



GRANADA

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Granada High School



@granadahighschool



@granadapride

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Our Mission: Each student will graduate with the skills needed to contribute and thrive in a changing world.

Granada High School is a comprehensive 4-year high school that allows students to earn a standard high school diploma prescribed by the Livermore Valley Unified School District and State of California. In addition to the standard high school diploma, students have the opportunity to earn an International Baccalaureate (IB) Diploma which is recognized worldwide as a standard of excellence. Students will engage in a multi-disciplinary course of study during their high school career, completing both required and elective coursework across the following departments:

- *Career & Technical Education*
- *English*
- *Mathematics*
- *Physical Education*
- *Science*
- *Social Science*
- *History*
- *Visual and Performing Arts*
- *World Language*
- *Non-Departmental Electives*



Granada High School will transition from the trimester system to a semester system beginning in the 2024-2025 school year. The transition to a semester system will better meet the social-emotional and educational needs of our high school students without impacting current and future 4-year plans and robust elective opportunities. One of the key advantages to moving to a semester system includes a structure that allows for more meaningful connections between students and staff. Additionally, LVJUSD identified the following benefits that a semester system will provide our students:

- *Eliminate gaps in learning with year long courses*
- *Increase the likelihood of students remaining with the same teacher for the entire course*
- *Allow for flexibility when teaching and learning, including focused time, time for projects, independent practice and interventions during the class period*
- *Creates time for labs and activities that dive deeper into the curriculum, contributing to active learning and retention*
- *Allow for fewer transitions which cuts down on the amount of time needed for review or remediation, also reducing stress and anxiety*
- *Provide more time to complete assignments and demonstrate learning during the instructional period, which may create a reduced workload outside of the school day and allow students more opportunity for extra and co-curricular activities*
- *Provide additional support and enrichment time for students with disabilities*

Students are encouraged to read the contents of this guide carefully to discover new changes to courses and programs during this transitional time. Students should select courses that interest and challenge them and be open to new course offerings. This catalog will assist students in the course registration process and aid in providing insight on various educational programs and career paths that may guide the student in long-term goal setting and planning for the future. The introductory pages outline our academic policies and procedures including graduation requirements, grading policies and academic honors recognition. Course descriptions are organized departmentally with notations providing pertinent course information. We encourage students to utilize the resources available to students in the College & Career Center and to take advantage of future academic and career fairs that are offered during the year.

PROGRAMS

PROGRAMS

- *Advanced Placement (AP)*
- *Bilingual Instruction*
- *Career Technical Education (CTE)*
- *College Preparatory Courses (P)*
- *English Language Development (ELD)*
- *Honors (H)*
- *International Baccalaureate Programme (IB)*
- *Project Lead the Way (PLTW)*
- *Regional Occupational Program (ROP)*
- *Special Education (SPED)*

ADVANCED PLACEMENT (AP) & ADVANCED PLACEMENT (AP) CAPSTONE DIPLOMA PROGRAM

Advanced Placement courses are college level classes taught on a high school campus. AP courses will carry a weighted grade point on students' transcripts of A=5 points, B=4 points, C=3 points. For each AP course taken, students are encouraged to sit for the standardized AP exam given worldwide in May of each year. Receiving college credit for a passing grade on the AP exam will depend on the college attended and/or the major selected. Advanced Placement Capstone is a diploma program from College Board based on two year-long AP courses: AP Seminar and AP Research. AP Seminar is offered as an English core option for 10th graders. AP Research will be offered during the 2026-2027 school year. Students must complete both courses in order to be eligible for the AP Capstone Diploma or the AP Seminar and Research Certificate. The AP Capstone Diploma is granted to students who earn scores of 3 or higher in AP Seminar and AP Research and on 4 additional AP Exams of their choosing. The AP Seminar and Research Certificate is granted to students who earn scores 3 or higher in both AP Seminar and AP Research. AP Capstone Awards are listed on AP score reports. Students who earn the diploma or certificate can view and print their award certificate from their online account.

BILINGUAL INSTRUCTION

Granada High School offers bilingual course options for the following courses: Algebra I, Geometry, and Algebra II. Teacher instruction will be primarily in Spanish. Course offerings may vary depending on teacher availability.

CAREER AND TECHNICAL EDUCATION (CTE)

Career Technical Education (CTE) is a program of study that involves a multiyear sequence of courses that integrate core academic knowledge with technical and occupational knowledge to provide students with a pathway to post-secondary education and careers. CTE pathways are organized into specific industry sectors that allow students to experience real world, hands-on learning in high-demand career fields. CTE pathways enable students to thrive in independent and collaborative work environments while helping them develop the personal and professional competencies they will need to be successful in their post-secondary education and future career.

COLLEGE PREPARATORY (P)

Granada offers a variety of preparatory and non-college preparatory courses. In this program guide, course descriptions for college preparatory courses include statements under the title that indicate which UC/CSU A-G requirement the course fulfills. Non-college preparatory courses do not have a (P) after the title on the student schedule or on the student transcript and do not count toward eligibility requirements for UC/CSU; however, every class earns a grade and course credits toward LVJUSD graduation requirements.

ENGLISH LANGUAGE DEVELOPMENT (ELD)

Granada High School is committed to providing an English Learner Program, which assures all children equal educational opportunities. English Language Development is a series of levels in language acquisition designed to teach students who are speakers of another language to become fluent in English. The levels cover a range of language skills from non-English speaking to near fluency in speaking, listening, reading and writing English. English Learners receive language instruction appropriate to their individual needs as determined by the English Language Proficiency Assessments for California (ELPAC) and other state and district approved measures. ELD courses follow the California English Language Development standards and are aligned with the California Content Standards for English Language Arts.

HONORS (H)

Granada High School offers various honors courses in multiple subject areas. These courses offer increased depth and breadth in the given subject. Specific information on each course is in the course descriptions and are designated with (H) in the course title.

PROJECT LEAD THE WAY (PLTW)

Project Lead the Way provides a transformative learning experience for Granada High School students by offering an engaging, hands-on classroom environment that empowers students to apply their knowledge to solve real-world challenges and inspire them to reimagine how they see themselves. With pathways in computer science, engineering, and biomedical science, students not only learn technical skills, but also learn to solve problems, think critically and creatively, communicate, and collaborate. Some of Granada's PLTW courses are articulated with the Regional Occupational Program (ROP).

REGIONAL OCCUPATIONAL PROGRAM (ROP)

Tri-Valley Regional Occupational Program (ROP) offers career-technical classes to high school students. ROP provides elective courses that satisfy A-G requirements for UC and CSU, college credit through partnerships with local community colleges, preparation for college and careers through rigorous and relevant instruction, hands-on learning and internships, and instruction by industry professionals.

INTERNATIONAL BACCALAUREATE PROGRAMME (IB)

The International Baccalaureate Diploma Programme offers an internationally recognized, rigorous curriculum focused on both breadth and depth of knowledge. Students are challenged to think critically, understand others perspectives, develop an international mindset, write and communicate effectively at a college level, and contribute to their classroom and local communities. Juniors and seniors may enroll in the full Diploma Programme or may enroll in one or more individual IB course(s). All IB courses are weighted with an extra grade point at GHS. Students who complete the IB Diploma course of study and pass the exams receive the prestigious International Baccalaureate Diploma, which is very well respected by leading national and international universities. Students who successfully complete individual IB courses and pass the course exams are also highly competitive as college applicants and may receive college credit. Students who intend to earn the IB Diploma will enroll in IB courses during their junior and senior years.

Benefits of IB Diploma:

- *Distinguishes students as having successfully completed a rigorous university preparation program*
- *A significant advantage in college admission*
- *Most colleges give credit for the IB Diploma and for individual Higher Level IB courses, and some give credit for Standard Level IB courses*
- *Some colleges offer sophomore standing for IB Diploma students, depending on scores*
- *Helps with scholarships--some colleges offer guaranteed scholarships to IB Diploma students*
- *Check individual college websites for their IB policies*

IB Diploma Course Requirements:

- *Three Standard Level (SL) Courses*
- *Three Higher Level (HL) Courses*
- *One course from each IB category*
- *Completion of Theory of Knowledge course (TOK)*
- *Granada Graduation Requirements*



ACADEMIC POLICIES AND PROCEDURES

GRADING SYSTEM

Granada High School is on a traditional semester grading system. Each course awards students five credits per course each semester for letter grades of D- and above. Credits earned in grades 9-12 are calculated into students' GPA except courses where students receive a pass in lieu of a letter grade. Unweighted grades use a 4-point scale. Students enrolled in Honors (H), Advanced Placement (AP), and International Baccalaureate (IB) courses receive an extra grade point in weighted GPA calculations. No additional grade point is awarded for grades of D or lower. Weighted grades use a 5-point scale.

Percent	Letter Grade	Grade Points	Weighted Grade Points
90-100	A +/-	4.0	5.0
80-89	B +/-	3.0	4.0
70-79	C +/-	2.0	3.0
60-69	D +/-	1.0	1.0
50-59	F	0.0	0.0
Pass	P	Excluded from GPA	Excluded from GPA
Honor Roll Distinctions			
Top Scholar Principal's Honor Roll Honor Roll		GPA 4.0+ cumulative GPA in a semester GPA 3.7+ cumulative GPA in a semester GPA 3.0+ cumulative GPA in a semester	
Academic Honors Awards			
Academic Block "G"		GPA 3.7+ for 2 consecutive semesters	
1st Academic Star		GPA 3.7+ for 3 consecutive semesters	
2nd Academic Star		GPA 3.7+ for 5 consecutive semesters	
3rd Academic Star		GPA 3.7+ for 7 consecutive semesters	
Students that earn 3.7+ or higher for consecutive semesters will receive academic recognition. Awards will be distributed once a year after the first semester. Students will be notified via school email if they qualify for an Academic Block or Academic Star. Any break in sequence automatically disqualifies the student from earning the subsequent award and the semester count will reset back to zero.			

