February through March: SOPHOMORE CONFERENCES**

All sophomores have individual conferences to discuss and plan a four-year pathway through high school and to discuss post high school plans. A parent conference will be conducted in conjunction with individual student conferences. Pre-registration for the next year's classes occur at these individual conferences.

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## **March and April: REGISTRATION**

During these months, the registration process for all students for the next school year takes place.

## **May and June: GRADUATION**

Status check on all seniors takes place as well as completing the registration process for all students continues. Summer school applications are finalized and counselors participate in the commencement activities.

## **DIPLOMA ELIGIBILITY**

Only the students who meet [all LUSD graduation requirements](#) prior to the graduation ceremony will be eligible to participate in the graduation ceremony and will be granted a diploma.

Eligible students who do not wish to participate in the commencement exercises will be allowed to pick up their diploma from the registrar any time after the graduation ceremony.

## **EARLY GRADUATION**

Students may request graduation whenever they fulfill the course and credit requirements. The "Statement of Graduation Intention" should be filed with the counseling department one semester to one year prior to the proposed graduation date.

Early graduates may not participate in Senior Enrichment Day activities. However, they are eligible for other senior and graduate events and honors including Legion of Academic Merit, Honored Scholars, scholarships and other awards, the Junior-Senior Prom, Commencement, Grad Night tickets and trip, and other special events to which the graduating class is invited.

## **FOREIGN EXCHANGE STUDENTS**

Exchange students must demonstrate English Proficiency and be approved by the superintendent's office. Foreign exchange students will receive a certificate of attendance not a high school diploma as per school board policy. Exchange students **MUST DEMONSTRATE ENGLISH PROFICIENCY**.

## **TRANSCRIPTS**

Often required for colleges and scholarship applications, an official transcript (cumulative record of grades) can be obtained by contacting the registrar in the counseling office. Each transcript is 50 cents. Please allow three days to process request.

## **COLLEGE QUALIFYING REQUIREMENT**

Since colleges and universities can differ significantly in what each requires for admissions, counselors recommend that a college bound student pursue the most rigorous and challenging curriculum possible while still maintaining the highest grade point average possible and preparing for the college admissions examinations PSAT, SAT and ACT. To meet the challenge, the counselors recommend that a college bound student consider all of the college prep classes that are offered at Cabrillo High School. Students should also consider being involved in extracurricular activities and community service.

## **PROGRESS REPORTS**

In addition to the 6 and 12-week report cards, parents and students can monitor their grades, homework and attendance by obtaining a Friday weekly progress report in the counseling office or by using Parent Portal on-line.

## **CONCURRENT ENROLLMENT**

Several Allan Hancock College courses are taught at Cabrillo High School during the regular school day. Students may earn college credit if they complete an Allan Hancock College course. Application for admission to AHC, and "H" number and signature form are required to receive college credit. Please see your counselor with any questions.

# LUSD High School Graduation Requirements



***Social Science*** 3 courses (30 credits)

- World History
- US History
- American Government/Economics

***English*** 4 courses (40 credits)

***Mathematics*** 3 courses (30credits)

- Three different levels including Math 1

***Science*** 3 courses (30 credits)

- 1 year Physical Science
- 1 year Life Science
- 1 additional year Physical or Life Science

***Language other than English*** 1 course (10 credits)

Or

***Visual & Performing Arts***

Or

***Career Technical Education***

***Physical Education*** 2 courses (20 credits)

(Mandatory in 9<sup>th</sup> grade)

***EARN 230 CREDITS***

**ALL STUDENTS MUST COMPLETE MINIMUM HIGH SCHOOL GRADUATION REQUIREMENTS.**

The final responsibility for meeting graduation requirements rests with the student and his/her parent(s)/guardian(s).

**\*All subject area requirements must be met prior to additional electives being taken**

**Students preparing to be eligible for university admissions, please see following page.**



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# 4-YEAR “A-G” COLLEGE ADMISSIONS REQUIREMENTS

Prepares student to be eligible for University  
admissions

\*Courses listed below must be met with a “C” or better  
for UC/CSU eligibility\*



<b>A – Social Science</b>	3 courses
• World History	
• US History	
• American Government/Economics	
<b>B - English</b>	4 courses
<b>C - Mathematics</b>	3 courses
• Math 1, Math 2, Math 3 Statistics or Pre-Calculus	
<b>D – Lab Science</b>	3 courses
• 1 year Physical Science	
• 1 year Life Science	
• 1 additional year Physical or Life Science	
<b>E – Language Other Than English</b>	2 courses
<b>F – Visual &amp; Performing Arts</b>	1 course
<b>G – College Prep Elective</b>	1 course
<b>Physical Education</b>	2 courses

**EARN 230 CREDITS**

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# CABRILLO HIGH SCHOOL

## A-G List

### **A) Social Science/History- 2 Years Required**

- American Government
- American Government Honors
- Political Science 103
- U.S. History
- AP US History
- History 107 & 108
- World History

### **B) English -4 Years Required**

- English 9
- English 9 Honors
- English 10
- English 10 Honors
- English 11
- AP English 11
- English 12
- AP English 12

### **C) Mathematics- 3 Years Required/4 Years recommended**

- Math 1
- Math 2
- Math 3
- Pre-Calculus
- Pre-Calculus Honors
- Statistics
- AP Calculus AB

### **D) Laboratory Science- 2 Years Required/ 3 Years recommended**

- Integrated Science 1
- Integrated Science 2
- Advanced Integrated Science
- Biology 9 Honors
- Chemistry
- Anatomy
- Anatomy Honors
- Marine Science
- Physics
- AP Biology
- AP Chemistry
- AP Physics

### **E) Foreign Language- 2 Years Required/ 3 Years Recommended**

- Spanish 1
- Spanish 2
- Spanish 3
- AP Spanish 4
- AP Spanish 5
- French 1 (French 101)

- French 2 (French 102)
- French 3
- AP French 4
- AP French 5

### **F) Visual and Performing Arts- 1 Year Required**

- Art Discovery/Drawing 1
- Drawing 2/Color and Design
- AP Studio Art: 2-D Design
- AP Studio Art: 3-D Design
- Art Quest
- Musical Theatre
- Advanced Musical Theatre
- Choir
- Concert Choir
- Madrigals
- Graphic Design
- AP Graphic Communication 1
- Floriculture
- Band Techniques/Concert Band
- Jazz Band
- Orchestra Strings
- Symphonic Wind Ensemble
- Music Quest
- Photography 1
- AP Advanced Photography
- Yearbook Production

### **G) College-Preparatory Elective- 1 Year Required**

- AVID 9, 10, 11, 12
- Economics
- Entrepreneur Economics
- Accounting and Finance
- Business Technology
- Business Management & Leadership
- Game Design 2
- Psychology 1/2
- Sociology 1/2
- Science Quest
- Sports Medicine
- Career and College Readiness
- Advanced Automotive Technology
- Tourism: School to Career
- Advanced Aquarium Operations
- Innovations 3D Prototyping
- Ornamental Horticulture
- Viticulture

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## REQUIREMENTS FOR ENTRANCE TO THE UNIVERSITY OF CALIFORNIA

The University of California has subject, scholarship, and examination requirements for entrance. Admission is limited to those students who are in the top 12.5 percent of California high school graduates as determined by a combination of test scores (see Examination Requirement) and GPA earned in grades 10-12 in A-G subjects (see subject requirement).

Students applying to impacted/competitive majors or campuses may need higher GPA's/scores/pattern of coursework for acceptance as freshmen. Students who complete 2 years (60 transferable semester units) at a community college, and who maintain a "C" average may be eligible to transfer to a University of California campus without meeting the above A-G requirements in high school.

### SUBJECT REQUIREMENT

Subject requirements are satisfied by courses in which a grade of "C" or higher has been assigned. A grade of "D" in a required high school subject taken in any year will disqualify an applicant unless he/she has retaken the course and recorded a grade of "C" or better. The repeated grade will not be counted higher than a "C" in determining the scholarship average. The subject requirements listed below are the minimum. Thorough preparation for university work requires that students go beyond this minimum. Be sure to discuss your college intentions with your counselor early in your high school years, and consult the Prerequisites and Recommended Subjects Publication of the Office of Relations with Schools of the university.

### APPLICANTS FOR FALL

- a. History/Social Science-2 years (World History/Cultures/Geog-1 year, and either U.S. History-1 year or U.S. History-1/2 year plus American Government/Civics 1/2 year)
- b. College Prep English-4 years
- c. Math-3 years required; 4 years recommended (Math 1, Math 2, Math 3)
- d. Lab Science-2 years required; 3 recommended (grade 10 or higher); must be in 2 of these fields: Biology, Chemistry, Physics
- e. Languages Other Than English – 2 years required; 3 years recommended
- f. College Prep Electives-1 year required (see CHS A-G courses)
- g. Visual Performing Art - 1 year required

### SCHOLARSHIP REQUIREMENT

The Scholarship requirement defines the grade point average (GPA) students must attain in the "A-G" subjects to be eligible for admission to the University.

If a student's "A-G" GPA is 3.3 or higher, the student has met the minimum scholarship requirement for admission to the University. If a student's GPA is below 3.3 and above 2.81, the student must achieve the necessary college entrance test score indicated in the Eligibility Index to meet the minimum admission requirement. (Excerpts from the Eligibility Index appear on the following page.)

The University calculates the "A-G" GPA by assigning point values to the grades students earn, totaling the points, and dividing the total by the number of "A-G" course units. Points are assigned as follows: A=4 points, B=3 points, C=2 points, D=1 point and F=0 points. Only the grades students earn in the "A-G" subjects taken in grades 10, 11, and 12 are used to calculate the GPA.

The University assigns extra points for up to four units of certified honors level and advanced placement courses taken in the last three years of high school: A=5 points, B=4 points, and C=3 points. Grades of D earned in honors courses are not assigned extra points. No more than two units of certified honors level courses taken in grade 10 may be assigned extra points.

Grade 9 courses will not be included in the GPA calculation for admissions. However, grade 9 courses can be used to meet the "A-G" Subject Requirement if the student earns a grade of C or better.

## EXAMINATION REQUIREMENT

College freshman applicants must submit the following test scores:

Either the Scholastic Aptitude Test (SAT) or the American College Test (ACT). The verbal and mathematics scores on the SAT must be from the same sitting. The ACT composite score must be submitted. The SAT and ACT may be taken in January, March, May or June of the junior year. If students take both the ACT and SAT or retest, the higher score will be used for admission. For the CSU colleges, students must take SAT reasoning test or ACT test. For UC system, students will need SAT Reasoning or ACT. For class of 2013 and beyond, the UC system will require either the SAT Reasoning or ACT be taken, SAT Subject tests will be recommended but not required.

## ELIGIBILITY INDEX (EXCERPTS)

<u>"a-g" GPA</u>	<u>ACT Composite</u>	<u>SAT Total</u>
2.82	36	1600
2.85	35	1570
2.95	31	1370
3.00	28	1270
3.10	22	1070
3.20	17	840
3.29	12	570

1. ACT is scored in intervals of 1 point, from a minimum of 1 to a maximum of 36.
2. SAT is scored in intervals of 10 points, from a minimum of 400 to a maximum of 1600.
3. "A-G" courses taken in freshmen year count towards Subject Requirement but are not included in college entrance GPA. See more detailed information at [www.ucop.edu](http://www.ucop.edu)

## CABRILLO HIGH SCHOOL "A-G" COURSES

- a. Social Science:** World History, History 107 & 108, US History, AP US History, Am. Government, American Government Honors, Political Science 103
- b. English:** English 9, English 9H, English 10, English 10H, English 11, AP English 11, English 12, AP English 12
- c. Math:** Math 1, Math 2, Math 3, Statistics, Pre-Calculus, Pre-Calculus-Honors, AP Calculus AB, Statistics
- d. Lab Science:** Integrated Science 1 and 2, Biology 9 H, Chemistry, AP Chemistry, Physics, AP Physics, Marine Science, Advanced Integrated Science, AP Biology, Anatomy, Anatomy-Honors
- e. Language Other Than English:** French 101, 102, French 3, AP French 4 and 5, Spanish 1, 2, 3, and AP Spanish 4 and 5.
- f. Visual and Performing Arts** – Art Discovery/Drawing I, Drawing II/Color & Design, AP Studio Art 2D & 3D, Art Quest, Graphic Design, AP Graphic Communications I, Photography, AP Advanced Photography, Floriculture, Band Techniques/Concert Band, Symphonic Wind Ensemble, Jazz Band, Orchestra Strings, Music Quest, Choir, Concert Choir, Madrigal Singers, Musical Theater, Advanced Musical Theater, Yearbook Production.
- g. College Prep Electives:** AVID 9, 10, 11, 12, Advanced Aquarium Operations, Game Design 2, Advanced Automotive Technology, Business Management & Leadership, Accounting & Finance, Career & College Readiness (CCR), Ornamental Horticulture, Viticulture, Psychology 1/2, Sociology 1/2, Science Quest, Entrepreneur Economics, Economics, Innovation: 3D Prototyping, Tourism, Business Technology, Sports Medicine.

## REQUIREMENTS FOR ENTRANCE TO THE CALIFORNIA STATE UNIVERSITIES

Admission is limited to those students who are in the top third of the high school graduates. The top third is determined by a combination of the grade average for the 10th and 11th grade courses, excluding P.E., and the scores on one of two tests: The American College Test (ACT) or the Scholastic Aptitude Test (SAT).

## Minimum Subject Requirements

- |                                 |                                      |
|---------------------------------|--------------------------------------|
| a. U.S. History and Civics      | 2 years                              |
| b. English (College Prep)       | 4 years                              |
| c. Mathematics                  | 3 years (Math 1, Math 2, and Math 3) |
| d. Laboratory Science           | 1 year                               |
| e. Language, Other Than English | 2 years                              |
| f. Visual Performing Art        | 1 year                               |
| g. College Prep Electives       | 1 year                               |

The SAT or ACT may be taken in spring of the junior year. If students take both the ACT and SAT or retest, the higher score will be used for admission.

The subject requirements above are the minimum. Thorough preparation for university work requires that students go beyond this minimum. Be sure to discuss your college intentions with your counselor early in your high school years, and consult the university catalogs for required or recommended subjects for a particular major.

## UNIVERSITY OF CALIFORNIA

### Eligibility in the Local Context (ELC)

Those juniors who are in the top 9% of their class *may* be eligible for an early notification of admission from the University of California. Providing they have satisfied a number of academic courses by the end of their junior year, these students may be granted a guaranteed place in the University of California system. See your counselor for details.

## PRIVATE COLLEGES

Admission requirements of private colleges vary. Because of this, students should study recent catalogs of the institution they would like to attend. You can also visit many college and universities websites for updated admission requirements.

## REQUIREMENTS FOR ENTRANCE TO COMMUNITY COLLEGES

### Admission Requirements

- A. High school diploma or California State Proficiency Certificate or 18 years of age and not attending a regular high school.
- B. Placement : For Allan Hancock college, placement is based on 11<sup>th</sup> grade Math and English coursework.