REPORT CARDS

Report cards will be sent out electronically by email to all students and parents/guardians after semester grades are finalized approximately two weeks after the end of the semester. Emails will contain a document link that will expire in seven days. Parents are encouraged to save and store the report for future use upon receipt. If a document link expires, the parent/guardian or student will need to contact the Registrar to request a new link.

TRANSCRIPTS

Transcripts are considered the official record of grades received during the student's entire academic career. Students can request unofficial and official transcripts by any of the ordering options available to students and parents/guardians on our website. Students who need to order an official transcript to be sent electronically to an institution or third party must order through Parchment.

WITHDRAW POLICY

If a student withdraws from a course during the first five days of the semester, the course will be dropped from the student's course history. After five days and up until the fourth week of the semester, if an administrator determines that a student withdrawal from a course is warranted, then the student's course history will reflect a "W" if the student was passing or a "WF" if the student was failing. No withdrawals will occur after the fourth week of the semester.

NON-LVJUSD COURSES: CREDITS AND HIGH SCHOOL TRANSCRIPTS

Students may choose to take a non-district course for remediation, advancement, augmentation or enrichment. It is the responsibility of the student to ensure that the course and institution is [WASC accredited](#), [UC/CSU approved](#) (strongly recommended) and will provide an official transcript upon completion of the course. Common programs include: BYU, Apex Learning Virtual School, Quarry Lane and Community Colleges.

REMEDIATION

Students may choose to take a NDC to earn a higher grade for a course in which a D or F was originally earned. All courses taken for remediation must be from a WASC accredited, transcript bearing institution.

- Students who received a D or F may enroll in an equivalent NDC for high school credit. Both the original LVJUSD grade as well as the remediated NDC grade listed under the institution's name will appear on the LVJUSD transcript
 - All courses taken through LVJUSD summer school or academic prep through online recovery programs are listed on the LVJUSD transcript. LVJUSD summer school is for recovering F grades
 - Courses will be included in both the high school GPA and graduation requirements
 - Transcript is required for verification of the completed course
-

ADVANCEMENT

Students who wish to advance into a higher-level course in the following academic year can take a NDC from a WASC accredited, A-G approved transcript bearing institution as long as the student adheres to the following policies and procedures:

- Grade of "C-" or better in the course is required to advance to the next level in accordance with current high school advancement policy
 - Course will be added onto the LVJUSD high school transcript under the name of the issuing institution
 - Course will be excluded from the high school GPA and graduation requirements
 - Students can only advance one level per subject provided that graduation requirements are met
 - An official transcript is required for verification of the completed course
 - Prior to enrollment in the course, students must contact their assigned school counselor
-

AUGMENTATION

Students have the opportunity to enroll in a non-district World Language courses not offered at an LVJUSD school according to the following guidelines:

- Course will be added to the LVJUSD high school transcript under the grade issuing institution's name
 - Course will be included in both the high school GPA and graduation requirements for World Language
 - The maximum number of NDC credits that may be counted toward graduation requirements is 20 during grades 9-12
 - The course and/or outside institution you choose may not be accepted by the UC/CSU system, private colleges and universities, out-of-state institutions, or NCAA as fulfilling their entrance requirements. It is the student's responsibility to check with an admissions officer from each campus that you intend to apply to to ensure the course will be accepted
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ENRICHMENT

All courses taken for personal interest will not be added to the student's transcript and the course and credits awarded will not count towards graduation requirements.

ENROLLMENT PROCESS

- Step 1: Discuss your remediation, advancement, or enrichment plan with your high school counselor [Sample List of Approved Outside Institutions of Non-District Courses](#)
- Step 2: Complete the [Course Plan Agreement Form](#)
- Step 3: Upon completion of the course, submit an official transcript to the Registrar at the school site. If the institution offers an email option to send it directly to your School Counselor, this is acceptable and will be considered an official copy. Transcripts emailed from a student or parent will not be accepted.

Questions? Check out our [Non-District Course FAQs](#)

GRADUATION REQUIREMENTS AND A-G ELIGIBILITY

Granada High School students must complete 220 credits to earn a high school diploma. Students who plan to attend a four-year institution such as California State University (CSU) or University of California (UC) need to fulfill minimum A-G requirements in order to be eligible. UC/CSU colleges require first-time freshman applicants to complete a 15-course comprehensive A-G pattern of college preparatory work with a grade of C- or better in each course. While A-G courses are required for minimum admission eligibility to the UC/CSU system, all LVJUSD students are strongly encouraged to complete the A-G course requirements.

SUBJECT	GRADUATION REQUIREMENTS	A-G ELIGIBLE UC/CSU
SOCIAL SCIENCE	35 Credits of History Social Science (5) World History (10) US History (10) Civics (5) & Economics (5)	2 years - 20 credits World History (10) US History (10) <i>H, AP, IB options available in all subject areas</i>
ENGLISH	40 Credits of English English 9 (10) English 10 (10) English 11 (10) English 12 (10) or Senior Core Options (10)	4 years - 40 Credits English 9 (10) English 10 (10) English 11 (10) English 12 (10) or Senior Core Options (10)
MATHEMATICS	20 Credits of Math All students must complete Algebra 1 to earn a high school diploma	3 years - 30 Credits UC recommends 4 years of Math Algebra (10) Geometry (10) Algebra II (10)
SCIENCE	20 Credits of Science <i>May be lab or non-lab sciences</i> Biology (10) Physical Science (10)	2 years - 20 Credits 2 years required/3 recommended <i>Both courses MUST be a Lab science</i> Life Science (10) Physical Science (10)
CAREER TECHNICAL EDUCATION	30 Credits Credits must be in at least two of the three categories. For example: 1 year of VPA & 2 years of World Language or 2 years of CTE and 1 year of VPA	Approved A-G CTE classes will be used for admissions; check course description
WORLD LANGUAGE		2 years - 20 Credits 2 years required/3 recommended to be competitive for UC/CSU admissions Mastery of at least level 2 in the same WL
VISUAL AND PERFORMING ARTS		1 year - 10 Credits 2 Semesters of the same VPA discipline (10)
PHYSICAL EDUCATION	20 Credits of PE PE 1 A/B (10) PE 2 A/B (10)	Not counted in UC/CSU GPA
HEALTH	5 Credits of Health Health (5)	UC/CSU (G) Group Heath is not required for UC/CSU but will be used as a college-prep elective for admissions
ELECTIVES	50 Credits of Electives Elective Courses	UC/CSU (G) Group - 10 Credits Two Semesters of any (P) elective

A-G COURSE LIST

A-SOCIAL SCIENCE Civics Ethnic Stud Amer Soc Change European History (AP)* History of Americas HL (IB)* History of Americas HL 2 (IB)* Human Geography (AP)* Social Science Social Science Honors United States History United States History (AP)* US Gov & Politics (AP)* Women in American History World History World History Honors	B-ENGLISH English 9 English 9 Honors English 9 (dELD) English 10 English 10 Honors English 10 (dELD) English 11 English 11 (dELD) English 12 English 12 (dELD) English Lang/Comp (AP)* English Lit/Comp (AP)* Fantasy and Science Fiction IB English Lang. and Lit. HL 1* IB English Lang. and Lit. HL 2* Mythology Satire Seminar (AP)* Short Story Shakespeare	C-MATHEMATICS Algebra I Algebra II Algebra II - Precalculus Calculus Calculus AB (AP)* Calculus BC (AP)* Computer Science (AP)* Geometry Linear Alg & Diff Equations*+ Math Analy/App HL 1 (IB)* Math Analy/App HL 2 (IB)* Math Analysis/App SL 1 (IB) Math Analysis/App SL (IB) Multivariable Calculus* Precalculus Precalculus (AP)* Statistics Statistics (AP)*	D-LAB SCIENCE Astronomy Biochemistry Honors* Biology Biology (AP)* Biotechnology Honors* Chemistry Chemistry (AP)* Computer Science Prin. (AP)* Computer Science HL 1 (IB) Computer Science SL (IB) Conceptual Physics Environmental Science (AP)* Field Biology Honors Physics* Hum Anatomy & Physiology Physics SL (IB)* Physics Physics C: Mechanics (AP)* PLTW Honors Civil Eng/Arch* PLTW Honors Aerospace Eng* PLTW Honors Digital Electronics* PLTW Prin of Engineering
E-WORLD LANGUAGE American Sign Language 1 American Sign Language 2 American Sign Language 3 French 1 French 2 French 3 Spanish 1 Spanish 2 Spanish 3 Spanish 4 Spanish Lang/Culture (AP)* Spanish/Span Spkr 2 Spanish/Span Spkr 3+ Spanish HL 1 (IB)* Spanish HL 2 (IB)* Spanish SL (IB)*	F-VISUAL/PERFORMING ARTS Adv. Animation+ Adv. Art Adv. Ceramics Adv. Digital Photo Adv. Guitar Adv. Theatre Workshop Adv. Video Productions Animation Art Ceramics Dance HL 1 (IB)* Dance SL (IB) * Developing Mixed Choir Digital Photo Drawing (AP)* Guitar Intermediate Concert Choir Jazz Bands with Honors* Jazz Ensemble Music HL 1 (IB) Music SL (IB)* Orchestra ROP Animation/Motion Graphics ROP Honors Artist Portfolio* ROP Video Game & Design Studio Art Design (AP)* Studio Broadcast Production Symphonic Band Theatre Arts 1 Theatre Arts 2 Theatre Arts HL 1 (IB) Theatre Arts SL (IB)* Video Production Writing for Stage & Screen 2D/3D Art and Design (AP)*	G-COLLEGE PREP ELECTIVES Adv. Culinary Arts Adv. Metal & Machine Tools Business Mgt HL 1 (IB) Business Mgt HL 2 (IB)* Business Mgt SL (IB)* Culinary Arts Consumer Math Digital Society HL 1 (IB) Digital Society SL (IB) Economics Health Education Intro to Comp Programming Intro to Comp Science Intro to Culinary Arts Intro to Sociology Journalism Leadership Macroeconomics (AP)* Metals & Machine Tools + Microeconomics (AP)* Personal Finance Research (AP)* Robotics ROP Adv Auto Body Repair ROP Auto Body Repair ROP Automotive Technology ROP Construction Tech I/II ROP Criminal Justice Academy* ROP Dev Psych of Child I/II ROP Econ of Bus Ownership ROP Internet Engineering I/II ROP Integrated Marketing ROP Intro to Criminal Justice ROP Intro to Health Careers ROP IT Essentials	G-COLLEGE PREP ELECTIVES ROP Med. Occupations ROP Nursing Careers ROP Sports Med-Ath.Training Positive Psychology Principles of Dance Psychology (AP)* Sports in Society Sports Psychology Theory of Knowledge (IB)* Yearbook

(*) Sign: UC/CSU Honors

(+) Sign: Pending UC/CSU

FOUR YEAR PLAN

To graduate and earn a standard high school diploma, students must complete 220 credits by the end of their senior year. A full-time schedule consists of six classes per semester with students earning 60 credits per year. This ensures that they meet the graduation requirements within the standard four-year timeline. Students have the option to take additional courses outside of the required school day during an A or B period. The course offerings during this time may be limited. Students are encouraged to create a 4-Year Plan on the California Colleges website: <https://www.californiacolleges.edu>.

CAREER PLAN Industry Sector _____ Pathway _____ Career _____	GHS 4-YEAR PLAN Name _____	ACADEMIC PROGRAM PLAN ☐ Diploma/Career/Community College ☐ Community College/Transfer to 4 yr ☐ 4 YR College ☐ 4 YR College - Highly Competitive
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<u>FRESHMAN YEAR</u>	<u>SOPHOMORE YEAR</u>	<u>JUNIOR YEAR</u>	<u>SENIOR YEAR</u>
English 9 or Hon Social Science 9A (1-Sem) or Social Science Hon A/B or AP Human Geography Math Science PE Health (1-Semester) Elective ----- My Freshman Plan 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ Optional A/B Courses: _____ _____	English 10 or Hon/AP World History or Hon/AP Math Science PE Elective ----- My Sophomore Plan 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ Optional A/B Courses: _____ _____	English 11 or AP/IB US History or AP/IB Math Science Elective Elective ----- My Junior Plan 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ Optional A/B Courses: _____ _____	English 12 or AP/IB Civics/Economics Math Science Elective Elective ----- My Senior Plan 1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ Optional A/B Courses: _____ _____
<u>GRANADA HIGH SCHOOL GRAD REQUIREMENTS</u> Social Science - 35 credits English - 40 credits Math - 20 credits Science - 20 credits VAPA/LOTE/CTE - 30 credits (2 of 3 categories) PE - 20 credits Health - 5 credits Electives - 50 credits TOTAL: 220 Credits <i>Students must pass Algebra and complete 10 credits of Biology and 10 credits of Physical Science.</i>	<u>UC/CSU ENTRANCE REQUIREMENTS</u> a. History/Social Science 2 years b. English 4 years c. Mathematics 3 years (4 recommended) d. Lab Science 2 years (3 recommended) e. World Language (LOTE) 2 years (3 recommended) f. Visual/Performing Arts 1 year g. College Prep Elective 1 year <i>Students must complete 110 units (11 a-g courses) with a grade of C- or better by the end of 11th grade. For exam requirements refer to the College admissions website</i>		<u>IB FULL DIPLOMA REQUIREMENTS</u> HL Courses 3 courses SL Courses 3 courses Extended Essay CAS <i>Students must choose one HL class, in addition to HOA and Lang/Lit, and take no more than 2 SL classes in one year.</i>

COLLEGE AND CAREER GUIDE

COLLEGE OPTIONS

- *California State University (CSU)*
- *Community College*
- *University of California (UC)*
- *Private and Out-of-State Colleges*

CALIFORNIA STATE UNIVERSITY (CSU)

The California State University (CSU) is a system of 23 campuses: Bakersfield, Channel Islands, Chico, Dominguez Hills, Fresno, Fullerton, East Bay, Humboldt, Long Beach, Los Angeles, Monterey Bay, Northridge, Pomona, Sacramento, San Bernardino, San Diego, San Francisco, San José, San Luis Obispo, San Marcos, Sonoma, Stanislaus and Maritime Academy. Factors included in CSU admissions can be viewed at www.calstate.edu/apply. Students should also review the website for the particular campuses of interest for more information.

COMMUNITY COLLEGE

Community colleges offer various programs for students. Many students attend community college with a plan to transfer to a four-year college. Students typically spend two years at a community college and then two years at the college to which they transfer. Students work with their community college counselor to ensure they are taking the correct transfer courses, and then usually transfer as juniors. Those who do not plan to transfer may pursue an associate's degree or certificate in a vocational field with the goal of entering the workforce after community college. To enroll in a community college, students must be 18 years of age or high school graduates. Students do not need to take specific courses or tests to enroll in community college. However, prior to registering, students may be required to take self-guided placements to determine the course level of math and English at which they will begin. Examples of community colleges are Las Positas (Livermore), Chabot (Hayward), Ohlone (Fremont), and Diablo Valley College (Concord/San Ramon).

UNIVERSITY OF CALIFORNIA (UC)

The University of California (UC) system is composed of nine undergraduate campuses: Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara and Santa Cruz. The UC system uses a "Comprehensive Review" to select candidates for enrollment. Factors included in UC admissions can be viewed at www.universityofcalifornia.edu. Students should also review the website for the particular campuses of interest for more information.

PRIVATE AND OUT-OF-STATE COLLEGES

There are thousands of out-of-state and private colleges throughout the world. Private and out-of-state colleges have different admissions requirements than the UCs/CSUs so it is important to work with your counselor to make sure you are on track for admissions. Many of these colleges use www.commonapp.org, www.coalitionforcollegeaccess.org/ or their own online applications for admissions. Students should also review the website of particular campuses of interest for more information and application instructions.

PSAT/SAT/ACT

The PSAT/SAT/ACT are standardized assessments, which, along with courses taken and GPA, have historically been used to determine a student's eligibility for admission and/or scholarship to some four-year colleges and universities. Students who are planning to attend a community college, do not need to take the SAT or ACT. Over the past few years, many colleges and universities have changed their testing policies (test-blind, test-optional, test-free). The CSUs and UCs do not use these tests for admissions or scholarships. It is important to check with individual colleges for requirements and test deadlines.

- *PSAT: Preliminary SAT is designed for juniors as a means to prepare for the SAT, enter the National Merit Scholarship Program, and receive information from colleges. This test is given once a year in October at Granada High School. Registration is done through GHS in September.*
- *SAT/ACT: Community colleges, CSUs and UCs do not use these tests for admissions or scholarships. These tests are still required or optional for admissions and/or scholarships for some four-year colleges. Check with individual colleges for requirements and test deadlines. Additional SAT information can be found at www.collegeboard.org and www.actstudent.org for more information regarding ACT.*

FINANCIAL AID

Financial aid for college expenses may be awarded based on merit (academic achievement), financial need, or some combination of both. Colleges themselves may be the greatest sources of financial aid. Aid from colleges is usually awarded as a package consisting of grants, loans and work-study.

- *The FAFSA (Free Application for Federal Student Aid) is required by all colleges in order to apply for financial aid. Interested students should go to <https://studentaid.gov/>.*
- *The California Student Aid Commission administers the Cal Grant Program to provide scholarships to California residents for California colleges and universities based on their need and academic performance. More information is available at www.csac.ca.gov and all senior GPA's are automatically uploaded to the California Student Aid Commission each year unless a parent opts out of this process.*
- *Students who are not U.S. citizens, national or permanent residents, or do not fulfill all of the FAFSA requirements can apply for the California Dream Act at <https://dream.csac.ca.gov/>.*
- *Colleges may also require the CSS College Profile, offered through the College Scholarship Service, the financial aid division of the College Board. More information is available at www.collegeboard.org. There is a fee associated with this filing. Individual institutions may also require their own financial aid form.*

Be sure to check with the colleges to which you are applying to be sure you complete all necessary financial aid application requirements, as some colleges may require additional forms. Please note that financial aid deadlines differ for each college. Local and national organizations also offer scholarships every year. Juniors and seniors should regularly check the scholarship list on the College & Career Center website.

NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA)

All students who wish to compete in college level athletics must register with the NCAA, ideally during spring of sophomore year, in order to be considered an eligible athlete. High school courses required by the NCAA may vary from general college requirements. As soon as a student considers participating in college level athletics, the student needs to visit the NCAA website and ensure they are taking the correct high school courses. It is the student's responsibility to track their progress toward becoming NCAA eligible. It is important that any student who may wish to compete at the college level refer to the NCAA Eligibility Center website at NCAA.org.

CAREERS

- *Military*
- *ROTC*
- *Vocational Schools & Training Programs*

MILITARY

Students enlist in the military for various reasons including honoring our country and to receive advanced technical training in a variety of careers. To learn more about the military, recruitment and enlistment, students should connect with one of our assigned recruiters. Students can visit the Counseling & Career Center for recruiter contact information or stop by one of the local offices. Students can also explore the military, military academies and ROTC programs at <https://www.todayismilitary.com/>. Students who are interested in applying to a military academy should connect with a recruiter from the specific academy early. The application process for the military academies sometimes begins during junior year.

ROTC

The Reserve Officer Training Corps (ROTC) is a college program offered at more than 1,700 colleges and universities across the country that prepares young adults to become officers in the US military. In exchange for a paid college education and a guaranteed post-college career, participants, or cadets, commit to serve in the military after graduation. Each service branch has its own take on ROTC so it is important to connect with the ROTC recruiter from a specific branch.