### Program

There are three track systems in most community colleges. One is for courses to supplement the high school and adult school courses; a second is for special training in technical fields; the third is for two years of preparation for transfer to a four-year college or university.

### Recommended Courses

While there are no high school subject requirements for admission to a community college, it is recommended that:

- A. Students planning to enroll in a transfer curriculum, complete in high school those subjects recommended by the four-year college;
- B. Students planning to enroll in a vocational training program in a community college should complete appropriate high school courses in mathematics, science, and should explore and prepare for their considered vocation through completion of high school vocational courses, Work Education and ROP courses.

## TEST DATES (COLLEGE ENTRANCE EXAMS) 2020-2021

The following test dates are based on a test-date-formula that gives a “best estimate” of test dates. Not all exact dates were available in time for this printing. You should check the board in the counseling office in late August or early September to confirm the exact test dates. You can also check the websites (noted below) for exact test dates and registration process.

### Scholastic Aptitude Test (SAT)

[www.collegeboard.org](http://www.collegeboard.org)

#### **Approx. Test Dates**

SAT & Subject Tests	Aug 28, 2021
SAT & Subject Tests	Oct 2, 2021
SAT & Subject Tests	Nov 6, 2021
SAT& Subject Tests	Dec 4, 2021
SAT & Subject Tests	Mar 12, 2022
SAT & Subject Tests	May 7, 2022
SAT & Subject Tests	June 4, 2022

#### **Costs** (Approximate fees)

SAT with essay	\$68.00
SAT without essay	\$52.00
SAT Subject Tests	\$26.00
Language tests w/Listening	add \$26.00
All other Subject test	add \$22.00

#### **Deadlines**

Registration deadlines are generally one month before the test date. (Late registration will cost an additional \$30.00.)

### Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT)

*Test Date: October 13, 2021*

*Approximate cost Free to all sophomores*

### Advanced Placement (AP Examinations)

*Test Dates May 2022*

*Sign up with AP Teacher*

### American College Test (ACT) [www.act.org](http://www.act.org)

*Approximate Fee \$52 (no writing), \$68 (with writing)*

*Additional Late Fee \$30*

*Test Dates 2020-2021 TBD*

## CHS Career Technology Education (CTE) Pathways

The Career Technology Education (CTE) Program provides high quality career technical education programs to assist students gain the skills, technical knowledge, real world experience, and the rigorous academic foundation they will need for college and careers. Students who successfully complete the courses (sequentially) will receive a Certificate of Skills listing all of the skills they have mastered during their course of study.

*Full completion of a CTE Pathway with a "C" grade or above results in a CTE Pathway completion. (\* a-g course)*

<b><u>Business Management Pathway</u></b>	<b><u>Grade Level:</u></b>
1. *Business Mgmt. – Concentrator	11 – 12
2. *Entrepreneur Economics – Capstone	11 – 12
<b><u>Financial Services Pathway</u></b>	
1. *Business Technology – Concentrator	9 – 12
2. *Accounting & Finance – Capstone	11 – 12
<b><u>Games and Simulations Pathway</u></b>	
1. *Game Design 1 – Concentrator	9 – 12
2. *Game Design 2 – Capstone	11 – 12
<b><u>Graphic Production Technologies Pathway</u></b>	
1. *Graphic Design – Intro	9 – 12
2. Design Quest – Concentrator	10 – 12
3. *AP Graphic Comm. 1 – Concentrator	10 – 12
4. AP Graphic Comm.2 – Capstone	11 – 12
<b><u>Ornamental Horticulture, Pathway 1</u></b>	
1. *Floriculture – Concentrator	9 – 12
2. Adv. Floriculture – Capstone	10 – 12
<b><u>Ornamental Horticulture, Pathway 2</u></b>	
1. *Ornamental Hort. 1 – Concentrator	10 – 12
2. Ornamental Hort. 2 – Capstone	11 – 12
<b><u>Patient Care Pathway</u></b>	
1. *Sports Med. (Sem 1) – Concentrator	11 – 12
2. *Sports Med. (Sem 2 ) – Capstone	11 – 12
<b><u>Plant and Soil Science Pathway</u></b>	
1. Viticulture 1 – Concentrator	10 – 12
2. Viticulture 2 – Capstone	11 – 12
<b><u>Product Innovation and Design</u></b>	
1. Graphic Design – Intro	9 – 12
2. *Innovations: Design – Concentrator	10 – 12
3. *Innovation: 3D Modeling & Proto – Concentrator	10 – 12
4. Adv. 3D Proto – Capstone	11 – 12
<b><u>Systems Diagnostics, Service, and Repair</u></b>	
1. Intro to Auto – Introductory	9 – 12
2. Auto Quest – Concentrator	10 – 12
3. Auto Brakes – Concentrator	11 – 12
4. Auto Tune-up – Concentrator	11 – 12
5. *Adv.Auto (DP) – Capstone	11 – 12

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## CAREER TECHNOLOGY EDUCATION

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### **BUSINESS MANAGEMENT**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 10-12

\*10<sup>th</sup> grade with teacher approval

This course is designed to cover the basic managerial skills of planning, organizing, leading, controlling, and evaluating an organization or group for the purpose of better understanding business operations. Students will explore leadership styles; develop management skills in the areas of communication, decision-making, and marketing. Financial Management will provide students with skills needed in the process of managing financial resources, including accounting and financial reporting, budgeting, collecting accounts receivables, risk management, and insurance for a business. Students will engage with their peers, business professionals and their community to actively practice 21<sup>st</sup> Century skills of communication, collaboration, creativity, and critical thinking.

#### **Career Tech Ed (Concentrator)**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**BUSINESS MANAGEMENT CTE PATHWAY**

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### **ENTREPRENEUR ECONOMICS – P**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 11-12

Prerequisites: Basic math competency

Entrepreneur Economics examines the choice process from the perspective of the individual, the entrepreneur, and society as a whole. Students will understand the economic choices of what, how and for whom goods will be produced and are made in the various economic systems. Topics explored will include supply and demand, gross domestic product, unemployment, inflation, the monetary system, taxes, business and labor organizations and the interdependence of the world community. Students will employ the concepts of the Entrepreneur Economics to develop a viable business plan.

#### **Career Tech Ed (Capstone)**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**MEETS LUSD GRADUATION REQUIREMENT IN ECONOMICS**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**BUSINESS MANAGEMENT CTE PATHWAY**

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### **BUSINESS TECHNOLOGY - P**

Duration: Year, single period, 5 credits/semester (10 credits)

Grade: 9-12

Prerequisites: None

This course provides a rigorous, hands-on introduction to business technology used for business communication along with an introduction to personal finance. Topics also include password hacking, cyber security and an introduction to networking.

#### **Career Tech Ed (Concentrator)**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**FINANCIAL SERVICES CTE PATHWAY**

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## **ACCOUNTING & FINANCE I**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade: 11-12

Prerequisites: Basic math ability and working knowledge of computers, Math 1

Students will apply technology to common business tasks in accounting, finance and personal investments. Students will analyze, record, and interpret business transactions in the accounting cycle for proprietorships and partnerships using traditional ledger and computer software.

### **Career Tech Ed (Capstone)**

**RECEIVES MATH CREDIT**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**FINANCIAL SERVICES CTE PATHWAY**

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## **GAME DESIGN 1 (1) - P**

Duration: Year, 5 credits/semester

Grade 9-12

Prerequisites: None.

Game history, design, storyboarding, and intro to programming. Hands on creation of retro games, and design your own single player game.

### **Career Tech Ed (Introductory)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

**GAMES AND SIMULATIONS CTE PATHWAY**

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## **GAME DESIGN 2 (32) – p**

Duration: Year, 5 credits/semester

Grade 11-12

Prerequisites: Instructor approval, counselor approval, no referrals, “B” grade or better **in GAME DESIGN**

Advanced Game Design rendering single player and multiplayer, multi-user games or simulation projects based course. Creation of portfolio, publish your own game.

### **Career Tech Ed (Capstone)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

**GAMES AND SIMULATIONS CTE PATHWAY**

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## **AP GRAPHIC COMMUNICATIONS I – P**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone.)

Grade: 10-12

Prerequisites: Visual Communications or instructor approval

Students will learn graphic design, packaging and publishing design, typography, and electronic pre-press. Instruction will cover units on careers, portfolio construction, computer basics, image editing, scanning, bindery, maintenance and safety.

### **Career Tech Ed (Concentrator)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENTS (f)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**CONCURRENT WITH ALLAN HANCOCK COLLEGE**

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## **AP GRAPHIC COMMUNICATIONS II – P**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone.)

Grade: 11-12

Prerequisites: AP Graphic Communications I and Instructor Approval

Student will learn advanced computer design techniques, advanced computer pre-press skills and graphic design. Students will prepare for employment in the graphics industry and for advanced occupational training.

### **Career Tech Ed (Capstone)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**GRAPHIC PRODUCTION TECHNOLOGIES CTE PATHWAY**

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## **GRAPHIC COMMUNICATIONS III**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone.)

Grade: 12

Prerequisites: Successful completion of AP Graphic Communications II

This advanced graphic design course will further add to the student's experience and skills. Emphasis will be placed on graphic design, motion graphics, film making, future design trends, sustainable design practices, material sciences, exhibition design, product design, and portfolio development. Students will work independently in class to enhance their skills and make themselves stronger candidates for job positions and college entrance. Successful completion of this course will prepare students for entry level employment in a broad range of graphics industry occupations and for advanced occupational training.

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

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## **ORNAMENTAL HORTICULTURE I – P**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone.)

Grade: 10-12

Year, single period, 5 credits/semester (10 credits max.)

Prerequisites: None

Students will learn skills in ornamental and production plant growing and tending. Instruction includes plant propagation, soil mixtures and sterilization, irrigation, potting and canning, fertilizers, floral design, pesticides, greenhouse operations, plant identification, tools and materials, basic landscaping and business management.

### **Career Tech Ed (Concentrator)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENTS (g)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ORNAMENTAL HORTICULTURE CTE PATHWAY 2**

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## **ORNAMENTAL HORTICULTURE II –P**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone.)

Grade: 11-12

Year, single period, 5 credits/semester (10 credits max.)

Prerequisites: Ornamental Horticulture or Instructor approval

In this class special emphasis will be placed on development of advanced Ornamental Horticulture skills, computer applications and business management.

### **Career Tech Ed (Capstone)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ORNAMENTAL HORTICULTURE CTE PATHWAY 2**

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## **SPORTS MEDICINE 1 & 2-P**

Duration: Year, double period, 10 cr./sem. (20 cr. required for Capstone.)

Grade: 11-12

Prerequisites: Minimum "C" overall GPA and good attendance, successful completion of two years of science (biology recommended) with a minimum "C" grade or Instructor approval.

**Must have own transportation to training site.**

This course prepares students who are interested in a Health Science related career in which advanced training and a college degree may be necessary. This course focuses on lab methods, critical thinking and communication skills needed to advance as a science or medical major in a university. Educational requirements and job responsibilities of medical professionals will be investigated. The texts above will not all be covered in their entirety; however it will all be used to cover the curriculum. Supplemental text will also be used to add depth to understanding.

Internet streaming videos will be used to enhance the learning experience; some videos may be graphic in nature such as: fractured bones, dislocated joints, surgeries, etc.

**Career Tech Ed (Concentrator & Capstone)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**MEETS UC ELECTIVE CREDIT (g)**

**PATIENT CARE CTE PATHWAY**

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## **VITICULTURE OPERATIONS I – P**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone.)

Grade: 10-12

Year, single period, 5 credits/semester (10 credits.)

Prerequisites: None

Students will learn the skills needed to maintain cultivated wine grapes in a vineyard at Cabrillo. Operations will follow the seasons of the year from harvest in November to cordon pruning in March, and shoot training and leaf removal through June. Vineyard management techniques such as irrigation, fruit removal, bird netting, and preventative spraying will be practiced. Students who excel in the program are recommended for scholarships and internships at local vineyards.

**Career Tech Ed (Concentrator)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**PLANT & SOIL SCIENCE CTE PATHWAY**

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## **VITICULTURE OPERATIONS II**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone.)

Grade: 11-12

Year, single period, 5 credits/semester (10 credits max.)

Prerequisites: None

This class is designed to continue skill development in viticulture and vineyard management. Some of the topics covered in this course are grapevine physiology and structure, establishing the vineyard, fertilizing vines, irrigation and vineyard equipment. The course curriculum promotes extensive student interaction and hands-on training with a particular emphasis on career awareness.

**Career Tech Ed (Capstone)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**PLANT & SOIL SCIENCE CTE PATHWAY**

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## **INNOVATION: DESIGN THINKING & INVENTION**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 11-12

Prerequisites: Graphic Design or Intro Auto or Computer Programming or Innovation: Entrepreneurship or Innovation: Design Thinking & Invention, or Instructor approval, or by science teacher recommendation.

This is the first course in a three-part Innovation program. In this course, students will be taught design thinking and interaction design skills that will lead to the invention of products and services that meet specific needs. In addition, student will learn basic electronics, basic computer programming, robotics, 3D printing, product design and the use of Arduino microcontrollers. Students will work closely with students in the prototyping class to realize their ideas in a physical prototype.

**Career Tech Ed (Concentrator)**

**MEETS UC SUBJECT REQUIREMENT (g)**

**PRODUCT INNOVATION & DESIGN CTE PATHWAY**

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## **INNOVATION: 3D MODELING & PROTOTYPING UNDER FABRICATION & MANUFACTURING – P**

Duration: Year, single period, 5 credits/semester (10 credits required for capstone)  
approval) 10-12

Grades: (9 with instructor

Prerequisites: Graphic Design or Innovation: Entrepreneurship or Innovation and instructor approval or by science teacher recommendation.

In this course, students will be taught how to use the modern tools of light fabrication, 3D modeling and product/industrial design. In addition, students will learn basic hand tool use, basic CNC operation and the use of 3D printers, laser cutters and various other tools for prototyping and fabricating products. Students will work closely with the other students in the Design Thinking & Invention class to realize their ideas in a physical prototype.

**Career Tech Ed (Concentrator)**

**MEETS UC SUBJECT REQUIREMENT (g)**

**PRODUCT INNOVATION & DESIGN CTE PATHWAY**

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## **ADVANCED 3D PROTOTYPING**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grades: 10-12

Prerequisites: Innovation: 3D Modeling & Prototyping FAD & MAN

In this course students will be taught and apply advances principles of design thinking, interaction design skills, and the engineering design process as they master how to design and engineer a product. They will develop and create advances fully functional devices (prototypes) that include mechanics and/or electronics software. Potential product designs include robots, hand-held electronic devices, smart toys or smart machines (using software and sensors), general mechanical devices, and products and products. Advances students will learn to maintain the equipment they use to prototype such as the laser cutter, 3d printers, vinyl cutter and CNC machines.