VOCATIONAL SCHOOLS & TRAINING PROGRAMS

Vocational schools train students for a specific line of work such as healthcare, automotive technician, carpenters, plumbers, hair stylist and electricians. Vocational schools are different from typical college programs because the programs are less academic and more job-focused. Students can explore these opportunities with some of our local programs: <https://www.abcnorcal.org/>, <https://www.ctcnc.org/> and <http://www.calapprenticeship.org/>.

COURSE REGISTRATION GUIDE 2026-2027

COURSE REGISTRATION RESOURCES

Course registration for the upcoming school year will be held in February. All registration materials and resources to aid students in course selection can be found on our website in Expo Central. Course registration is not first come first serve. Student schedules will be built based on course requests and the availability of course offerings in the master schedule.

EXPO CENTRAL - COURSE REGISTRATION LINKS		
EXPO CENTRAL	COURSE REGISTRATION PORTAL	
	DEPARTMENT INFORMATION	
	COURSE REGISTRATION TUTORIALS	
REGISTRATION TIMELINE		
JANUARY	JANUARY 12TH - 23RD	Course Registration for Current GHS Students in 9th, 10th & 11th Grade, Incoming GHS Students & Pre-Registered Students New to LVJUSD
	JANUARY 14TH	GHS EXPO & Informational Night for Incoming 9th Graders - 5:00-6:00 PM
MARCH - JUNE	Review of student course registrations by Administration/Counselors; Building of the Master Schedule based on student course requests, course offerings and staffing	
AUGUST	AUGUST 3RD - 7TH	Matador Days (Date TBD); Student Schedules Sent Out to Student Emails
	AUGUST 12TH	First Day of School

STEP 1: LOGIN TO POWERSCHOOL STUDENT PORTAL

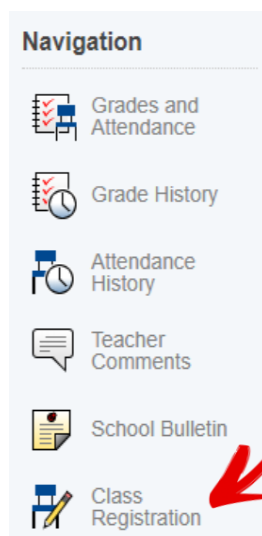
During the course registration window, students will review course registration materials in our EXPO Central and select courses for the upcoming school year. Students will submit course requests in the PowerSchool Student Portal. This portal will only be available to students during the designated registration window. All students must submit course selections during this time to avoid being mass enrolled in courses. All current LVJUSD students will use the same username and password that they use to sign on to their email and chromebook account. If you are a new LVJUSD student who has completed the pre-registration and enrollment process for the upcoming school year, login information will be provided to you by the Registrar. To access the portal, click the following link: <https://ps.lvjUSD.k12.ca.us/public/>



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STEP 2: SELECT COURSES

Select **CLASS REGISTRATION** located on the left side-bar and a set of course selection boxes will appear. Click the pencil icon in each Course group to make selections for that category. Select the check box(es) that represents your courses(s) and click the **OKAY** button in the lower right corner. If you do not wish to make any course selections for a particular course group, select “No Choices” and **SUBMIT**.

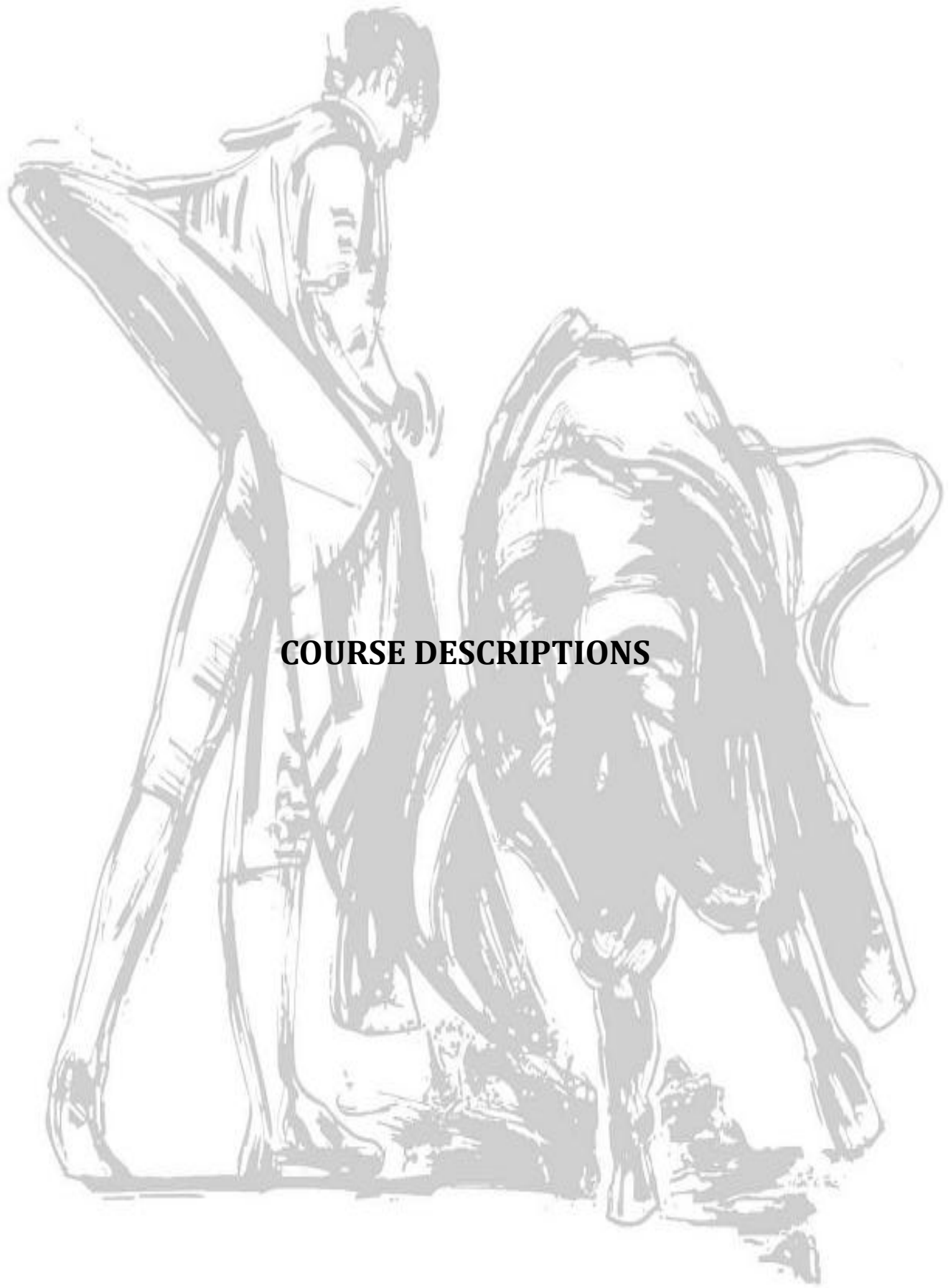


STEP 3: REVIEW & SUBMIT COURSE SELECTIONS

When you are finished selecting your courses from all of the course groups, you should see **GREEN** checkmarks next to the pencil icon. This indicates that you have properly selected the courses needed for this category. Scroll to the bottom of the screen and click **SUBMIT** on the lower right corner.

Social Science Social Science 9 is required. If you choose the regular course, select Social Science 9A. If you choose the honors course, select Social Science 9A (H) and 9B (H). Number of requests to generate : 1	Soc Sci 9A (H) (P) 15100 - 5 credits	Soc Sci 9B (H) (P) 15110 - 5 credits	
English English is required. Choose either English 9A and English 9B or English 9A (H) and English 9B (H). Number of requests to generate : 1	English 9A (P) 10010 - 5 credits 	English 9B (P) 10020 - 5 credits	
Math Math is required for freshmen. You may enroll in a 3-trimester math sequence or a 2-trimester math sequence. Please choose the courses you need. Number of requests to generate : 1	Alg II A (P) 20173 - 5 credits 	Alg II B (P) 20174 - 5 credits	

Registration window for students: January 12-23, 2026



COURSE DESCRIPTIONS

CAREER AND TECHNICAL EDUCATION (CTE) DEPARTMENT

Career and Technical Education (CTE) courses are organized into pathway programs, which are distinct sequences of courses within a student's area of career interest. Pathways are designed to connect high school classes to college, industry certifications, and/or a career. Each pathway fits within one of 15 industry sectors defined by the California Department of Education. The California Department of Education has established model curriculum standards for the following industry sectors and CTE pathway programs within each sector.



ARTS, MEDIA AND ENTERTAINMENT

Refer to page 25 for ROP course descriptions

[ROP ANIMATION & MOTION GRAPHICS I \(P\)](#)

[ROP HONORS ARTIST PORTFOLIO \(P\)](#)

[ROP VIDEO GAME ART & DESIGN \(P\)](#)

BUILDING TRADES AND CONSTRUCTION

Refer to page 26 for ROP course descriptions

[ROP CONSTRUCTION TECHNOLOGY I \(P\)](#)

[ROP CONSTRUCTION TECHNOLOGY II \(P\)](#)

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES

Refer to page 26 for ROP course descriptions

[ROP DEVELOPMENTAL PSYCHOLOGY OF CHILDREN I \(P\)](#)

[ROP DEVELOPMENTAL PSYCHOLOGY OF CHILDREN II \(P\)](#)

ENGINEERING & ARCHITECTURE

Refer to page 27 for ROP course descriptions

[PLTW INTRO TO ENGINEERING DESIGN A/B \(P\)](#)

Course Codes: 52007/ 52008

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Lab Science Requirement

Description: In this PLTW course, students work individually and collaboratively on activities and projects to learn various aspects of engineering design including material selection, human-centered design, manufacturability, ease of assembly, and sustainability. Students develop skills in technical representation and documentation through three-dimensional (3D) computer modeling using a Computer Aided Design (CAD) application to produce precise 3D-printed engineering prototypes using an additive manufacturing process. Students will design and create an automata box as a final project using a laser cutter.

[PLTW PRINCIPLES OF ENGINEERING A/B \(P\)](#)

Course Codes: 52017/ 52018

Grade Levels: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Lab Science Requirement

Prerequisite: Completion of Geometry; or teacher approval

Description: This course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study, including Mechanisms, Energy Sources, Energy Applications, Fluid Power, Statics, Material Properties, Material Testing, Statistics, and Kinematics. Students have an opportunity to investigate engineering and high tech careers. POE gives students the opportunity to develop skills and understanding of course concepts through Activity-, Project-, and Problem-Based (APPB) learning. Used in combination with a team approach, APPB learning challenges students to continually hone their interpersonal and problem-solving skills along with their creative abilities focused on engineering concepts. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various engineering challenges. Students will also learn how to document their work and communicate their solutions to their peers and members of the professional community.

[ROP PLTW CIVIL ENGINEERING & ARCHITECTURE HONORS \(P\)](#)

[ROP PLTW HONORS AEROSPACE ENGINEERING \(P\)](#)

[ROP PLTW HONORS DIGITAL ELECTRONICS \(P\)](#)

HEALTH SCIENCE AND MEDICAL TECHNOLOGY

See page 28 for ROP course descriptions

[ROP INTRO TO HEALTH CAREERS \(P\)](#)

[ROP MEDICAL OCCUPATIONS \(P\)](#)

[ROP NURSING CAREERS \(P\)](#)

[ROP SPORTS MEDICINE/ATHLETIC TRAINER I \(P\)](#)

[ROP SPORTS MEDICINE/ATHLETIC TRAINER II \(P\)](#)

HOSPITALITY, TOURISM AND RECREATION

ADVANCED CULINARY ARTS A/B (P)

Course Codes: 65026/65027

Grade Level: 11-12

Length: 2 Semesters (10 Units)

College: UC/CSU "g" Elective Requirement

Prerequisite: Completion of Culinary Arts with a grade of "C" or higher

Description: This class is a portfolio/capstone course and upon successful completion, the student will have completed 3 full years of study in the culinary arts field, and will have demonstrated proficiency and preparedness to enter the culinary profession or advanced culinary learning at a reputable trade school. The portfolio will have a resume, a business plan, several recipes along with costing sheets, photos of student work, along with safety and sanitation credentials and ProStart Restaurant Management certifications. This body of work will demonstrate persistence to complete a rigorous career technical education program.

CULINARY ARTS A/B (P)

Course Codes: 65024/65025

Grade Level: 10-12

Length: 2 Semesters (10 Units)

College: UC/CSU "g" Elective Requirement

Prerequisite: Completion of Introduction to Culinary Arts with a grade of "C" or higher

Description: Culinary Arts is an in-depth two semester course, which emphasizes advanced culinary skills. During this course, the instructor will provide students with the most current trends in gourmet food preparation and presentation, utilizing the use of technology. This course will provide skills in the area of food services and hospitality. These lessons are applicable to a concentrator course in food service in the career pathway for the Hospitality, Recreation and Tourism industry sector. The students receive training in kitchen safety and sanitation, equipment and facility use, knife skills, food preparation to include: cold pantry, salads, soups and sauces, meats and poultry. Students will participate in the planning, costing, preparation, serving, storage, and critique of meals in project-based learning. Applied academic skills are incorporated in each unit. Some elements and cooking techniques of international cuisines are also incorporated into the curriculum. Career seeking and transferable skills culminate in a portfolio.

INTRODUCTION TO CULINARY ARTS A/B (P)

Course Codes: 65022/65023

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective Requirement

Description: Introduction to Culinary Arts is a two-semester foundational course in the Food Service and Hospitality career pathway within the Hospitality, Tourism, and Recreation sector of Career Technical Education. This course emphasizes nutrition knowledge and choices, food safety and sanitation, kitchen equipment usage, and consumer guidelines for informed decision-making. Students will gain hands-on experience in food preparation using a variety of recipes, exploring plating techniques and artistic expression to enhance presentation skills. Through this course, students develop critical thinking and creativity while mastering essential kitchen practices.

INFORMATION AND COMMUNICATION TECHNOLOGIES

See page 29 for ROP course descriptions

AP COMPUTER SCIENCE A/B (P)

Course Codes: 47060/47065

Grade Levels: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU Honors "c" Mathematics Requirement

Prerequisite: Completion of Comp Science Principles, Exploring Computer Science or Intro to Computer Programming with a grade of "C" or higher

Description: AP Computer Science A is designed for students seeking an in-depth study of computer science for the purpose of taking the Computer Science A Advanced Placement Test. A major component of the course is built around the development of computer programs that correctly solve a given problem. This course emphasizes design issues that make programs understandable and adaptable. Accordingly, students will learn how to develop and analyze algorithms, how to develop and use data structures, how to recognize and adapt standard algorithms and typical applications, and how to understand basic hardware and software components of computer systems. If a student plans to take both AP Computer Science Principles and AP Computer Science, it is recommended that AP Computer Science Principles should be taken first.

AP COMPUTER SCIENCE PRINCIPLES A/B (P)

Course Codes: 47078/47079

Grade Levels: 10-12

Length: 2 Semesters (10 credits)

College Honors: UC/CSU "d" Science Requirement; can be used to fulfill the recommended third year of science

Prerequisite: Completion of Intro to Comp Programming or Exploring Computer Science with a grade of "C" or higher

Description: AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. Through the course, students will be introduced to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. Students will also have the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. Through the AP Computer Science Principles course, students will be provided with valuable skills that will benefit them in many future areas of study and careers. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, students will develop computational thinking, learn about career paths that utilize computing, and will be introduced to professional tools that foster creativity and collaboration. Through this course, students will complete the AP Computer Science Principles Digital Portfolio and will gain support in learning the standards on the AP Computer Science Principles test.

IB COMPUTER SCIENCE HL 1 A/B (P)

Course Codes: 43545/43546

Grade Level: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Science Requirement

Prerequisite: "C" or better in Computer Science Principles or Exploring Computer Science or Intro to Computer Programming or AP Computer Science Principles, or instructor approval

Description: This course is the first year of a two-year course focusing on enabling and empowering student innovation, exploration and the acquisition of further knowledge of computer science. Topics covered include system fundamentals, computer organization, networks, computational thinking, problem-solving and programming, as well as the HL extension topics of Abstract data structures, resource management and control. HL Students will also learn through case studies and study one of the following options: databases, modelling and simulation, web science or object-oriented programming (OOP). Students will learn how to think procedurally, logically, concurrently, abstractly, and recursively, to utilize an experimental and inquiry-based approach to problem-solving and to develop algorithms and express them clearly.

IB COMPUTER SCIENCE SL A/B (P)

Course Codes: 43540/43541

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Science Requirement

Prerequisite: "C" or better in Computer Science Principles or AP Computer Science Principles or Intro to Programming

Description: This course focuses on enabling and empowering student innovation, exploration, and the acquisition of further knowledge of computer science. Topics covered include system fundamentals, computer organization, networks, and computational thinking and problem-solving and programming. Students will also learn through case studies and study one of the following options: databases, modelling and simulation, web science or object-oriented programming (OOP). Students will learn how to think procedurally, logically, concurrently, abstractly, and recursively to utilize an experimental and inquiry-based approach to problem-solving and to develop algorithms and express them clearly.

INTRODUCTION TO COMPUTER PROGRAMMING (P)

One semester course, must also sign up for another one semester course

Course Code: 44100

Grade Levels: 9-12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective Requirement

Prerequisite: Completion of Algebra I A/B

Description: Introduction to Computer Programming is an elective course that introduces students to the field of programming and computer science using the C# programming language. Students will learn how to create various user interfaces, use variables and data types, and write programming constructs and algorithms.

INTRODUCTION TO COMPUTER SCIENCE (P)

One semester course, must also sign up for another one semester course

Course Code: 43515

Grade Levels: 9-12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective Requirement

Description: Introduction to Computer Science (ICS) is a one-semester high school course set up in Gateway modules. In each module, student teams create an Android® interface to solve a problem the team defines. Students learn fundamental computer science (CS) concepts using Massachusetts Institute of Technology (MIT) Application (App) Inventor. Through the course students will develop computational thinking and build excitement. Several days in each module are targeted to build career awareness about computing skills in all fields and to improve students' cyber hygiene. This course creates a foundational course in the Systems and Software Development Pathway.

ROBOTICS A/B (P)

Course Code: 46005/46006

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective Requirement

Description: Robotics is an entry-level course for students interested in exploring careers in science, engineering, and technology-related fields. Students will be introduced to theoretical and practical concepts related to robotics, control systems, programming, electronics and mechanics. Students will work in structured teams to solve problems and create robots to perform specified tasks.

[ROP INTERNET ENGINEERING I \(CCNA1\)\(P\)](#)

[ROP INTERNET ENGINEERING II \(CCNA1\)\(P\)](#)

[ROP IT ESSENTIALS: \(CYBERSECURITY: ICT ESSENTIALS\) \(P\)](#)

MANUFACTURING AND PRODUCT DEVELOPMENT

METALS & MACHINE TOOLS A/B

Pending Board/UC Approval

Course Codes: 55040/55041

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective Requirement

Description: Skills taught and learned in this course are used in the manufacturing trades. Students begin by learning the characteristics, structural shapes, and uses of ferrous and non-ferrous metals; blueprint reading; and precision measurement using rulers, micrometers, and dial and digital calipers. Emphasis is placed on proper hand tool use, workplace safety, and compliance with OSHA and EPA standards prior to hands-on work in the machine tool lab. Safety standards are reinforced in every unit. Building on these foundational skills, students apply their knowledge through project-based learning that includes casting and pattern making, lathe and milling machine operations, and introductory CNC machining. By the end of the course, students design and manufacture a completed project that demonstrates proficiency in both manual and computer-aided machining processes. This year-long course serves as the CTE concentrator course for the Machining and Forming Technologies Pathway within the Manufacturing and Product Development sector.