**Career Tech Ed (Capstone)**

**PRODUCT INNOVATION & DESIGN CTE PATHWAY**

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## **AUTO TUNE UP AND EMISSIONS**

Duration: Year, double period, 10 credits/semester. Repeatable for credit

Grade: 11-12

Prerequisites: Advanced Automotive, pass with C or better, or Instructor Approval

Students train for entry-level employment as a tune-up mechanic's helper, automotive exhaust emissions technician's helper, vehicle fuel systems mechanic's helper, and general mechanic's helper.

### **Career Tech Ed (Concentrator)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

**SYSTEMS DIAGNOSTICS, SERVICE, AND REPAIR CTE PATHWAY**

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## **AUTO BRAKES / FRONT-END**

Duration: Year, double period, 10 credits/semester. Repeatable for credit

Grade: 11-12

Prerequisites: Advanced Automotive, pass with C or better, or Instructor Approval

Students train for entry-level employment as a brake mechanic's helper, front-end alignment mechanic's helper, and general mechanic's helper.

### **Career Tech Ed Concentrator**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

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## **ADVANCED AUTOMOTIVE – P**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone)

Grade: 11-12

Prerequisites: Automotive Introduction, pass with C or better or instructor approval. Repeatable for credit.

Students who enroll in this class will prepare for careers in the automotive repair industry. Students will be trained for mechanic positions in tune-up, front end, brakes, transmissions and wheel alignment.

### **Career Tech Ed (Concentrator)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**SYSTEMS, DIAGNOSTICS, SERVICE AND REPAIR CTE PATHWAY**

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## **CRIMINAL JUSTICE OCCUPATIONS**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone.)

Grade: 11-12

Prerequisites: English composition and communication skills

Location: Lompoc High School (Students must provide their own transportation to off campus locations.)

Students will train in a variety of occupations that are in the law enforcement / criminal justice career field. Classroom instruction will be coupled with on-the-job training in local criminal justice agencies including the Lompoc Police Department, District Attorney's Office, Probation Department and Court System.

### **Career Tech Ed (Concentrator/Capstone)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**PUBLIC SAFETY CTE PATHWAY**

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## WORK / APPLIED EXPERIENCE COURSES

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**School Service Courses: Students may not enroll in more than one school service course per semester.**

### **LEARNING CENTER (CLC)**

Duration: Semester, 5 credits

Grade: 12

Prerequisites: Counselor or Administrators approval

This course is designed for students who need extra support/study skills for their academic classes. This class is used as an elective course to provide time to work on other courses.

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### **LIBRARY SERVICE**

Duration: Semester, 5 credits

Grade: 12

Prerequisites: Counselor approval, satisfactory attendance

- Students will share in all aspects of Library work.
- Experiences include shelving, circulation, computer operation, and related clerical tasks.
- Designed for persons who enjoy books and/or need and want skills in research.

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### **ATTENDANCE OFFICE SERVICE, COUNSELING OFFICE SERVICE**

Duration: Semester, 5 credits

Grade: 12

Prerequisite: Counselor approval, satisfactory attendance

- Students will perform general office routines
- On-the-job performance determines grade

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### **ASB QUEST**

Duration: Semester/Year, 5 credits /semester (Repeatable for credit; 20 cr. max.)

Grade: 9-12

Prerequisites: Election or appointment to a student body office and approval by the director of activities.

Students will study and practice basic skills and concepts of democratic government, group dynamics, leadership styles, presentation of assemblies and school or community events, problem solving, and other skills necessary for effective leadership.

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### **CLASSROOM SERVICE**

Duration: Semester, 5 credits

Grade: 12

Prerequisites: Counselor approval, 2.0 GPA or better, satisfactory attendance

- Students will be assigned to a classroom to assist teacher.

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### **STUDENT TUTOR PROGRAM**

Duration: Year, double period, 10 credits

Grade: 11-12

Students are assigned as tutors to elementary schools in LUSD. Tutors will work with elementary children on an individual or small-group basis helping students with reading, arithmetic, spelling and other classroom subjects. Student tutors may lead some instructional activities and games under the supervision of the teacher. These teaching positions are a great opportunity to explore working with children or to explore teaching as a career while earning an income.

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## **WORK EXPERIENCE EDUCATION**

Duration: Sem. /Year, single or double periods, 5 credits per period each semester.  
(Repeatable for credit; 40 credits maximum)

Grade: 11-12

Prerequisites: Work Ed. Coordinator approval; satisfactory school attendance, citizenship and employed.

**STUDENTS MUST ENROLL IN AT LEAST 4 REGULAR CLASSES AND 2 WORK ED. PERIODS, OR 3 REGULAR CLASSES PLUS 2 CTE AND 1 OR 2 WORK ED. PERIODS.**

- On-the-job experience
- Students are required to attend a weekly meeting
- Transportation is a parent/student responsibility

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## **BUSINESS**

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### **BUSINESS TECHNOLOGY - P**

Duration: Year, single period, 5 credits/semester (10 credits)

Grade: 9-12

Prerequisites: None

This course provides a rigorous, hands-on introduction to business technology used for business communication along with an introduction to personal finance. Topics also include password hacking, cyber security and an introduction to networking.

### **Career Tech Ed (Concentrator)**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**FINANCIAL SERVICES CTE PATHWAY**

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### **ACCOUNTING & FINANCE I**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade: 11-12

Prerequisites: Basic math ability and working knowledge of computers, Math 1

Accounting and Finance 1 will introduce students to the basic accounting principles and issues related to accounting procedures. Students will analyze, record, and interpret business transactions in the accounting cycle for proprietorship and partnerships. Students will also be prepared in personal finance and investment. This course will develop students' ability to prepare financial statements, manage account payable and receivable, and prepare payroll and tax documents. Students will also practice ethical decision-making skills.

### **Career Tech Ed (Capstone)**

**RECEIVES MATH CREDIT**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**FINANCIAL SERVICES CTE PATHWAY**

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## **BUSINESS MANAGEMENT**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 10-12

\*10<sup>th</sup> grade with teacher approval

This course is designed to cover the basic managerial skills of planning, organizing, leading, controlling, and evaluating an organization or group for the purpose of better understanding business operations. Students will explore leadership styles; develop management skills in the areas of communication, decision-making, and marketing. Financial Management will provide students with skills needed in the process of managing financial resources, including accounting and financial reporting, budgeting, collecting accounts receivables, risk management, and insurance for a business. Students will engage with their peers, business professionals and their community to actively practice 21<sup>st</sup> Century skills of communication, collaboration, creativity, and critical thinking.

### **Career Tech Ed (Concentrator)**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**BUSINESS MANAGEMENT CTE PATHWAY**

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## **ENTREPRENEUR ECONOMICS – P**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 11-12

Prerequisites: Basic math competency

Entrepreneur Economics examines the choice process from the perspective of the individual, the entrepreneur, and society as a whole. Students will understand the economic choices of what, how and for whom goods will be produced and are made in the various economic systems. Topics explored will include supply and demand, gross domestic product, unemployment, inflation, the monetary system, taxes, business and labor organizations and the interdependence of the world community. Students will employ the concepts of the Entrepreneur Economics to develop a viable business plan.

### **Career Tech Ed (Capstone)**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**MEETS LUSD GRADUATION REQUIREMENT IN ECONOMICS**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**BUSINESS MANAGEMENT CTE PATHWAY**

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## **COMPUTER EDUCATION**

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**Courses in computer education count as general elective credits toward graduation. Keyboarding skills are recommended for all computer courses.**

### **GAME DESIGN I – P**

Duration: Year, 5 credits/semester

Grade: 9-12

Prerequisites: None

Game history, design, storyboarding, and intro to programming. Hands on creation of retro games and designing your own single player game.

### **Career Tech Ed (Introductory)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (G)**

**GAMES AND SIMULATIONS CTE PATHWAY**

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## GAME DESIGN 2 – P

Duration: Year, 5 credits/semester

Grade 11-12

Prerequisites: Instructor approval, counselor approval, no referrals, B grade or better in Game Design 1.

Advanced Game Design rendering, single player and multiplayer, multi-user games or simulation projects based course. Creation of portfolio, publish your own game.

### Career Tech Ed (Capstone)

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

**GAMES AND SIMULATIONS CTE PATHWAY**

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## ENGLISH COURSE SEQUENCE

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**Note: Courses marked “P” partially meet UC and CSU entrance requirements.**

The Honors Program provides for a combination of acceleration and enrichment. Students in AP 11: Language and Composition and AP 12: Literature and Composition will be assigned college level work; many will earn university freshmen English waivers or credit, or both, as a result of high scores on the Advanced Placement Exam. Students may apply for admission based on application, a writing sample, and teacher recommendation.

Honors courses completed in the junior or senior year are calculated by UC as A=5, B=4, C=3 grade points.

<u>HONORS</u>	<u>UC/CSU (a – g)</u>	<u>LUSD GRAD</u>
English 12 AP	English 12-P	English 12-P
English 11 AP	English 11-P	English 11-P
English 10H	English 10-P	English 10-P
English 9 H	English 9-P	English 9-P

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## ENGLISH 9-P

Duration: Year, 5 credits /semester

Grade: 9

Prerequisites: State standardized test scores at CST Level 3 or above.

A standards-based course designed to advance students’ skills in all facets of English/Language Arts as identified by the State of California. Students will enhance their ability to:

- Write clearly and effectively for a variety of purposes
- Use correct grammar/mechanics and sentence/paragraph/essay structure
- Understand and respond to literature across genres
- Analyze informational texts
- Use key grade-level terms and concepts
- Make oral presentations and write research-based expository, argumentative, and narrative papers

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (b)**

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**ENGLISH 9 Honors - P**

Duration: Year, 5 credit /semester

Grade: 9 only

Prerequisites: Multiple measures rubric. See note at departmental heading for placement information.

- An accelerated course designed for students who demonstrate strong interest/skill in reading and writing.
- Curriculum addresses higher grade-level standards
- Emphasis on classical works and informational texts
- Students will do a significant amount of reading and writing
- Students will be expected to be willing participants in class discussions
- Students will have a considerable amount of homework

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (b)**

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**ENGLISH 10 - P**

Duration: Year, 5 credits /semester

Grade: 10

Prerequisites: Passing grade in English-9P.

A standards-based course designed to advance students' skills in all facets of English/Language Arts as identified by the state of California.

Students will enhance their ability to:

- Write clearly and effectively for a variety of purposes
- Use correct grammar/mechanics and sentence/paragraph/essay structure
- Understand and respond to literature across genres
- Analyze informational texts
- Use key grade-level terms and concepts
- Make oral presentations and write research based expository, argumentative, and narrative papers

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (b)**

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**ENGLISH 10 Honors - P**

Duration: Year, 5 credits /semester

Grade: 10 only

Prerequisites: See not at departmental heading for placement information.

- An accelerated course that is designed for students who demonstrate a strong interest/skill in reading and writing.
- Curriculum addresses higher grade-level standards
- An emphasis on famous and classical works
- Students will do a significant amount of reading and writing
- Students will be expected to be willing participants in class discussions
- Students will have a considerable amount of homework

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (b)**

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## **ENGLISH 11 -P**

Duration: Year, 5 credits /semester

Grade: 11

Prerequisites: Passing grade in English-10

- A chronological survey of American literature focusing on the characteristics and influences of different periods of American literature (includes analysis of authentic, informational texts).
- A focus on understanding the author/speaker's philosophical point or position in famous essays and speeches
- A focus on literary subgenres: parody, allegory etc.
- An expectation that students display mastery of grammar/mechanics of earlier grades
- Senior project introduction
- Writing across multiple genres – research based argumentative, expository and narrative papers.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (b)**

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## **ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION**

### **(ENGLISH 11 AP) - P**

Duration: Year, 5 credits /semester

Grade: 11 only

Prerequisites: See note at departmental heading for placement information.

The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and to become skilled writers who can compose for a variety of purposes. By their writing and reading in this course, students should become aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effective writing. This course will be organized according to rhetorical modes of discourse: Narration and description, example, process analysis, comparison and contrast, division and classification, definition, cause and effect, persuasion and argument. Within these modes, literacy conventions and devices such as diction, imagery, syntax, semantics, tone, selection of detail, pacing, point-of-view, organization, motif, and other rhetorical devices will be discussed. During the course, there will be outside reading of novels. A lengthy argumentative research paper must be completed.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (b)**

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## **ENGLISH 12 - P**

Duration: Year, 5 Credits/semester

Grade: 12

Prerequisites: English 11P

- Class is organized chronologically as a survey course of English literature.
- Examination of literary authors and literary time periods is conducted.
- Written analyses, critiques, and summaries are assigned regularly.
- Analysis of informational texts
- Unit tests that cover literary time periods are regularly administered.
- Vocabulary is drawn from selected literature and studied in content.
- A Senior Project that includes a lengthy research paper and a formal presentation must be completed.
- Researched based argumentative, expository and narrative writing.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENTS (b)**

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## **ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (ENGLISH 12 AP- P)**

Duration: Year, 5 Credits/semester

Grade: 12 only

Prerequisites: See note at departmental heading for placement information.

- Study the major genres of literary criticism; archetypal, psychological, social, and formalist.
- Apply these critical techniques to poetry, short stories, drama, and novels.
- Emphasis on passing the AP Literature Exam in the spring of the senior year.
- Comprehensive writing experience beyond Advanced Writing.
- Survey of Greek literature.
- Express divergent, sophisticated opinions through writing and oral discussion.
- A Senior Project that includes a formal presentation must be completed for English 12P credit to be issued.

### **PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (b)**

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## **READING IMPROVEMENT 1,2,3 & ELD ADVANCED 12** (Does not count for English credit)

Duration: Year, 5 credits/semester (Repeatable for credit; 40 cr. max)

Grade: 9-12

Prerequisites: Considers multiple measures for placement---State standardized testing scores, STAR test score, ELPAC score, EL Classification, counselor recommendation, need for support

These scaffolded classes provide additional support to English learners and other learners struggling with Core English 9-12. Instruction is arranged to make grade-level content comprehensible and accessible to students who have not yet achieved native-like mastery of English. Courses are also open to non-EL students who need significant support on an as needed basis. Instruction is rigorous and is based on the California ELA/ELD standards. Students read and write in a variety of genres and continue high-level development of academic oral communications skills. A rich variety of literacy/instructional approaches are employed, including small group instruction. Emphasis is placed on reading in context and analysis of informational text. For the Advanced ELD 12 class, students receive additional support with the Sr. Project as well as the Cal State Expository Reading and Writing Curriculum. Students are concurrently enrolled in English 9-12-P.

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## **GENERAL ELECTIVES**

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**These courses count as general elective credit towards graduation.**

### **TOURISM - P**

Duration: Year, 5 credits /semester (repeatable for credit; 30 credit maximum)

Grade: 10-12

Prerequisites: Teacher approval

- Using the sea as a catalyst for learning in all disciplines, the Cabrillo Aquarium will prepare students to become ambassadors to the public via the vehicle of tourism.
- Students will participate in team-building skills, oral and written communication skills, technology skills, and career skills such as setting and achieving goals, writing a resume, completing projects and doing community service.
- Maintenance of the aquarium, animal husbandry, monitoring of exhibits and public speaking are integral components of this course.
- Students will be expected to meet outside of school hours to participate in community service opportunities such as monthly aquarium open house events.

### **MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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## **ADVANCED AQUARIUM OPERATIONS**

Duration: Year, 5 credits/semester

Grade: 10-12

Prerequisites: Teacher approval

This yearlong course will provide students in the Cabrillo High School Aquarium program an opportunity to explore advanced concepts critical to all aspects of a public aquarium. Through direct instruction and challenging, student-driven projects, participants will expand their knowledge of areas initially addressed in the Tourism: School to Career course. Major topics include Life Support, Husbandry, Interpretation and Exhibit Development. Students will develop problem solving skills in a complex, living laboratory; apply factual knowledge to analyze and address myriad challenges; become proficient presenters and listeners; and gain unique skills that may spark further interest and study after high school. Leadership and job skills will also be developed throughout this course.

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## **HEALTH EDUCATION**

Duration: Semester, 5 credits

Grade: 9

Prerequisites: None

The comprehensive health education class is designed to promote healthy living and discourage health-risk behaviors among all students. Through quality instructional approaches, learners increase essential knowledge and are encouraged to compare and contrast their beliefs and perceptions about health issues. Students will be able to analyze, assess, use interpersonal communication skills, use decision making skills and goal setting skills with the following topics: mental, emotional and social health, personal and community health, disease and disease prevention (communicable and non-communicable), alcohol, tobacco, and other drugs, injury prevention and safety, sexual health, nutrition and physical activity and physical growth and development.

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## **CAREER AND COLLEGE READINESS - P**

Duration: Semester, 5 credits

Grade 9

Prerequisites: None

Career and College Readiness (CCR) is designed to help all students visualize a plan for a future of self-sufficiency. CCR is designed to inspire students to recognize their own potential, plan for a self-sufficient future, and achieve their own education and career goals. Students will learn the value of education and what a diploma means to their future life and career satisfaction. Students will develop a comprehensive 10-year plan and their own success, value and personal profile statements. Students will compile a comprehensive budget to include housing, transportation, and other real life responsibilities. Toward the end of the semester, students will compile their 10-year plan as a final project with attached resumes and go through mock interviews.

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## **DRIVERS EDUCATION**

Duration: Semester, 5 credits

Grade 9

Prerequisites: None

Driver education is a semester long course teaching the rules of driving in the State of California. Rules include, but are not limited to, dangers of drugs/alcohol and driving, punishments for using drugs/alcohol while driving, speed limits, safely driving around large vehicles, light rail vehicles, trolleys and street cars, safe passing, how to drive safely around pedestrians, and many other laws involved with driving a vehicle. Upon completion of the course, passing students will earn their, "Pink Slip" which allows them to take the DMV permit test when they reach the age of 15 ½ . The pink slip does not give them permission to drive with a parent or guardian until they have passed the permit test AND started Driver's Training.

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**AVID 9 - P**

Duration: Year, 5 credits/semester

Grade 9

Prerequisites: None

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

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**AVID 10 - P**

Duration: Year, 5 credits/semester

Grade 10

Prerequisites: None

This second sequence of Advancement Via Individual Determination (AVID) is an academic elective, A-G course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, student receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. In the 10<sup>th</sup> grade year, students will continue to refine their academic learning plans and goals, increasing awareness of their actions and behaviors, as well as develop an increased ability to self-monitor, self-regulate and manage time. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**AVID 11 - P**

Duration: Year, 5 credits/semester

Grade 11

Prerequisites: None

Advancement Via Individual Determination (AVID) is an academic elective, A-G course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by the AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills and academic success skills. The course emphasizes rhetorical reading, analytical writing, collaborative discussions strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking and research. The eleventh grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of firsthand second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**AVID 12 - P**

Duration: Year, 5 credits/semester

Grade 12

Prerequisites: None

The fourth sequence of Advancement Via Individual Determination (AVID) is an academic elective, A-G course that prepares students for college readiness and success, and it is scheduled during the regular school day as a yearlong course. Each week, student receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, strengthen metacognitive development, analytical reading and writing, communication skills and academic success skills. In AVID, student participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. In the 12<sup>th</sup> grade year, students will continue to refine their academic learning plans and goals, create legacy projects including service learning projects/mentoring, as well as develop an increased ability to self-monitor, self-regulate and manage time. Students will expand their writing portfolio to include: an argumentative research paper on social issue and detailed reflections. Lastly, students will prepare for college through the use of inquiry based collaborative study groups utilizing higher order thinking questioning techniques.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**LANGUAGE OTHER THAN ENGLISH**

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All Language Other Than English courses (marked "P") partially meet UC and CSU entrance requirements. The "e" requirement for UC entrance is met by level 2.

**SPANISH 1-P**

Duration: Year, 5 credits/semester

Grade: 9-12

Prerequisites: None

The dominant language in the classroom, for all communication purposes, is the target language. Students develop elementary receptive language skills of listening and reading. Listening comprehension is introduced through the Total Physical Response Method. The student develops the productive language skills of speaking and writing. Communication in the Language Other Than English is the main objective and the continuing enabling activity of classroom learning. The culture of countries speaking the language is stressed as an integral part of language learning, permeating all aspects of the process. First year language students will learn basic objects, colors, clothing, family members, time, days of the week, months, dates, weather, numbers, greeting, frequent adjectives and verbs, and classroom expressions.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (e)**

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**SPANISH 2-P**

Duration: Year, 5 credits/semester

Grade: 9-12

Prerequisites: Level 1 with a "C" or better or teacher recommendation; or two years of Language Other Than English in grades 7-8 with a "B" or better and/or teacher recommendation.

The second year of the Language Other Than English study follows a similar pattern as developed in the first year. The dominant language in the classroom is the Language Other Than English. Communication is the main objective. Vocabulary development includes areas such as meals, lodging, transportation, and time; normal commands; frequent instructions; and courtesy interchanges. Students learn to recognize differences in the present, past, and future tenses and to respond to other frequently encountered grammatical signals. Students learn to understand stories and other long language sequences that use familiar vocabulary and structures.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (e)**

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### **FRENCH, OR SPANISH 3-P**

Duration: Year, 5 credits/semester

Grade: 10-12

Prerequisites: Level 2 with grades of "B" or better, or teacher / counselor approval

Continuing in the same methodology established in Levels 1 and 2, students in third year of Language Other Than English learn to understand much authentic material which uses vocabulary and forms studied and practiced in class. Students learn to comprehend movie dialogues, recorded stories and dramas studied in class, and fairly complex directions and explanations by the teacher. The students learn to comprehend information about some sophisticated topics and reading which they have studied in class. Control of grammar includes the most frequent verb forms for operating in the past, present and future; basic pronoun forms; prepositions; frequent adjective forms; genders; possessives; etc. As in Levels 1 and 2, verbal and written communication is the objective.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (e)**

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### **FRENCH 1-P**

Duration: Year, 5 credits/semester

Grade 9 - 12

Prerequisites: None

This course is an introduction to the French language, presenting students with the basic skills for vocabulary and grammar recognition and use, as well as stressing pronunciation, oral skills, reading and writing at the elementary level. Using a communicative style, students practice French grammar and vocabulary, sentence structure and oral skills [listening and speaking]. This course also includes an introduction to cultural aspects of the French-speaking world.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (e)**

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### **FRENCH 2-P**

Duration: Year, 5 credits/semester

Grade 9 - 12

Prerequisites: French 101

This course is a continuation of French 101, presenting students with the basic skills for vocabulary and grammar recognition and use, as well as stressing pronunciation, oral skills, reading, and writing at the same elementary level. Using a communicative style, students practice French grammar, sentence structure, vocabulary, and oral skills [listening and speaking]. This course also includes cultural aspects of the French-speaking world.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (e)**

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### **ADVANCED PLACEMENT LANGUAGE**

#### **FRENCH 4-P AND SPANISH 4-P**

Duration: Year, each; 5 credit/semester weighted GPA

Grade: 10-12

Prerequisites: Level 3 with grade of "B" or better or teacher recommendation.

This course follows a syllabus approved by the College Board administrators of the AP language exams. Students are expected to communicate in the target language at this level. This course achieves the following goals: 1) Develop receptive and productive language skills with depth material about special interest topics. 2) Write formal and informal essays. 3) Prepare the student for the Advanced Placement Exam in Language in order to qualify for college credit.

This course differs from previous high school Spanish/French courses. Students must be prepared to do an intensive amount of reading, vocabulary, and grammar activities from college level textbooks. There will be approximately 7 hours of additional homework a week.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (e)**

**AP EXAM MAY BE TAKEN IN MAY**

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## **ADVANCED PLACEMENT LITERATURE**

### **\*SPANISH 5-P**

Duration: Year, each; 5 credit/semester weighted GPA

Grade: 11-12

Prerequisites: Level 4 with a grade of "B" or better, or teacher recommendation.

This course follows a syllabus approved by the College Board administrators of the AP language exams. Students read, discuss and analyze the works of major authors chosen by the AP Board. Focus is on understanding, listening to lectures, and writing formal essays about themes in literature. This course prepares students for the Advanced Placement Exam in Literature in order to qualify for college credit Spanish/French Literature.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (e)**

**AP EXAM MAY BE TAKEN IN MAY**

**\*COLLEGE BOARD NO LONGER OFFERS AP FRENCH 5 EXAM**

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## **INDUSTRIAL TECHNOLOGY**

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### **AUTOMOTIVE INTRODUCTION**

Duration: Year, 5 credits/semester

Grade: 9-12

Must pass first semester to enroll in second semester

Prerequisites: None

Automotive Introduction is a lecture/laboratory/ demonstration course in which the student will receive instruction and "hands on" experience. Major topics will include shop safety, use of common hand tools and measuring devices, engine theory, engine construction, fuel systems and ignition systems. Periodic vehicle maintenance, service station practices and safety inspections are covered second semester.

### **Career Tech Ed (Introductory)**

**SYSTEMS DIAGNOSTICS, SERVICE, AND REPAIR CTE PATHWAY**

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### **ADVANCED AUTOMOTIVE - P**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone)

Grade: 11-12

Prerequisites: Automotive Introduction (pass with a C or better) or instructor approval.

Students who enroll in this class will prepare for careers in the automotive repair industry. Students will be trained for mechanic positions in tune-up, front end, brakes, transmissions and wheel alignment.

### **Career Tech Ed Capstone**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**SYSTEMS DIAGNOSTICS, SERVICE, AND REPAIR CTE PATHWAY**

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## **AUTOMOTIVE SERVICE QUEST**

Duration: Semester, Year, 5 credits/semester

Grade 10-12

Prerequisites: Automotive Introduction AND instructor approval

Automotive Service Quest is an intermediate auto course designed to prepare students for the advanced automotive course. Students will learn to perform light engine diagnosis such as no start or poor running conditions. Students in Automotive Service Quest will explain the different automotive systems in depth to further their knowledge. Students in Automotive Service Quest will be required to show mastery of the tire machine, wheel balancer, automotive lifts and various other shop equipment. Students are expected to perform an oil and filter change along with a comprehensive 27-point safety inspection.

### **Career Tech Ed (Concentrator)**

**SYSTEMS DIAGNOSTICS, SERVICE, AND REPAIR CTE PATHWAY**

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## **AUTO TUNE UP AND EMISSIONS**

Duration: Year, double period, 10 credits/semester. Repeatable for credit

Grade: 11-12

Prerequisites: Advanced Automotive, pass with C or better, or Instructor Approval

Students train for entry-level employment as a tune-up mechanic's helper, automotive exhaust emissions technician's helper, vehicle fuel systems mechanic's helper, and general mechanic's helper.

### **Career Tech Ed (Concentrator)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

**SYSTEMS DIAGNOSTICS, SERVICE, AND REPAIR CTE PATHWAY**

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## **AUTO BRAKES / FRONT-END**

Duration: Year, double period, 10 credits/semester. Repeatable for credit

Grade: 11-12

Prerequisites: Advanced Automotive, pass with C or better, or Instructor Approval

Students train for entry-level employment as a brake mechanic's helper, front-end alignment mechanic's helper, and general mechanic's helper.

### **Career Tech Ed Concentrator**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ARTICULATES WITH ALLAN HANCOCK COLLEGE**

**SYSTEMS DIAGNOSTICS, SERVICE, AND REPAIR CTE PATHWAY**

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## **INNOVATION: 3D MODELING & PROTOTYPING UNDER POWER, ENERGY & TRANSPORTATION - P**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 10-12

Repeatable for Credit

Prerequisites: Graphic Design or Intro Auto or Computer Programming or Innovation or instructor approval: Entrepreneurship or Innovation: Design Thinking & Invention. Teacher recommended/approved.

In this course, students will be taught how to use the modern tools of light fabrication, 3D modeling and product/industrial design. In addition, students will learn basic hand tool use, basic CNC operation and the use of 3D printers, laser cutters, and various other tools for prototyping and fabricating products. Students will work closely with other students in the Design Thinking & Invention class to realize their ideas in a physical prototype.

### **Career Tech Ed (Concentrator)**

**MEETS UC ENTRANCE REQUIREMENT (g)**

**PRODUCT INNOVATION & DESIGN CTE PATHWAY**

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## **ADVANCED 3D PROTOTYPING**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grades: 11-12

In this course students will be taught and apply advances principles of design thinking, interaction design skills, and the engineering design process as they master how to design and engineer a product. They will develop and create advances fully functional devices (prototypes) that include mechanics and/or electronics software. Potential product designs include robots, hand-held electronic devices, smart toys or smart machines (using software and sensors), general mechanical devices, and products and products. Advances students will learn to maintain the equipment they use to prototype such as the laser cutter, 3d printers, vinyl cutter and CNC machines.

### **Career Tech Ed (Capstone)**

#### **PRODUCT INNOVATION & DESIGN CTE PATHWAY**

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## **FLORICULTURE/FLORAL DESIGN – P**

Duration: Year, 5 credits/semester

Grades: 9-12

Prerequisites: None

Students will learn and understand the theory, techniques and skills currently practiced in the floral design industry. Student will also learn and develop skills needed for the construction of basic floral projects. Other aspects of the floricultural industry discussed in this class will include cut flower processing, industry sales practices, career opportunities and preparation, merchandising and packaging of floral projects.

### **Career Tech Ed (Concentrator)**

#### **MEETS UC ENTRANCE REQUIREMENT (f)**

#### **ORNAMENTAL HORTICULTURE CTE PATHWAY 1**

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## **ADVANCED FLORICULTURE**

Duration: Year, 5 credits/semester

Grades: 10-12

Prerequisites: Floriculture

Students will learn tasks associated with an entry level position at a floral shop. Building upon knowledge gained in Floriculture, students will deepen their knowledge about the business side of floriculture through the operation of an on-campus flower shop. New materials and flowers will be introduced as well as modern techniques to build student confidence and readiness for a career in the flower industry.