ADVANCED METALS & MACHINE TOOLS A/B

Pending Board/UC Approval

Course Codes: 55045/55046

Grade Level: 10-12

Length: 2 Semesters (10 credits)

Prerequisite: Metals & Machine Tools

College: UC/CSU "g" Elective Requirement

Description: Skills taught and learned in this course are used in the manufacturing trades. Building on knowledge and skills developed in previous Machine Tool Technology courses, students learn and apply advanced machining processes to design and produce precision projects. Emphasis is placed on advanced operations of manual and computer-controlled lathes and milling machines, setup and operation of CNC equipment, and the integration of design and production through CAD-CAM technology. Students gain experience in programming and operating CNC machinery, using industry-standard software to model, simulate, and fabricate complex parts. Through project-based learning, students refine accuracy, efficiency, and craftsmanship while developing problem-solving and technical skills that align with modern manufacturing practices. Students also have the opportunity to work toward Haas CNC Certification, demonstrating industry-recognized proficiency. This year-long course serves as the capstone course for the Machining and Forming Technologies Pathway within the Manufacturing and Product Development sector and is repeatable for credit.

MARKETING, SALES AND SERVICE

See page 30 for ROP course descriptions

IB BUSINESS MANAGEMENT HL 1 A/B (P)

Course Codes: 46093/46094

Grade Level: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective Requirement

Description: This course is designed to meet the current and future needs of students who want to develop their knowledge of business content, concepts and tools to assist with business decision making. Future employees, business leaders, entrepreneurs or social entrepreneurs need to be confident, creative and compassionate as change agents for business in an increasingly interconnected global marketplace. Through the exploration of four interdisciplinary concepts: creativity, change, ethics and sustainability, this course empowers students to explore these concepts from a business perspective. IB Business Management focuses on business functions, management processes and decision-making in contemporary contexts of strategic uncertainty. Students examine how business decisions are influenced by factors that are internal and external to an organization and how these decisions impact upon a range of internal and external stakeholders. Emphasis is placed on strategic decision-making and the operational business functions of human resources, finance and accounts, marketing, and operations management.

IB BUSINESS MANAGEMENT HL 2 A/B (P)

Course Codes: 46095/46096

Grade Level: 12

Length: 2 Semesters (10 credits)

Prerequisite: IB Business Management HL 1

College: Honors UC/CSU "g" Elective Requirement

Description: This course is year 2 of a 2-year college-level business management course designed to meet the current and future needs of students who want to develop their knowledge of business content, concepts, and tools to assist with business decision-making. Future employees, business leaders, entrepreneurs, or social entrepreneurs need to be confident, creative, and compassionate as change agents for business in an increasingly interconnected global marketplace. This course is designed to encourage the development of these attributes. Through the exploration of four interdisciplinary concepts: creativity, change, ethics, and sustainability, this course empowers students to explore these concepts from a business perspective. IB Business Management focuses on business functions, management processes, and decision-making in contemporary contexts of strategic uncertainty. Students examine how these decisions impact upon a range of internal and external stakeholders. Emphasis is placed on strategic decision-making and the operational business functions of human resources, finance and accounts, marketing, and operations management.

IB BUSINESS MANAGEMENT SL A/B (P)

Course Codes: 46091/46092

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "g" Elective Requirement

Description: IB Business Management SL is a college-level business management course designed to meet the current and future needs of students who want to develop their knowledge of business content, concepts and tools to assist with business decision making. Future employees, business leaders, entrepreneurs or social entrepreneurs need to be confident, creative and compassionate as change agents for business in an increasingly interconnected global marketplace. This course is designed to encourage the development of these attributes. Through the exploration of four interdisciplinary concepts: creativity, change, ethics and sustainability, this course empowers students to explore these concepts from a business perspective. IB Business Management focuses on business functions, management processes and decision-making in contemporary contexts of strategic uncertainty. Students examine how business decisions are influenced by factors that are internal and external to an organization and how these decisions impact upon a range of internal and external stakeholders. Emphasis is placed on strategic decision-making and the operational business functions of human resources, finance and accounts, marketing, and operations management.

[ROP ECONOMICS OF BUSINESS OWNERSHIP \(P\)](#)

[ROP INTEGRATED MARKETING COMMUNICATIONS \(P\)](#)

[ROP SPORTS AND ENTERTAINMENT MARKETING \(P\)](#)

PUBLIC SERVICES

See page 31 for ROP course descriptions

[ROP CRIMINAL JUSTICE ACADEMY \(P\)](#)

[ROP EMERGENCY MEDICAL RESPONDER](#)

[ROP INTRODUCTION TO CRIMINAL JUSTICE \(CJ/CSI\) \(P\)](#)

TRANSPORTATION

See page 32 for ROP course descriptions

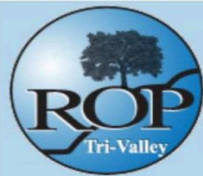
[ROP AUTO BODY REPAIR I \(P\)](#)

[ROP ADVANCED AUTO BODY REPAIR \(P\)](#)

[ROP AUTOMOTIVE TECHNOLOGY \(P\)](#)

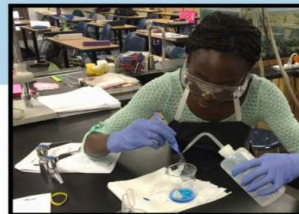
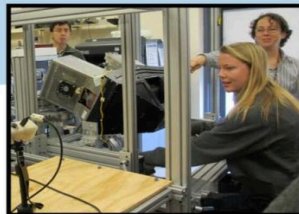
TRI-VALLEY REGIONAL OCCUPATIONAL PROGRAM (ROP)

Tri-Valley Regional Occupational Program (ROP) offers hands-on career-technical education classes that explore careers and/or college majors and develop job skills and a robust Middle College High School Program. ROP is a regional program in which students can take classes offered at sites other than their home schools. ROP classes are available to high school students enrolled in Dublin, Livermore and Pleasanton. Students must provide their own transportation to/from their off-site ROP classes. Students traveling to off-site ROP classes may require an open period in their schedules to accommodate travel between sites.

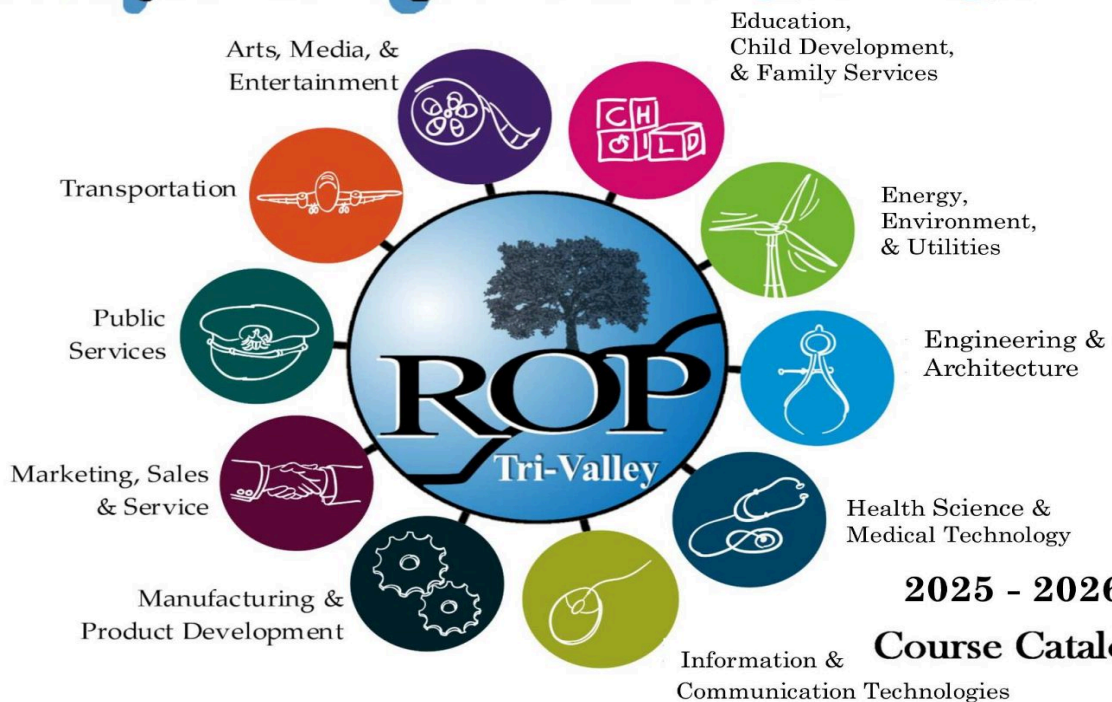


Tri-Valley Regional Occupational Program

"Careers by Choice, Not by Chance"

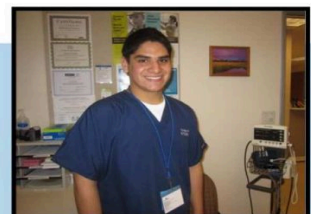


Choose your college and career pathway...



2025 - 2026

Course Catalog



ARTS, MEDIA AND ENTERTAINMENT

ROP ANIMATION & MOTION GRAPHICS I A/B (P)

Course Codes: 83155/ 83156

Grade Level: 11-12

School Site: [Dublin High School](#)

Length: Yearlong course; 2 periods each semester (20 credits)

College: UC/CSU "f" Visual & Performing Arts Requirement

College Credit: 3 credits

Certification Earned: Prepares students for the Adobe Certified Associate and Autodesk Certified User

Description: Animation students develop their mastery of the skills required to be a professional digital graphic artist or animator. Animation and Motion Graphics combines theory, such as the 12 Principles of Animation, with the knowledge to expertly navigate and use the various digital design programs. Throughout the year, we will be using Adobe Photoshop for digital editing and pre-production, followed by ToonBoom Harmony for our 2D Animation or Autodesk Maya for our 3D work. Students learn the steps of working through a professional animation work-flow, working on our new iMac workstations daily and with access to our assortment of Wacom drawing tablets. Projects from this class are shared through internet media such as YouTube, for purposes of leaving the class with a final portfolio of your work to show to possible employers or college institutions. Students may also complete the Autodesk Certified User and Adobe Certified Associate certification exams.