### **Career Tech Ed (Capstone)**

#### **ORNAMENTAL HORTICULTURE CTE PATHWAY 1**

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## **ORNAMENTAL HORTICULTURE 1– P**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone)

Grade: 10-12

Year, single period, 5 credits/semester (10 credits max.)

Prerequisites: None

Students will learn skills in ornamental and production plant growing and tending. Instruction includes plant propagation, soil mixtures and sterilization, irrigation, potting and canning, fertilizers, floral design, pesticides, greenhouse operations, plant identification, tools and materials, basic landscaping and business management.

### **Career Tech Ed (Concentrator)**

#### **MEETS UC SUBJECT ENTRANCE REQUIREMENTS (g)**

#### **MEETS VOCATIONAL CAPSTONE REQUIREMENT**

#### **ORNAMENTAL HORTICULTURE CTE PATHWAY 2**

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## **ORNAMENTAL HORTICULTURE 2**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone)  
Year, single period, 5 credits/semester (10 credits max.)

Grade: 11-12

Prerequisites: Ornamental Horticulture or Instructor approval

In this class special emphasis will be placed on development of advanced Ornamental Horticulture skills, computer applications and business management.

### **Career Tech Ed (Capstone)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**ORNAMENTAL HORTICULTURE CTE PATHWAY 2**

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## **VITICULTURE OPERATIONS I – P**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone)  
Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade: 10-12

Prerequisites: None

Students will learn the skills needed to maintain cultivated wine grapes in a vineyard at Cabrillo. Operations will follow the seasons of the year from harvest in November to cordon pruning in March, and shoot training and leaf removal through June. Vineyard management techniques such as irrigation, fruit removal, bird netting, and preventative spraying will be practiced. Students who excel in the program are recommended for scholarships and internships at local vineyards.

### **Career Tech Ed (Concentrator)**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**PLANT & SOIL SCIENCE CTE PATHWAY**

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## **VITICULTURE OPERATIONS II – P**

Duration: Semester, double period, 10 credits /semester (10 cr. required for Capstone)  
Year, single period, 5 credits/semester (10 credits max.)

Grade: 11-12

Prerequisites: None

This class is designed to continue skill development in viticulture and vineyard management. Some of the topics covered in this course are grapevine physiology and structure, establishing the vineyard, fertilizing vines, irrigation and vineyard equipment. The course curriculum promotes extensive student interaction and hands-on training with a particular emphasis on career awareness.

### **Career Tech Ed (Capstone)**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**PLANT & SOIL SCIENCE CTE PATHWAY**

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## MATHEMATICS

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**NOTE:** Courses marked “P” meet UC and CSU entrance requirements.

### GRADUATION REQUIREMENTS IN MATHEMATICS: 30 CREDITS - INCLUDING MATH 1

#### SELECTION AND SEQUENCES AVAILABLE:

<b>Selection 1:</b>	<b>MINIMUM MATH GRADUATION REQUIREMENT:</b>
	9 <sup>th</sup> Grade: Math 1
	10 <sup>th</sup> Grade: Math 2
	11 <sup>th</sup> Grade: Accounting & Finance or Math 3
	12 <sup>th</sup> Grade:
<b>Selection 2:</b>	<b>COLLEGE PREP:</b>
	9 <sup>th</sup> Grade: Math 1
	10 <sup>th</sup> Grade: Math 2
	11 <sup>th</sup> Grade: Math 3
	12 <sup>th</sup> Grade: Pre-Calculus or Statistics
<b>Selection 3:</b>	<b>COLLEGE PREP (ACCELERATED/ADVANCED PLACEMENT):</b>
	9 <sup>th</sup> Grade: Math 2
	10 <sup>th</sup> Grade: Math 3
	11 <sup>th</sup> Grade: Pre-Calculus - Honors
	12 <sup>th</sup> Grade: AP Calculus

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#### MATH 1 - P

Duration: Year, 5 credits /semester

Grades: 9-12

Prerequisites: “C” in **BOTH** semesters of regular 8<sup>th</sup> grade math

Homework: 30 minutes per day

Requirement for graduation

Integrated Math 1 is a yearlong course to master foundational algebraic and geometric skills in accordance with the common core state standards. Students will solve systems of equations and inequalities in contextual situations, recognize and apply patterns found in arithmetic and geometric sequences, extend this understanding to linear and exponential functions, develop an understanding of geometrical congruence and apply these concepts to constructions and proofs, and develop an understanding of data distribution models (statistics).

**It is highly recommended that students have a ruler, protractor and compass of their own. Additionally, it is helpful for students to have access to a graphing calculator or online graphing calculator**

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#### MATH 2 - P

Duration: Year, 5 credits /semester

Grades: 9-12

Prerequisites: “C” in **BOTH** semesters of Math 1

Homework: 45 minutes per day

Math 2 is a year-long course to master quadratic functions, structures of equations including quadratic equations, identifying features within functions, geometric figures, finding similarity in right triangle trigonometry, geometric properties of circles, circles and other conic sections and probability.

**It is highly recommended that students have a ruler, protractor and compass of their own. Additionally, it is helpful for students to have access to a graphing calculator or online graphing calculator.**

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### **MATH 3 –P**

Grades 9-12

Durations: Year, 5 credits/semester

Prerequisites: “C” in **BOTH** semesters of Math 2

*Homework: 45 minutes per day*

Math 3 is a year-long course using the foundation of functions and their inverses to understand the structure and features of logarithmic, polynomial, rational and trigonometric functions. Application of functions and geometric methods are used to model situations. Additionally, students will add to their prior experience with statistical data using the normal curve and z-scores to support claims based on data collection.

**It is highly recommended that students have access to a graphing calculator or an online graphing calculator.**

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### **PRE-CALCULUS– P**

Duration: Year, 5 credits /semester

Grades 11-12

Prerequisites: “C” in **both** semesters of Math 3 or “B” in **both** semesters of Math 2 and concurrent enrollment in Math 3

*Homework: One hour per day*

To update to common core state standards, the primary goal of Pre-Calculus is to establish skills in polynomial, rational, exponential, logarithmic functions, and trigonometry in preparation for calculus. Additionally, students will be introduced to matrices, ellipses, hyperbolas, polar coordinates, vectors, parametric equations and limits.

**It is highly recommended that students have access to a graphing calculator or online graphing calculator.**

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### **PRE-CALCULUS (H) – P**

Duration: Year, 5 credits /semester

Grades: 10-12

Prerequisites: “B” in Math 3 **both** semesters

*Homework: One hour per day*

To update to common core state standards, the primary goal of Pre-Calculus is to prepare students for calculus through the review of conics, polynomial, rational, exponential, logarithmic functions, and trigonometry in preparation for calculus. New topics include inverse trigonometric functions, matrices, vectors, polar coordinates, De Moivre’s Theorem, parametric equations, and limits.

**It is highly recommended that students have access to a graphing calculator or online graphing calculator.**

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### **STATISTICS – P**

Duration: Year, 5 credits /semester

Grade: 11-12

Prerequisites: “C” in Math 1, Math 2 and Math 3 **both** semesters

*Homework: 45 minutes per day*

Statistics is a 4th year course offered as an alternative to Pre-Calculus or Calculus for those students who will be continuing in mathematics in college but who are more likely to go into business or the social sciences. Students learn to display data, examine data distribution, analyze relationships between categories of data, produce data in samples and experiments. They learn to make inferences from data based on sampling distributions, probability distributions, confidence intervals, hypothesis tests, and a variety of statistical models.

**It is highly recommended that students have a graphing calculator of their own.**

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## **AP CALCULUS AB – P**

Duration: Year, 5 credits /semester

Grade: 11-12

Prerequisites: “B” in Pre-Calculus or teacher recommendation

Homework: 1 to 1 ½ hours per day

This course is only for the exceptional student who has mastered pre-calculus. It will consist of basic differentiation and integration of functions of a single variable. Students completing high school calculus should plan to take the Advanced Placement Exam to qualify for college credit in calculus.

**Students take the Advanced Placement Examination in May**

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## **ACCOUNTING & FINANCE I**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade: 11-12

Prerequisites: Basic math ability and working knowledge of computers, Math 1

Students will apply technology to common business tasks in accounting, finance and personal investments. Students will analyze, record, and interpret business transactions in the accounting cycle for proprietorships and partnerships using traditional ledger and computer software.

**RECEIVES MATH CREDIT**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

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## **PHYSICAL EDUCATION**

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### **PHYSICAL EDUCATION CREDIT REQUIREMENTS:**

Physical Education is required in each semester of the 9<sup>th</sup> grade and for two more semesters in 10, 11, or 12<sup>th</sup> grades. Students may take only one Physical Education period for credit per semester. (Exceptions will be made for Physical Education credit make up only.)

A maximum of 40 credits of Physical Education may be applied toward graduation credit.

Freshman students are required to enroll in the 9<sup>th</sup> grade Physical Education classes. Sophomore, Junior, and Senior students may elect from available Physical Education course offerings.

The California “Fitness Gram” physical fitness testing is required for all freshman students as well as 10-12 grade students that have not met the minimum requirement passing 5 out of 6 categories with the California Fitness Gram. Students obtaining 5 of 6 passing score will be granted a 2 year exemption from the local education agency. (EC Section 51241/EC 60800)

### **P.E. SAFETY REQUIREMENTS:**

In order to prevent thefts, the safety of each student and their health, all students Physical Education students are required to have an approved physical education uniform and a school approved lock (which can be purchased through ASB or checked out as a loner. Replacement for lost lock is \$6). The uniform consists of a plain black, gray or white t-shirt and black shorts, socks and a sturdy pair of athletic shoes (laced tennis shoes). Sweat clothing is acceptable but must be school colors (black, white, gold or gray). Uniforms may be purchased at school in the Activities Office; locks may be purchased through the school, or checked out through ASB room.

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## **PHYSICAL EDUCATION 1**

Duration: 5 credits each semester

Grade: 9

Prerequisites: None

***A required course for all 9<sup>th</sup> grade students***

This course will develop the students' proficiency in movement skills, expand capacities for independent learning, and examine practices that allow sound decision making to enhance successful participation in movement activities. The content of this course will provide a variety of physical activities necessary to develop the skills and knowledge essential to a healthy active lifestyle. The focus will be on Individual and dual sports, physical activity and personal fitness.

Every 9<sup>th</sup> grade student will be required to participate in the California "Fitness Gram" physical fitness testing. The test includes: 1 mile run, push-ups, curl-ups, flexibility sit n' reach, trunk lift, and body composition (BMI). A student must pass (be within the "Healthy Fitness Zone") 5 out of the 6 test areas to pass the California Physical Fitness Test.

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## **PHYSICAL EDUCATION 2**

Duration: 5 credits per semester; (Repeated for credit; 30 credits maximum)

Grade: 10-12

Prerequisites: 9<sup>th</sup> grade Physical Education

This course will continue to develop the students' personal fitness and movement skill proficiency, giving the student a foundation for a physically active lifestyle. The content areas will provide a variety of team sports and physical activities necessary to develop the skills and knowledge essential to the individual for the selection of lifetime movement pursuits.

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## **PHYSICAL EDUCATION 3**

Duration: 5 credits per semester; (Repeated for credit; 30 credits maximum)

Grade: 10-12

Prerequisites: Physical Education Course 2

This course is designed to give students the opportunity to learn through a LIF comprehensive sequentially planned Kinesiology and Physical Education program in accordance with the California Model Content Standards for Physical Education. Students will be empowered to make choices, meet challenges and develop positive behaviors in fitness, wellness and movement activity for a lifetime. Emphasis is placed on students analyzing skills for effective movement. Units of instruction include: aquatics, aerobic activities, weight training and fitness (including development of a personalized workout program), individual and dual activities, adventure/outdoor activities, and rhythm/dance.

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## **CIF PHYSICAL EDUCATION / ADVANCED PHYSICAL EDUCATION**

Duration: 5 credits per Semester; (Repeated for credit; 40 credits maximum)

Grade: Varsity level Athlete

Prerequisites: Written approval of coach of the interscholastic sport, concurrence by the Athletic Director, at least a 2.0 GPA and meeting all California Interscholastic Federation (CIF) eligibility rules. See Cabrillo Student Handbook for a summary of CIF Eligibility Rules. Questions should be referred to the Athletic Director.

These courses provide specialized training in the appropriate sport for selected varsity athletes. Students must have 2.0 GPA to participate. Grading periods for eligibility; Progress Report 1, Progress Report 2, Semester I, Progress Report 4, Progress Report 5, and Semester2. Summer school grades may be included in the Semester 2 calculations.

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## **ADVANCED WEIGHT TRAINING**

Duration: 5 credits per semester, (Repeated for credit; 30 credits maximum)

Grades: 10 – 12

Prerequisites: Physical Education Course 1

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

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## **FITNESS EXPLORATION 1**

Duration: Year, 5 credits per Semester

Grades: 10-12

Prerequisites: Completion of Physical Education 9 with a “C” or better, or teacher’s recommendation

This class focuses on components of advance physical fitness, kinesiology, exercise physiology, and anatomy. Students will analyze human movement, advanced exercise and exercise science techniques. This class will help develop personal goals related to one’s own design fitness goals.

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## **FITNESS EXPLORATION 2**

Duration: 5 credits per semester (Repeated for credit; 30 credits maximum)

Grades: 10 – 12

Prerequisites: PE 1 or Fitness Exploration 1

This course is designed to give students a greater expansion opportunity to understand and analyze fitness concepts and conditioning techniques used for obtaining optimal physical fitness in aerobic type activities. Students will benefit from comprehensive cardiorespiratory endurance activities. Students will learn the analyze fundamentals movements of strength training muscle groups in accordance with aerobic training, and overall physical development and movement analysis. Course includes both lecture and lab analysis activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

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## **SCIENCE**

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**Note:** Courses marked “P” meet UC and CSU entrance requirements. Students have the right to refuse to participate in activities involving dissections of frogs or other animals or animal parts, by notifying their science teacher of their moral objection to dissecting animals and by completing a comparable alternative project agreed to by the teacher.

All students must complete three years of science (30 credits), one of which must be physical science and one of life science.

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## **INTEGRATED SCIENCE 1 - P**

Duration: Year, 5 credits/ semester

Prerequisites: None

Integrating concepts from the Next Generation Science Standards, students will explore the composition and building blocks of life. The course incorporates themes of biochemistry, cellular biology, change over time, and movement of matter through systems. Hands-on laboratory activities will support NGSS Science & Engineering Practices and Crosscutting Concepts.

**THIS COURSE MEETS THE GRADUATION REQUIREMENT FOR A LIFE SCIENCE, PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **INTEGRATED SCIENCE 2 - P**

Duration: Year, 5 credits/semester

Grade: 10

Prerequisites: Passing grade in Integrated Science 1

This is the second of three years of required laboratory/activity science sequence. Integrating concepts from the Next Generation Science Standards (NGSS), students will explore the flow of matter and energy through biotic and abiotic systems. The course incorporates themes of matter, energy, equilibrium, homeostasis, matter and energy cycling, ecosystems and human impact. Hands-on laboratory activities will support NGSS Science & Engineering Practices, Crosscutting Concepts, and Disciplinary Core Ideas.

**THIS COURSE MEETS THE GRADUATION REQUIREMENT FOR A PHYSICAL SCIENCE, PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **BIOLOGY 9 HONORS - P**

Duration: Year, 5 credits/semester

Grade: 9 only

Prerequisite: Enrollment in Math 2 required and/or counselor recommendation

This course introduces the student to the main concepts and principles of modern biology including Biochemistry, Cellular biology, Diversity of life, Heredity and Ecology. Emphasis is also placed on laboratory approach to learning, elevating note taking and study skills and preparing for college level learning. Ninth grade students approved for this course will typically complete 4 years of Science, including AP Physics or AP Biology.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **CHEMISTRY-P**

Duration: Year, 5 credits/semester

Grade: 10-12

Prerequisites: "C" in H Biology and Math 2 or "B" in Integrated Science 2 plus "C" in Math 2. Students must maintain a "C" grade during 1<sup>st</sup> semester in order to continue to 2<sup>nd</sup> semester.

- This course in general chemistry is intended for students planning to attend college.
- The curriculum follows the recommendations of the state college board for entering freshman and is of special value to students planning careers in science or any applied field such as engineering or medicine.
- The goal of this course is to provide the student with a good knowledge of the basic principles and theories of chemistry and the laboratory experience.
- This course requires a minimum of a half an hour of homework every night.

**MEETS THE GRADUATION REQUIREMENT FOR A PHYSICAL SCIENCE**

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **AP CHEMISTRY - P**

Duration: Year, 5 credits/semester

Grade: 11-12

Prerequisites: "A" in Chemistry (or "B" plus teacher recommendation), and concurrent enrollment in an advanced math course

This course is designed to be the equivalent of a full first-year college chemistry course. The course is structured around the six big ideas outlined by the College Board: Arrangement of matter, Properties of matter, Changes in matter, Rates of chemical reactions, Thermodynamics, and Equilibrium. Chemical calculations and the mathematical formulation of principles are stressed. Labs are included to supplement the learning in the lecture section of the course as well as to give students the opportunity to use critical thinking skills to solve complex problems.

**MEETS THE GRADUATION REQUIREMENT FOR A PHYSICAL SCIENCE. PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **ADVANCED INTEGRATED SCIENCE - P**

Duration: Year, 5 credits/semester

Grade: 11-12

Prerequisites: Passing grade in Integrated Science 2

This is the third of three years of required laboratory/activity science sequence. This NGSS-aligned course utilizes the theme “Forces that govern the universe” to help students learn physical science concepts and apply them to the real world. These concepts include Universe and Stars, Forces that Shape the Earth, Newton’s Laws, Energy, Waves, Electricity and magnetism. Students will also use physical science concepts to design, assemble, and test a Remotely Operated Vehicle (ROV). Students are expected to complete simple algebraic problems, maintain a scientific notebook/journal, and participate in a competitive ROV design challenge and competition.

**MEETS THE GRADUATION REQUIREMENT FOR A PHYSICAL SCIENCE  
PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **AP BIOLOGY-P**

Duration: Year, 5 credits/semester

Grade: 11-12

Prerequisites: “B” in Chemistry or Advanced Integrated Science

This course follows the suggested outline for a general biology course taken during the first year of college. Concepts in Biology include Molecules and Cells, Heredity, Evolution, Organisms and Populations. Emphasis is placed on preparing for both multiple choice and essay parts of the AP Exam and Quantitative laboratory design and analysis. Students must be prepared to do extensive amounts of reading and 7 hours of homework a week.

**MEETS THE GRADUATION REQUIREMENT FOR A LIFE SCIENCE  
PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **MARINE SCIENCE-P**

Duration: Year, 5 credits/semester

Grade: 11-12

Prerequisites: “C” or better in Integrated Science 2 or Chemistry

Marine Science is a college preparatory class focusing on the physical and biological principles of the marine environment. Besides having an interest in the ocean, students should have an understanding of biology and chemistry as well as the motivation and discipline to learn about the complex interactions in the ocean. The first semester emphasis is on physical oceanography, covering topics such as ocean circulation, water chemistry, waves and tides. The second semester focuses primarily on marine biology, and looks at ecological communities, symbiotic relationships, as well as marine zoology and taxonomy.

**MEETS THE GRADUATION REQUIREMENT FOR A SEMESTER OF PHYSICAL SCIENCE AND A SEMESTER OF BIOLOGICAL SCIENCE - PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **PHYSICS – P**

Duration: Year, 5 credits/semester

Grade: 11-12

Prerequisites: “C” or better in Math 3 (may be taken concurrently)

Physics is the study of matter and energy and the interactions between them. This course exposes students to some of the major concepts in physics that they will encounter in a post-secondary physics course of study. Students will learn about the pursuit of science and scientific data, velocity, acceleration, gravity, forces, Newton’s Laws of motion, vectors, momentum, energy, electricity, magnetism, sound, and light. Students can expect to apply content to laboratory procedures, scientific thinking and reasoning, problem solving, hands-on application projects, and research based application projects. Students will be given the opportunity to develop their skills and understanding of course concepts through lecture, discussions, experiments, and collaborative learning activities.

**MEETS THE GRADUATION REQUIREMENT FOR A PHYSICAL SCIENCE  
PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d) (Pending)**

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**AP PHYSICS - P**

Duration: Year, 5 credits/semester

Grade: 11-12

Prerequisites: "C" or better in Math 3 (may be taken concurrently)

Physics is the study of matter and energy and the interactions between them. This course exposes student to some of the major concepts in physics that they will encounter in a post-secondary physics course of study. Students will learn about the pursuit of science and scientific data, velocity, acceleration, gravity, forces, Newton's Laws of motion, vectors, momentum, energy, electricity, magnetism, sound and light. Students can expect to apply content to laboratory procedures, scientific thinking and reasoning, problem solving, hands-on application projects, and research based application projects. Students will be given the opportunity to develop their skills and understanding of course concepts through lecture, discussions, experiments and collaborative learning activities.

**MEETS THE GRADUATION REQUIREMENT FOR A PHYSICAL SCIENCE  
PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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**SCIENCE QUEST - P**

Duration: Semester, Year, 5 credits/semester

Grade: 11-12

Prerequisites: Instructor recommendation and approval

This course allows students to study independently a science subject that is of special interest to them. The outcome may be the completion of a project, a written report or passing scores on tests of new knowledge. In order to enroll, each student must find an instructor who is willing to guide the student's study program and evaluate the outcome. The student should come into this program with a strong background in the subject to be studied.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**ANATOMY - P**

Duration: 1 year, 5 credits/semester

Grade: 11-12

Prerequisite: "C" or better in Integrated Science 2 or Chemistry, or Instructor's approval

This course is for those students who have an interest in the anatomy of the human body and the medical field. The general content of this course will include the following systems: Nervous system, Integumentary, cardio respiratory, musculoskeletal and the digestive system.

This course will include an opportunity to hear about different medical related career fields. This course is designed to apply terminology and concepts to health, wellness and clinical situations.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **HONORS ANATOMY – P**

Duration: 1 year, 5 credits/semester      Grade: 11-12

Prerequisite: “B” or better in Integrated Science 2, or Instructor's approval

Honors Anatomy is a rigorous second year life science course for students who have an interest in the anatomy of the human body and the medical field and related professions. It is intended to prepare students for the rigor of an AP class and for advanced training in the community college or university setting. This course is also intended to strengthen understanding of some AP Biology topics.

The general content of this course will include the following systems: Nervous system, integumentary, cardio respiratory, musculoskeletal and the digestive system. This course is designed to apply terminology and concepts to health, wellness and clinical situations. It will include an overview of the medical field, job opportunities and career preparation.

This course is a lab science which includes various activities in anatomy and physiology. The course will culminate with a cat dissection. Course credits require completion of cat dissection and 16 community clinical hours in the medical field. A college level textbook is used so the students must have good study and reading skills.

### **PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (d)**

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## **SPORTS MEDICINE 1 & 2 – P**

Duration: Year, double period, 10 cr./sem. (20 cr. required for Capstone)

Grade: 11-12

Prerequisites: Minimum “C” overall GPA and good attendance, successful completion of two years of science (Integrated Science 2 recommended) with a minimum “C” grade or Instructor approval.

**Must have own transportation to training site.**

This course prepares students who are interested in a Health Science related career in which advanced training and a college degree may be necessary. This course focuses on lab methods, critical thinking and communication skills needed to advance as a science or medical major in a university. Educational requirements and job responsibilities of medical professionals will be investigated. The texts above will not all be covered in their entirety; however it will all be used to cover the curriculum. Supplemental text will also be used to add depth to understanding.

Internet streaming videos will be used to enhance the learning experience; some videos may be graphic in nature such as fractured bones, dislocated joints, surgeries, etc.

### **Career Tech Ed (Concentrator & Capstone)**

**MEETS CTE/VOCATIONAL CAPSTONE REQUIREMENT**

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

**PATIENT CARE CTE PATHWAY**

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## **SOCIAL SCIENCE**

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## **WORLD HISTORY/CULTURE/GEOGRAPHY - P**

Duration: Year, 5 credits/semester

Grade: 10 (Required)

Prerequisites: None

- A chronological survey of the world’s history with emphasis on the Enlightenment to the present day.
- The process of humans focusing on the political, social & economic impact on nation-states throughout the world.
- Mankind’s relationship with the world which is examined through geography

### **PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (a)**

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## **UNITED STATES HISTORY/GEOGRAPHY - P**

Duration: Year, 5 credits/semester

Grade: 11 (Required)

Prerequisites: None

- Understand how past events shape the present
- Comprehend the U.S. growth role in the global community
- Appreciate our diverse culture

### **MEETS UC SUBJECT ENTRANCE REQUIREMENT (a)**

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## **U.S. HISTORY 107**

Duration: Fall Semester 5 credits. College Units 3 for transferrable CSU/UC course

Grade: 11

Prerequisites: A, B or C in both semesters of World History; or concurrent teacher approval; Department Chair.

Homework: Readings 4-6 hours a week

A survey of United States history (New World exploration to 1877) and its method of research through critical thinking involving the economic, political, international, and ethnic factors fundamental for understanding the nation's origins and early development.

- Demonstrate the ability to read and interpret primary and the secondary and sources and to compose written arguments from multiple perspectives, using source material for support.
- Demonstrate an understanding of U.S. History through the classifications of race, class, gender, and ethnicity.
- Demonstrate an understanding of the development of the United States in a global context,
- Explain major economic, technological, and scientific developments and their historical significance.
- Analyze and evaluate major political trends, attitudes, conflicts, and events- both mainstream and reform movements- and explain their historical significance.

Analyze and evaluate major social and cultural trends, their causes and effects, and explain their historical significance.

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## **U.S. HISTORY 108**

Duration: Fall Semester 5 credits. College Units 3 for transferrable CSU/UC course

Grade: 11

Prerequisites: A, B, or C in both semesters of World History; A, B, C grade in 107; or concurrent teacher approval; Department Chair.

Homework: Readings 4-6 hours a week

A survey of the United States history (1877 to present) through philosophic systems as related to critical thinking involving the political, ethnic, economic, and international factors fundamental for understanding the nation's growth since the Civil War.

- Demonstrate the ability to read and interpret primary and secondary sources and to compose written arguments from multiple perspectives, using source material for support
  - Demonstrate an understanding of U.S. History through the classification of race, class, gender, and ethnicity
  - Demonstrate an understanding of the development of the United States in a global aspect
  - Explain major economic, technological and scientific developments and their historical significance
  - Analyze and evaluate major political trends, attitudes, conflicts and events-both mainstream and reform movements---and explain their historical significance.
  - Analyze and evaluate major social and cultural trends, their causes and effects and explain their historical significance.
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## **AP U.S. HISTORY - P**

Duration: Year, 5 credits/semester

Grades: 11-12

Prerequisites: An "A" in World History **and** English Honors 1<sup>st</sup> semester. Additional writing sample may be required in the spring.

- A college level course approved by the College Board with an elevated and accelerated curriculum
- An emphasis on the analytical skills and the understanding necessary to deal critically with the problems and materials in U.S. history
- Evaluate primary sources and interpretations presented in historical scholarship
- Social, political, religious, intellectual, technological, and economic history from discovery to the modern era
- Exploration of American diversity and identity, culture, demographic changes, economic transformation, the environment, globalization, politics, citizenship, reform, religion, slavery and its legacy, war, and diplomacy.
- Prepares students for the AP Exam in U.S. History that may earn college credit

### **MEETS THE GRADUATION REQUIREMENT FOR U.S. HISTORY**

### **MEETS UC SUBJECT ENTRANCE REQUIREMENT (a)**

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## **AMERICAN GOVERNMENT / CIVICS - P**

Duration: Semester, 5 credits

Grade: 12 (Required)

Prerequisites: None

- Development of principles of American democracy
- Understanding of local, state governments in comparison and contrast to executive, legislature, and judicial branches
- Political process of voters' ideas, beliefs and responsibility to take part in their civil duties in the political area.

### **PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (a)**

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## **AMERICAN GOVERNMENT CONCURRENT / CIVICS-P; POLITICAL SCIENCE 103**

Grade: 12 (Required)

Duration: Semester, 5 credits for High School Grad requirement. College units, 3 for Transferrable CSU/US course.

Prerequisites: Concurrent or AP U.S. History with an A or B and/or either Social Science U.S. teacher, Dept. Chair approval.

Homework: 4-6 hours reading per week.

American Government/Civics; Political Science 103 is designed to serve as a college level course where students will receive high school course credit along with college credit. This is a college course. This course will provide an in-depth study of:

- Describe and compare the U.S. political systems at the federal, state & local government levels.
  - Analyze competing political ideologies, specifically as they relate to U.S. politics.
  - Analyze current political issues.
  - Describe and evaluate how economic, cultural and social influence has affected the U.S. government policy making process.
  - Explain and apply constitutional principles to specific situations.
  - Evaluate how individuals' participation affects politics and democracy, and how it has changed over time.
  - Development of principles of American democracy, historically, traditionally & theoretically.
  - Civil liberties & civil rights originating from the Constitution & Judicial Review
  - A comprehensive analysis of legislative, executive, and judicial branches.
  - Political process of voters' ideas, beliefs, and responsibility to take part in their civil duties in the political arena.
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**ECONOMICS - P**

Duration: Semester, 5 credits

Grade: 12 (Required)

Prerequisites: None

Economics addresses basic economic issues of both microeconomics and macroeconomics. Emphasis will be placed on the understanding of basic economic concepts and the interdependence of the US and the world community. The class will also highlight the role of individual participation in economic institutions.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**ENTREPRENEUR ECONOMICS – P**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 11-12

Prerequisites: Basic math competency

Entrepreneur Economics examines the choice process from the perspective of the individual, the entrepreneur, and society as a whole. Students will understand the economic choices of what, how and for whom goods will be produced and are made in the various economic systems. Topics explored will include supply and demand, gross national product, unemployment, inflation, the monetary system, taxes, business and labor organizations and the interdependence of the world community. Students will employ the concepts of the Entrepreneur Economics to develop a viable business plan.