ROP HONORS ARTIST PORTFOLIO A/B (P)

Course Codes: 83090/ 83091

Grade Level: 11-12

School Site: [Dublin High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College Honors: UC/CSU "f" Visual & Performing Arts Requirement

Certificate Earned: Prepares students for the Adobe Certified Associate and Autodesk Certified User

Description: The Honors Artist Portfolio course is a challenging course that focuses on building a body of work for student's professional portfolios. Successful students will demonstrate their development of technical skills and application of the elements and principles of art. The class will focus on the strengthening of independent thinking and creativity, the development of personal style and technique, as well as critical thinking skills through problem solving. This course is designed for students who are committed to improving their skills in visual art and are planning to take AP Studio Art and/or pursue art in college and career. Coursework will expose students to art through history from international cultures and movements. Students will do written analysis and critique of their own art and other artists, and review and respond to a current gallery or museum exhibition. During the class, students will write formal self and group critiques, analysis and statements about artwork. Honors Artist Portfolio students will participate in preparing and exhibiting their work publicly.

ROP VIDEO GAME ART & DESIGN A/B (P)

Course Codes: 83345/83346

Grade Level: 11-12

School Site: [Dublin High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "f" Visual & Performing Arts Requirement

College Credits: 3 credits

Certificate Earned: Prepares students for the Adobe Certified Associate and Autodesk Certified User

Description: Video Game Art & Design students get hands-on experience working in Autodesk Maya learning the skills to be a 3D Modeler. Students spend the majority of the year exploring the methods used to develop 3D models for games, including the ability to prepare and generate textures for their models in Adobe Photoshop. The class also touches on game engines, such as Unreal and Unity, as well as 3D sculpture tools Zbrush and Mudbox. While exploring the development of games, students learn about ludology, the theory of gameplay, in order to understand why people play games and their reaction to game mechanics. All students will develop a portfolio of their work, which can be used when seeking internships and/or to gain admission in post-secondary game design programs. Students may also complete the Autodesk Certified User and Adobe Certified Associate certification exams.

BUILDING TRADES & CONSTRUCTION

ROP CONSTRUCTION TECHNOLOGY I A/B (P)

Course Codes: 83160/83161

Grade Level: 10-11

School Site: [Emerald High School](#)

Length: Yearlong course; 2 periods each semester (20 credits)

College: UC/CSU "g" College-Prep Elective Requirement

Description: This introductory course equips high school students with foundational knowledge and practical skills to explore careers in the building and construction trades. The general goal of this course is to provide students with entry level skills in the occupational areas of carpentry, electrical, plumbing and the construction trades. Emphasis will be placed on the production methods, execution and craftsmanship of work and the use of materials given.

ROP CONSTRUCTION TECHNOLOGY II A/B (P)

Course Codes: 83162/83163

Grade Level: 12

School Site: [Emerald High School](#)

Length: Yearlong course; 2 periods each semester (20 credits)

College: UC/CSU "g" College-Prep Elective Requirement

Prerequisite: Successful completion of ROP Construction Technology I A/B

Certificate Earned: OSHA 10

Description: Construction Technology 2 allows for returning students that have successfully completed Construction Technology I the opportunity to expand their construction knowledge, experience, and workplace readiness by assuming the leadership roles of manager, instructor and mentor associated with the construction industry. The Construction Technology II program builds upon the Construction Technology I course requirements and focuses on residential and commercial construction. The course covers basic construction math associated with measurement, scaled drawings, blueprint reading, safety and proper use of both hand and power tools relating to the general construction industry. Students acquire these skills through the use of technology and real world problem solving as they move through the execution of small to large construction projects. Integrated throughout the course are skills that include communication, work ethics, interpersonal/team skills, critical thinking and related employment skills essential to the 21st Century employment arena.

EDUCATION, CHILD DEVELOPMENT AND FAMILY SERVICES

ROP DEVELOPMENTAL PSYCHOLOGY OF CHILDREN I A/B (P)

Course Codes: 83130/83135

Grade Level: 10-12

School Site: [Granada High School](#)

Length: Yearlong course; 2 periods each semester (20 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 6 credits

Prerequisite: Proof of a current TB Test, provided by the student, to work in the community

Certification: California Commission on Teacher Credentialing (CCTC), Early Childhood Assistant, CPR Cert

Description: Interested in a career involving children? Considering a career as a pediatrician, teacher, psychologist, or social worker? If so, the Developmental Psychology of Children (DPOC) course is for you. DPOC is a course that combines classroom instruction and off-campus work-based learning placements. That means you learn about the development of children, while you actually get to work with them! Work-based learning placements take place during the scheduled class time at local elementary schools, child care centers, or preschools. Opportunities for after-school paid work-based learning placements are also available. Throughout the school year, you will study a variety of child growth and development topics, and you will learn how to work with children ages birth to adolescence. In addition, you will be trained in CPR. After successfully completing the course, you are eligible to receive transferable college credits (for free) from Las Positas College! Make a difference in a child's life...enroll in Developmental Psychology of Children. Work-based learning placement is a required component of the program and students must provide their own transportation. Students in after-school paid work-based learning placements may earn up to five additional credits per high school semester.

ROP DEVELOPMENTAL PSYCHOLOGY OF CHILDREN II A/B (P)

Course Codes: 83137/83138

Grade Level: 11-12

School Site: TBD

Length: Yearlong course; 2 periods each semester (20 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 6 credits

Prerequisite: Developmental Psychology of Children I

Certification: California Commission on Teacher Credentialing (CCTC), Early Childhood Assistant, CPR Certification

Description: This is an advanced course in child development and education. Students increase their knowledge, experience, and job skills at a work-based learning placement. Advanced projects further develop skills. Students will focus on: observation of children and programs; communicating with children, staff, and parents; planning age-appropriate curriculum; and understanding the history, theories, philosophies, and legal aspects of careers related to children.

Work-based learning placement is a required component of the program and students must provide their own transportation. Students in after-school paid work-based learning placements may earn up to five additional credits per high school semester.

ENGINEERING & ARCHITECTURE

ROP PLTW CIVIL ENGINEERING & ARCHITECTURE HONORS A/B (P)

Course Codes: 52085/52086

Grade Level: 10-12

School Site: [Livermore High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College Honors: UC/CSU "d" Science Requirement

Description: Civil engineering has a significant role in the life of every human being, though one may not truly sense its importance in our daily routines. Architecture is the art/practice of designing and constructing buildings. To help students explore these career fields, students learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. In addition, students use 3D design software to design and document solutions for major course projects. Students communicate and present solutions to their peers and members of a professional community of engineers and architects. This course is a specialization-level course designed to follow the Project Lead the Way Engineering foundation courses.

ROP PLTW HONORS DIGITAL ELECTRONICS A/B (P)

Course Codes: 83397/83398

Grade Level: 10-12

School Site: [Foothill High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College Honors: UC/CSU "d" Science Requirement

Description: Digital Electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras, and high definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation. The course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study in the area of digital electronics. While this is one of several courses that allow students to further their engineering studies in a specific field or specialty, the logic design skills learned here are highly transferable to other engineering disciplines.

ROP PLTW HONORS AEROSPACE ENGINEERING A/B (P)

Course Codes: 83400/83401

Grade Level: 10-12

School Site: [Foothill High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College Honors: UC/CSU "d" Science Requirement

Description: Aerospace Engineering is a high school-level course intended to propel student's learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. The course exposes students to some of the major concepts that they will encounter in a post-secondary engineering course of study in the area of aerospace engineering.

HEALTH SCIENCE AND MEDICAL TECHNOLOGY

ROP INTRO TO HEALTH CAREERS A/B (P)

Course Codes: 83217/ 83218

Grade Level: 9-12

School Site: [Granada High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 2 credits

Certificate Earned: CPR Certification

Description: This course is designed to expose students to the healthcare industry by surveying the wide spectrum of health care occupations and equipping them with the entry level knowledge and skills that apply to a variety of health occupations. This course is a great course to take before taking Medical Occupations or Nursing Careers. Students who successfully complete this course will acquire the necessary knowledge and skills that will allow them to pursue an education and career in the healthcare industry. Students will be trained in hands-on skills, taking vitals, etc. Students will earn their Basic Life Support CPR Certification. Students will develop a professional career portfolio, job shadow health care professionals and earn volunteer service hours (outside of the school day) in the healthcare field.

ROP MEDICAL OCCUPATIONS A/B (P)

Course Codes: 83210/83215

Grade level: 11-12

School Site: [Granada High School](#)

Length: Yearlong course; 2 periods each semester (20 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 6 credits

Certificate Earned: Various industry recognized certifications

Requirements for Clinical: Current immunizations must be submitted on the first day of class. Flu shot (required for all students per hospital policy) is administered in September. Quantiferon TB test is required to be completed 60 days prior to the beginning of clinical work-based learning placement. Additional immunizations may be required by employer partners (for example, COVID vaccination and booster). Clinical work-based learning placements require that students provide their own transportation. Students must be available for work-based learning placements daily. Uniforms required. Description: Medical Occupations provides an introduction and broad exploration into several careers within the medical field including: Medical Assisting, Emergency Medicine, Veterinary Medicine, Dental Assisting/Hygienist, Geriatric Assistant, Physical Therapy, Surgical Technician and Nursing. Instruction is combined with a hands-on learning experience through instructor approved clinical internships at local medical facilities. Spring orientation is required in order to become enrolled in the program and must be attended by the student and parent(s).