**Career Tech Ed (Capstone)****MEETS UC ENTRANCE REQUIREMENT (g)****MEETS LUSD GRADUATION REQUIREMENT IN ECONOMICS****MEETS VOCATIONAL CAPSTONE REQUIREMENT**

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**PSYCHOLOGY 1- P**

Duration: Semester, 5 credits (1st semester only)

Grade: 11-12

Prerequisites: None

This survey course covers scientific basis for psychology, learning theories and applications. Students are expected to master Key Terms and concepts

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**PSYCHOLOGY 2 - P**

Duration: Semester, 5 credits (2nd semester only)

Grade: 11-12

Prerequisites: Psychology 1 and 2 may not be taken concurrently

This course examines social problems in our society. Issues covered are mental illnesses and treatment, mental health, marriage family, delinquency and crime

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**SOCIOLOGY 1 - P**Duration: Semester, 5 credits (1<sup>st</sup> semester only)

Grade: 10-12

Prerequisites: None

This survey course covers examination of social values, norms, cultures, roles, family, and social structures. Students are expected to demonstrate knowledge of key terms and concepts

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

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**SOCIOLOGY 2 - P**Duration: Semester, 5 credits (2<sup>nd</sup> semester only)

Grade: 10-12

Prerequisites: Completion of Sociology 1.

Sociology 1 and 2 may not be taken concurrently

This course evaluates and discusses social institutions, investigates social problems and possible solutions. Students are expected to demonstrate knowledge through research projects.

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**SPECIAL EDUCATION SUPPORTS**

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**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (g)**

Grades:-9-12+

Prerequisites: Individualized Educational Program (IEP)

Specialized academic instruction (SAI) is determined by the Individual Education Plan (IEP) and is derived from assessment information, data collected, and goals developed in the student's areas of need. To ensure that students who receive Special Education services have appropriate access to the general curriculum, the team may determine supports needed by the student to make educational gains including adapting the content, approach or delivery of instruction. Services may be provided to students in a regular education classroom or in a separate classroom. Based on the special education student's specific needs, the IEP team may determine specific subjects, duration and location for general education mainstreaming as well as determine services the student receives.

**DESIGNATED INSTRUCTIONAL SERVICES (DIS)**

Designated Instructional Services: DIS services may include adaptive PE, vision services, speech therapy, and school psychologist services. Other DIS services may be specified by the IEP team.

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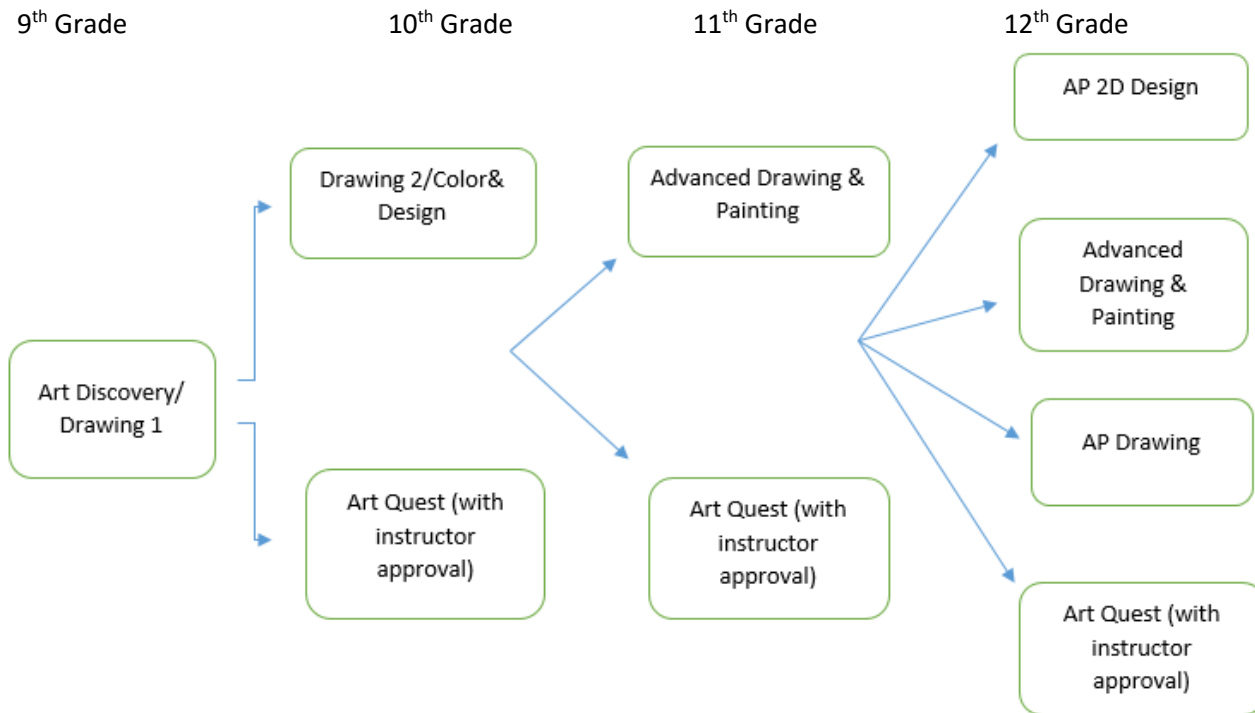
## VISUAL AND PERFORMING ARTS

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### VISUAL ARTS COURSE SEQUENCE

Suggested sequence for students interested in a Visual Art track for college major or minor.



**Note:** All art courses meet the Lompoc Unified School District Visual and Performing Arts or Language Other Than English requirement. All Art course meet the CSU visual and performing arts requirement if taken for the full year and attain a “C” or better in the class. Courses marked “P” partially meet the UC entrance requirements for college prep electives.

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#### **ART DISCOVERY / DRAWING 1 - P**

Duration: Year, 5 credits/semester

Grade: 9-12

Prerequisites: None

Completion of both classes with a passing grade of C or better meets UC subject entrance requirements (f)

This is a foundation level studio visual art class using the Elements and Principals of Art as a framework for instruction. Students will be exposed to a variety of techniques as well as various historical art works.

- First semester *Art Discovery*, is an introduction to the Principals and Elements of Design using pencil, pen, colored pencils, water color and collage.
- Second semester is a beginning drawing class.
- Students will be taught a step by step process to learn the basic skills of drawing. Materials used: Pencil, charcoal and pen.

\*Students may challenge the Art Discovery to take Drawing 1 by presenting a portfolio showing a strong grasp of the Principles and Elements of Design and a good understanding of composition. Final decision to be made by instructor.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

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## **DRAWING II / COLOR AND DESIGN - P**

Duration: Semester, 5 credits per semester

Grade: 10-12

Prerequisites- Passing Art Discovery/Drawing I, a high school art foundation's level course, one year of high school level studio art or equivalent, and instructor approval. Students who did not receive a B or better in Art Discovery/Drawing I should consider NOT signing up for this course.

Completion of both classes with a passing grade of C or better meets UC subject entrance requirements (f)

- First semester focuses on developing strong drawing skills and is built upon the previous semester of Drawing I. There is heavy emphasis on basic form, value and figure drawing.
- Materials used are pencil, pen, charcoal, colored pencil and charcoal.
- Second semester students will further develop drawing skills through increasingly difficult drawing assignments.
- Materials used are pencil, pen, charcoal, pastel, found and homemade materials.
- A strong focus will be on beginning figure drawing and study of the human form.
- This course is for independently motivated students who wish to build their personal portfolio.
- Students will study historically significant artists and art history.
- Students will develop skills in evaluating and critiquing art.
- Career and College preparation.

### **PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

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## **AP 2D STUDIO ART -P**

Duration: Year, 5 credits per semester

Grade: 12

(For AP credit, a portfolio must be submitted to the College Board)

Prerequisites: Approval of instructor and completion of Drawing II/Color & Design with a grade of B or better, or with approval of instructor, an advanced level high school art course, one year of high school advanced level studio art or equivalent with a grade of B or better.

Completion of both classes with a passing grade of C or better meets UC subject entrance requirements (f)

- This is a yearlong course that builds sequentially upon each student's skills and talents with the intent of building a portfolio to be submitted for AP credit.
- Students will begin with a summer assignment before the beginning of school.
- A variety of materials are used, including, but not limited to: pencil, pen, colored pencil, watercolor, acrylic, collage, photography, image transfer and printing.
- Students should expect emphasis to be placed on developing strong technique, original ideas, thoughtful approaches to subject matter while exploring issues of materials, design concepts and personal vision.
- Students will study historically significant artists and art history.
- Students will develop skills in evaluation and critiquing art.
- Career and College preparation.

### **MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

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## **ADVANCED DRAWING & PAINTING - P**

Duration: Semester, 5 credits

Grade: 11-12

Prerequisites: Completion of Drawing II/Color & Design, with a grade of B or better, or with approval of instructor.

Completion of both classes with a passing grade of C or better meets UC subject entrance requirements (f)

Advanced Drawing and Painting is a yearlong course offered for students in grades 11 or 12 and is designed to follow one year of a level II Drawing and Painting course, adding to the student's art vocabulary and various drawing and painting techniques. Focusing in creative expression, students are encouraged to stretch their imagination and communicate their ideas through further exploration of various art media. Entry-level course into the AP Studio Art program.

### **MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

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## **AP STUDIO ART: DRAWING- P**

Duration: Year, 5 credits/semester

Grades: 12

Completion of both classes with a passing grade of C or better meets UC subject entrance requirement (f)

(For AP credit, a portfolio must be submitted to the College Board.)

Prerequisites: Approval of instructor and completion of Drawing II/Color & Design with a grade of B or better, or with approval of instructor, an advanced level high school art course, one year of high school advanced level studio art or equivalent with a grade of B or better.

- This is a yearlong course that build skills sequentially but is broken into two semesters.
- In this course student explore the principles and elements of design, as well as develop their advanced drawing skills, using a variety of materials and techniques.
- Students should expect emphasis to be placed on developing strong technique, original ideas, thoughtful approaches to subject matter while exploring issues of mark making and light.
- Students study historically significant artists, art movements and artworks.
- Students are required to keep a sketchbook/journal. This journal is to record their exploration of 3D art, their thoughts, ideas and sketches. Sketchbook assignments will be given.
- This course is for independently motivated students who wish to build their personal portfolio integrating the elements and principals of design.
- Career and College Preparation.

### **MEETS UC SUBJECT ENTRANCE REQUIREMENTS (f)**

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## **ART QUEST**

Duration: Year, 5 credits/semester

Grades: 10-12

Completion of both classes with a passing grade of C or better meets UC subject entrance requirement (f)

Prerequisites: Drawing I: Passing Art Discovery/Color & Design, a high school art foundation's level art course, one year of high school level studio art or equivalent, and instructor approval.

Students need to receive a B or better in Art Discovery/Drawing I to consider signing up for this course.

- This is a course for independent workers. Students will meet with instructor at the beginning of the year to discuss an idea or concept, which will guide their direction.
- The instructor will supply materials, which the other classes have access to; however, any other materials or supplies are the responsibility of the student.
- Critiques will be held every two to three weeks. Students should be prepared to answer probing questions such as: Why the student created their art. How the student developed their art. What sort of exploration and/or risk did the student take? What did the student learn?
- Grades will be based upon the answers to the above questions and how the student worked in class. There is no homework and the instructor may not consider work done at home.

### **MEETS UC SUBJECT ENTRANCE REQUIREMENTS (f)**

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## **GRAPHIC DESIGN – P**

Duration: Year, 5 credits/semester

Grade: 9-12

Prerequisites: None

This course introduces students to many areas of visual and graphic communications. Through lecture, hands-on artwork activities, and laboratory experiences students will learn the fundamental theories of color, design, structure, perception, typography, and creativity. During the first quarter, students will use these theories to develop a wide variety of hand-drawn projects, including logo designs that will be recreated in final form on the computer. Students will learn professional level computer software including Adobe Illustrator and Photoshop. This course provides an excellent introduction to color and design theory that will be of value to any student regardless of their chosen profession.

### **Career Tech Ed (Introductory)**

**MEETS THE DISTRICTS VISUAL AND PERFORMING ARTS GRADUATION REQUIREMENTS**

**MEETS UC SUBJECT ENTRANCE REQUIREMENTS (f)**

**PRODUCT INNOVATION AN DESIGN CTE PATHWAY**

**GRAPHIC PRODUCTION TECHNOLOGIES CTE PATHWAY**

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## **GRAPHIC DESIGN QUEST**

Duration: Year; 5 credits/semester; (Repeatable for credit).

Grade: 10-12

Prerequisites: Instructor approval and successful completion of Graphic Design with a “C” or better

Design Quest is an intermediate level course designed for sophomores who have completed Graphic Design and plan to enroll in AP Graphic Communications in their junior year or junior / seniors currently enrolled in AP Graphic Communications. Students will be expected to work independently, set learning goals and to coach their peers in the Graphic Communications course. Students will learn new software in preparation for AP Graphic Communications and to work on a portfolio of personal design projects for admittance into a college design program

### **Career Tech Ed (Concentrator)**

**GRAPHIC PRODUCTION TECHNOLOGIES CTE PATHWAY**

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## **AP GRAPHIC COMMUNICATIONS I – P**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone)

Grade: 10-12

Prerequisites: Successful completion of Graphic Design with a “C” or better

Students will learn graphic design, electronic pre-press and interaction design. Instruction will cover units on careers, portfolio construction, computer basics, image editing, logos and branding design, publication design, packaging design, typography, scanning, bindery, maintenance and safety.

### **Career Tech Ed (Concentrator)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENTS (f)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**GRAPHIC PRODUCTION TECHNOLOGIES CTE PATHWAY**

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## **AP GRAPHIC COMMUNICATIONS II – P**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone)

Grade: 11-12

Prerequisites: AP Graphic Communications I and Instructor Approval

Student will learn advanced computer pre-press skills and graphic design. Students will prepare for employment in the graphics industry and for advanced occupational training.

### **Career Tech Ed (Capstone)**

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

**GRAPHIC PRODUCTION TECHNOLOGIES CTE PATHWAY**

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## **GRAPHIC COMMUNICATIONS III**

Duration: Year, double period, 10 credits/semester (20 credits required for Capstone)

Grade: 12

Prerequisites: Successful completion of AP Graphic Communications II

This advanced graphic design course will further add to the student's experience and skills. Emphasis will be placed on graphic design, motion graphics, film making, future design trends, sustainable design practices, material sciences, exhibition design, product design, and portfolio development. Students will work independently in class to enhance their skills and make themselves stronger candidates for job positions and college entrance. Successful completion of this course will prepare students for entry level employment in a broad range of graphics industry occupations and for advanced occupational training.

**MEETS VOCATIONAL CAPSTONE REQUIREMENT**

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## **INNOVATION: DESIGN THINKING & INVENTION UNDER VISUAL COMMUNICATION**

Duration: Year, single period, 5 credits/semester (10 credits required for Capstone)

Grade 10-12

Repeatable for Credit

Prerequisites: Graphic Design or Innovation: Entrepreneurship or Innovation: 3D Modeling & Prototyping

This is the first course in a three-part Innovation program. In this course, students will be taught design thinking and interaction design skills that will lead to the invention of products and services that meet specific needs. In addition, students will learn basic electronics, basic computer programming and the use of Arduino microcontrollers. Students will work closely with students in the prototyping class to realize their ideas in a physical prototype.

### **Career Tech Ed (Concentrator)**

**PRODUCT INNOVATION AND DESIGN CTE PATHWAY**

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## **PHOTOGRAPHY 1 - P**

Duration: Year, 5 credits/semester

Grade: 10-12

Prerequisites: None

- Historical and cultural significance
- Picture taking and composition
- Light sensitive materials
- The nature of the photographic process
- Exposure and development
- Enlarging and printmaking
- Cameras and camera handling

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) WITH A PASSING GRADE OF "C" OR BETTER**

**MEETS THE DISTRICT'S VISUAL AND PERFORMING ARTS GRADUATION REQUIREMENT AND THE CSU VISUAL AND PERFORMING ARTS REQUIREMENT**

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**AP ADVANCED PHOTOGRAPHY - P**

Duration: Year, 5 credits /semester; (Repeatable for credit; 20 credits max.)

Grade: 11-12

Prerequisites: B or better in Photography 1 or instructor approval.

- An intensive course in black and white photography requiring much thought, preplanning and creativity from students.
- Emphasis on development of skills, refinement of techniques and ability to evaluate critically their own results.
- Students will prepare a portfolio of work necessary for employment or entering a photography school.

**MEETS CAPSTONE REQUIREMENTS****MEETS UC SUBJECT REQUIREMENTS (f)**

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**YEARBOOK PRODUCTION - P**

Duration: Year, 5 credits/semester (Repeatable for credit; 30 credits max.)

Grade: 10-12

Prerequisite: Advisor approval required.

This class designs and assembles the school yearbook, Tierra Royal, using state of the art desktop publishing software, computers, and experience gained in beginning Graphic Arts. Students take and prepare pictures for the school yearbook, Tierra Royal using skills learned in beginning photography. Additional responsibilities: digital image capture and manipulation, cataloging, sales: advertising and yearbook, fundraising activities and distribution. Dependability, self-motivation and high standards are necessary characteristics for students applying to take this class.

**MEETS UC SUBJECT REQUIREMENT (g)****BAND TECHNIQUES-P**

Duration: Fall semester\* (Repeatable for credit; 20 credits max.)

Grades: 9-12

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**MUSIC**

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Band Techniques is a beginning level course for students who would like to learn to play a wind or percussion instrument. Students who already play an instrument and read sheet music are welcome to learn a secondary instrument. Topics covered will include the fundamentals of producing a characteristic tone on the student's instrument, reading sheet music and playing in an ensemble. A performance will be given at the end of the semester.

**Career Tech Ed (Introductory )****MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) ONLY WHEN TAKEN WITH CONCERT BAND SECOND SEMESTER PROFESSIONAL MUSIC CTE PATHWAY**

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**CONCERT BAND – P**

Duration: Spring Semester (Repeatable for credit; 20 credits max.)

Grade: 9-12

Concert Band is the continuation of Band Techniques and a training ensemble for Symphonic Winds. Students must have mastered the topics covered in Band Techniques in order to advance to Concert Band. Students will advance the skills they acquired in first semester Band Techniques and will develop the skills necessary for performance in Symphonic Winds. Performances will be given throughout the semester.

**Career Tech Ed (Concentrator)****MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) ONLY WHEN TAKEN WITH BADN TECHNIQUES FIRST SEMESTER PROFESSIONAL MUSIC CTE PATHWAY**

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## **MARCHING BAND**

Marching Band is now an after school activity. Marching Band is not a requirement of participation in the music program, but students in the marching band must enroll in the course appropriate for their role:

- Students who play woodwind or brass instruments must enroll in Symphonic Winds.
- Students who play percussion instruments or are in the color guard must enroll in Marching Conquistadors Auxiliary first semester.

See the Conquistador Marching Band Information and Application Packet for more details, available at counseling or from Mr. Olivieri at [olivieri.garson@lusd.org](mailto:olivieri.garson@lusd.org)

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## **MARCHING CONQUISTADORS AUXILIARY**

Duration: Fall semester (repeatable for credit; 20 credits max)

Grade:9-12

Prerequisites: Participation in Marching Band, Completion of the Conquistador Marching Band application packet, participation in summer training camp at Cabrillo, instructor approval.

This class meets first semester only and is a rehearsal period for the Color Guard, Front Ensemble and Drum Line of the Conquistador Marching Band. The second semester of this class is called Percussion and enrolls all of the same students. Participation in all after school rehearsals and all performances is required.

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## **PERCUSSION**

Duration: Spring semester (repeatable for credit; 20 credits max)

Grade:9-12

Prerequisites: Instructor Approval

This is the second semester continuation of **Marching Conquistadors Auxiliary**, and is a rehearsal period for the Winter Guard and Percussion Ensemble. The Winter Guard will learn and produce an indoor color guard show, and the percussion ensemble will rehearse and perform percussion ensemble literature, prepare the percussion parts for performance with Symphonic Winds, and will build skills and techniques for the following year's drum line and front ensemble.

After school rehearsals and performances are required for Winter Guard members.

### **Career Tech Ed (Capstone)**

#### **PROFESSIONAL MUSIC CTE PATHWAY**

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## **SYMPHONIC WIND ENSEMBLE-P**

Duration: Year, 10 credits (Repeatable for credit; 20 credits max.)

Grade: 9 -12

Prerequisites: Demonstration of musical skills at necessary level, instructor approval.

Symphonic Winds is the advanced band at Cabrillo. The first semester will cover marching band and concert band literature with an emphasis on ensemble playing technique and developing advanced musical skills. The second semester will cover concert band literature and chamber music while continuing to develop skills. Many performances are given throughout the year mostly in the evenings on weekdays and weekends.

Students who play a wind instrument in marching band after school must enroll in this course, but participation in marching band is not required. This class period may or may not include percussion depending on whether or not a separate class is offered for percussionists in the same semester.

### **Career Tech Ed (Capstone)**

#### **MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) (MAX. 10 CREDITS)**

#### **PROFESSIONAL MUSIC CTE PATHWAY**

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**JAZZ BAND- P**

Duration: Year, 5 credits/semester (Repeatable for credit; 20 credits max)

Grade 9-12

Prerequisites: Instructor approval/enrollment in symphonic winds, advanced orchestra or percussion

Formerly offered 2<sup>nd</sup> semester, Jazz Band is now offered all year. Meets 0 period at 7:00 a.m. daily. The course covers jazz style, improvisation and playing in a big band setting. Multiple styles of jazz and rock are performed. After school and weekend performances are included and required. Jazz Band is not a mandatory instrumental music course to take Jazz Band.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

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**ORCHESTRA, STRINGS – P**

Duration: Year, 5 credits/sem. (Repeatable for credit; 40 cr. max.)

Grade: 9-12

Prerequisites: Instructor approval

Instruction is provided for orchestral string instruments: violin, viola, cello and string bass. The literature is studied with emphasis on technical performance, tone quality and artistic interpretations. Students should expect to perform at several concerts, a music festival, and year end commencement and baccalaureate performances. All performances are required. Two levels of this course are offered: Beginning & Intermediate/Advanced.

**Career Tech Ed (Introductory)****MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)****PROFESSIONAL MUSIC CTE PATHWAY**

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**MUSIC QUEST-P**

Duration: Semester or Year, 5 credits/sem. (Repeatable for credit; 30 cr. max.)

Grade: 10-12

Prerequisites: Instructor approval; acceptance of a "proposal for study plan" by Department Chairperson.

- For serious, advanced music students
- Studies in: Composition, Theory, History, Advanced technique work, Music librarianship and Student directing.

**PARTIALLY MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) (MAX. 10 CREDITS)**

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**CABRILLO CHOIR - P**

Duration: Semester or Year, 5 credits/sem.

Grade: 9-12

Prerequisites: 2.0 GPA for performances

Completion of year with a passing grade of C or better, meets the UC Subject Requirement (f)

This choir class is aimed at the student who wants a general survey in choral music. This course will include proper vocal production, music reading, ear training, proper concert etiquette, music history, styles/genres of music and music terminology. Students will have opportunities to work on individual solos as well as group choral music. The class will furnish the foundation necessary for the student who wants to be a music major or be a lifetime music learner. Students will learn songs in a variety of musical styles (gospel, jazz, folk, pop, classical). Students will learn to sing 2-3 part choral songs. Students participate in evening performances as a required part of the class.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

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## **CONCERT CHOIR-P**

Duration: Semester or Year, 5 credits/semester (Repeatable for credit; 30 credits max.)

Grade: 10-12

Prerequisites: Cabrillo Choir; 2.0 GPA for performances

Completion of year with a passing grade of C or better, meets the UC Subject requirement (f)

Homework: Memorization of group choral pieces, written work and afterschool choral concerts.

Concert Choir is designed to put the skills learned in Cabrillo Choir into practice through the learning and performance of more challenging choral music. Students will have opportunities to prepare solos, duets, etc. for yearly concerts. Students will learn songs in a variety of musical styles (gospel, jazz, folk, pop, classical). Students will learn to sing 2-4 part vocal choral songs. Students participate in evening performances as a required part of the class.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) (MAX. 10 CREDITS)**

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## **MADRIGAL SINGERS-P**

Duration: Year, 5 credits/semester (Repeatable for credit; 30 credits max.)

Grade: 10-12

Prerequisites: Instructor approval, 3.0 GPA, acceptance through audition only.

Completion of year with a passing grade of C or better, meets the UC Subject Requirement (f)

Homework: Selection and preparation of solos/duets, memorization of song lyrics, working at and preparing for various fundraisers/events, performing at numerous school and local concerts.

A class for the serious vocal student, students only accepted to group by audition in late March of the previous year. The CHS Madrigals Singers are the premiere vocal group in the Lompoc Valley. Students will perform 4-5-part a capella music in a variety of styles. Students are expected to perform solos several times a year. Special emphasis given to group and solo voice production, interpretation/performance skills, development of music reading skills/ear training and group collaboration. Students must be organized, positive and independent learners. Students participate in numerous day/evening performances, community concerts, charitable performances, university concert collaborations, Madrigal performance tours and multiple fund-raisers. Students will strictly adhere to the Choral Music contract, signed by each student and parent. Opportunities to attend/watch local professional theatrical performances (PCPA), touring Broadway performances (Pantages and Ahmanson Theaters in LA) and opera performances (Los Angeles Opera) will be offered.

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) (MAX. 10 CREDITS)**

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## **DRAMA/MUSICAL THEATER 1 - P**

Duration: Year, 5 credits /semester (10 credits max)

Grade: 9-12

Completion of year with a passing grade of C or better, meets the UC Subject Requirement (f)

Prerequisites: None

Homework: Line memorization, in class performances, and written assignments. Students must attend all CHS mainstage productions.

This class is aimed at the student who wants a general survey in theater. The course will include theater history, theater analysis, theater terminology, styles/genres of theater, play reading, scene work, movement, diction, audition skills, and improvisation. The class will furnish the foundation necessary for the student who wants to be a theater major or who wants to get involved in CHS mainstage productions. There will be a strong emphasis on reading, writing, group collaboration and communication skills. Students will gain theatrical experience through project based learning by performing in class for their peers. Students may also have the opportunity to learn about stage lighting, make-ups, props, sound, costuming, and scenery construction/painting.

## **CAREER TECH ED (INTRODUCTORY)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

**PERFORMING ARTS CTE PATHWAY - THEATER**

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## **DRAMA/MUSICAL THEATER 2 - P**

Duration: Year, 5 credits /semester (May be repeated for credit)

Grade: 10-12

Completion of Musical Theater 2 with a passing grade of C or better, meets the UC Subject Requirement (f)

Prerequisites: Completion of Musical Theater 1 with a passing grade of B or better, 2.0 GPA for outside class performances

Homework: Rehearsals and performances as assigned (in class and afterschool). Scene writing, critiques of performances. Students must attend all CHS mainstage productions.

Musical Theater 2 is designed to put the skills learned in Musical Theater 1 into practice through theatrical productions. This will include performing in and/or learning technical crew positions for the main stage class productions. Performances include: Fall Evening of the Arts, Winter Play, Spring Variety Show. In addition to main stage productions, students will add to their theater skills by taking quarterly workshops. Workshops rotate yearly and may include: movement, audition skills, script writing, stage makeup, scene acting/creating, monologue study, stage combat, group musical song singing/staging, children's theater, dance basics and set/prop building. Students will begin to create their theater portfolio/body of work and start their theater resume. Opportunities to attend/watch local professional theatrical performances (PCPA) and touring Broadway performances (Pantages Theater and Ahmanson Theaters in LA) will be offered.

### **CAREER TECH ED (CONCENTRATOR)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f)**

**PERFORMING ARTS CTE PATHWAY – THEATER**

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## **ADVANCED DRAMA / MUSICAL THEATER (AMT)- P**

Duration: Year, 5 credits/semester (Repeatable for credit; 30 credits max.)

Grade: 10-12

Prerequisites: Drama/Musical Theater 2 with a B or better and instructor approval, 2.0 GPA for outside class performances

Completion of year with a passing grade of C or better, meets the UC Subject Requirement (f)

Homework: Rehearsals and performances as assigned (in class and afterschool). Scene writing, critiques of performances. Students must attend all CHS mainstage productions.

Advanced Musical Theater is designed to give students leadership opportunities in the main stage and in class productions and continue to build on their skills from MT1 and MT2. This will include performing in and/or learning technical crew positions for the main stage class productions. Students will also have directing opportunities as an AMT class member. Performances include: Fall Evening of the Arts, Winter Play, Spring Variety Show. AMT students will have the opportunity to take advanced levels of workshops they started in MT2. Students will complete their theater portfolio/body of work, update their theater resume and prepare for potential college auditions. Opportunities to attend/watch local professional theatrical performances (PCPA) and touring Broadway performances (Pantages Theater and Ahmanson Theaters in LA) will be offered.

### **CAREER TECH ED (CAPSTONE)**

**MEETS UC SUBJECT ENTRANCE REQUIREMENT (f) (MAX 10 CR.)**

**PERFORMING ARTS CTE PATHWAY - THEATER**

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