ROP NURSING CAREERS A/B (P)

Course Codes: 83275/83280

Grade Level: 11-12

School Site: [Foothill High School](#)

Length: Yearlong course; 2 periods each semester (20 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 6 credits

Certificate Earned: Various industry recognized certifications

Requirements for Clinical: Current immunizations must be submitted on the first day of class. Flu shot (required for all students per hospital policy) is administered in September. Quantiferon TB test is required to be completed 60 days prior to the beginning of clinical work-based learning placement. Additional immunizations may be required by employer partners (for example, COVID vaccination and booster). Clinical work-based learning placements require that students provide their own transportation. Students must be available for work-based learning placements between 1:00 - 4:30 pm daily. Uniforms required.

Description: Nursing Careers offers a comprehensive introduction to the field of nursing while studying the care of patients and the role nurses provide in a variety of healthcare systems. Focus is given to the various specialties within the field and studies include a basic understanding of the systems of the body, medical terminology, diseases, basic patient care, taking vital signs, charting, medical ethics and understanding patient privacy laws. Instruction is combined with a hands-on learning experience through instructor approved internships at local hospitals, clinics and physician offices. Spring orientation is required in order to become enrolled in the program and must be attended by the student and parent(s).

ROP SPORTS MEDICINE/ATHLETIC TRAINER I A/B (P)

Course Codes: 83350/83351

Grade Level: 10-12

School Site: [Granada High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 4 credits

Certificates Earned: CPR Certification

Description: Sports Medicine/Athletic Training is an exciting, growing field with employment opportunities in athletic training, sports medicine and physical therapy. Instruction encompasses the study of anatomy, physiology, nutrition, pharmacology and kinesiology to understand the aspects of the field. Students are introduced to associated medical terminology and the practice of classification and assessment of injuries. Through work-based learning placements, internships, students apply skills learned in class to the prevention of injuries, the understanding of human body modalities and rehabilitation, the procedures of training rooms, and the safety factors related to sports medicine.

ROP SPORTS MEDICINE/ATHLETIC TRAINER II A/B (P)

Course Codes: 83353/83354

Grade Level: 11-12

School Site: [Granada High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

Prerequisite: Sports Medicine/Athletic Trainer I

Description: Sports Medicine II provides an excellent opportunity for students to continue exploring their interest in the fields of health science and medicine. This class provides a framework of advanced skills for understanding functional anatomy and kinesiology, building on the concepts of anatomy/physiology learned in Sports Medicine I. The lecture/lab format focuses on clinical hands-on learning, including evaluation, assessment, treatment and events, assisting the Head Athletic Trainer or Team Physician, and working with other health care professionals. Integrated throughout the course are career technical education standards, which include basic academic skills, communication, career planning, technology, problem solving, safety, responsibility, ethics, teamwork and technical knowledge.

INFORMATION AND COMMUNICATIONS TECHNOLOGY

ROP INTERNET ENGINEERING I (CCNA1) A/B (P)

Course Codes: 83383/ 83384

Grade Level: 11-12

School Site: [Livermore High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 3 credits

Certificate Earned: First course to prepare students for the Cisco CCNA Certification and A+ Industry Certification

Description: CCNA Routing and Switching curriculum is a gateway to entry-level networking jobs and IT Careers. The curriculum consists of 4, 70-hour courses: Introduction to Networks (Internet Engineering 1 (CCNA1)), Routing and Switching Essentials (Internet Engineering 2 (CCNA2)). Internet Engineering I is an interdisciplinary course designed to prepare students for post-secondary success in the Information and Communication Technologies (ICT) field. The course engages students with studies of: the history and implications of network communications; the protocols which make the Internet possible; how networks provide access to services; and college and career preparation in the ICT field. This course integrates the theory and application of network communications, and exposes students to media that invites them to consider how Internet engineers think, design, and solve problems. Students have several opportunities to produce college-ready writing, collaborate, research, develop study skills, and develop 21st century skills in this course.

ROP IT ESSENTIALS: (CYBERSECURITY: ICT ESSENTIALS) (P)

Course Codes: 44410/ 44411

Grade Level: 10-12

School Site: [Livermore High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 4 credits

Certificate Earned: Prepares students for the A+ Certification Exam

Description: An in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot problems. An introduction to computer networking is included.

MARKETING, SALES AND SERVICE

Economics of Business Ownership, Integrated Marketing Communications and Sports and Entertainment Marketing students who work 10-15 hours per week have the opportunity to earn additional high school credits based on their on-the-job experience. Students are responsible for maintaining all required employment records and meeting all deadlines established by the teacher. Students must provide their own transportation. DECA is an integral component to this program and provides additional focus on developing written and oral presentation skills, as well as leadership and social and professional skills that will build self-confidence for college and career success. DECA offers the opportunity for students to participate in competitive events throughout the year, in a variety of locations at local, state and international levels. Students have the opportunity to receive recognition, awards and scholarships. DECA is endorsed by the United States Department of Education and the California Department of Education.

ROP ECONOMICS OF BUSINESS OWNERSHIP A/B (P)

Course Codes: 83260/83265

Grade Level: 11-12

School Site: [Granada High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 3 credits

Description: Learn the process of starting and managing a business. Students with an entrepreneurial interest learn skills related to organization, effective decision making, and goal setting. Students develop comprehensive business plans including research & development of ideas, product planning, finance and marketing. Students research how marketing, management, ethics and communication play an important role in business success. Students gain practical experience by utilizing virtual business and social media simulations (and prepare for possible social media marketing certification). Students receive training in constructing resumes, employment applications, cover letters and references and interviewing skills. Students complete a career portfolio to prepare for entry into the job market with a competitive edge. Business concepts and leadership skills are reinforced through co-curricular participation in DECA.

ROP INTEGRATED MARKETING COMMUNICATIONS A/B (P)

Course Codes: 83268/83269

Grade Level: 10-12

School Site: [Granada High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College : UC/CSU "g" College-Prep Elective Requirement

College Credit: 3 credits

Description: Learn about the field of marketing and the vast career opportunities within this industry. Explore areas such as market research, product development, pricing, promotion, distribution, visual merchandising, presentation and project management through a variety of hands-on projects. Students receive training in constructing resumes, employment applications, cover letters and references, in addition to interviewing skills. Students will complete a career portfolio to prepare for entry into the job market with a competitive edge.

ROP SPORTS AND ENTERTAINMENT MARKETING A/B (P)

Course Codes: 83356/83357

Grade Level: 11-12

School Site: [Dublin High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College : UC/CSU "g" College-Prep Elective Requirement

College Credit: 3 credits

Description: Learn what it takes to have a career in the field of sports and entertainment marketing. Through focused instruction on the marketing concepts and strategies, students explore the professional, college and amateur sports world, as well as a vast variety of entertainment events and how this lucrative industry reaches their target audience. Students will plan and utilize market research; develop promotion and marketing materials for sports and entertainment events; and improve leadership skills through co-curricular participation in DECA.

PUBLIC SERVICES

ROP CRIMINAL JUSTICE ACADEMY A/B (P)

Course Codes: 83187/ 83188

Grade Level: 10-12

School Site: [Las Positas College](#)

Length: 1 year/2 periods per semester (20 credits)

College: Honors UC/CSU "g" College-Prep Elective Requirement

College Credit: 16 credits

Certificate Earned: CPR Certification

Description: Students will have the unique opportunity to participate in a variety of exciting activities designed to enhance their learning. Activities include field trips, career exhibitions, leadership opportunities, mentoring, ridealongs, and academy competitions. Students will complete physical training at the RTC facility in the Alameda County Sheriff's campus and have the opportunity to complete the confidence course just like a cadet! Each student will be assigned a law enforcement professional mentor to help them develop their professional skills. Students will learn the historical development, philosophy of law, and constitutional provisions of administrative justice. Students will explore the ethical, legal, and moral complexities of law enforcement in a democracy; they will examine the complex, dynamic relationship between communities and the justice system. Students will write investigative reports with an emphasis on accuracy and details necessary, including, arrest reports, incident reports, and miscellaneous field reports. Academy cadets will have the opportunity to wear attire that best suits their desired career path within the justice system. To show a commitment to the principles of public service, volunteer hours are a required component of this course.

ROP EMERGENCY MEDICAL RESPONDER

Course Code: 83380

Grade Level: 10-12

School Site: [Foothill High School](#)

Course Length: 1 semester/2 days per week - evenings only (5 credits)

College Credit: 3 credits

Certificates Earned: EMR Certification, CPR Certification

Description: This course develops the knowledge and skills necessary for recognizing and caring for emergency situations, including CPR, prevention of disease transmission, and automated external defibrillation. Designed for first responders in an emergency. Successful completion of the skills test with an 80% or better qualifies students for the American Safety and Health Institute (ASHI) First Responder certificate and an American Heart Association Basic Life Support Healthcare Provider certificate. This class is held twice a week in the evenings during Fall or Spring semester.

ROP INTRODUCTION TO CRIMINAL JUSTICE A/B (CJ/CSI)(P)

Course Codes: 83180/83185

Grade Level: 10-12

School Site: [Livermore High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 6 credits

Certificate Earned: CPR Certification

Description: This course provides students with a strong overview of law enforcement as a career. Each portion of the course helps students obtain a proficiency in understanding the different components of the criminal justice system. Students are provided with an overview of career opportunities, including but not limited to sworn personnel such as police officers, sheriffs, highway patrol, and non-sworn personnel such as dispatchers, evidence technicians, lab technicians, and attorneys. The course is tied together utilizing curriculum in crime scene investigation. Students employ skills learned on hands-on projects, including investigating a mock crime scene.

TRANSPORTATION

ROP AUTO BODY REPAIR I A/B (P)

Course Codes: 83107/ 83108

Grade Level: 10-12

School Site: [Livermore High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

Certificate Earned: i-CAR

Description: Examine the world of auto collision repair and refinishing by learning the industry skills necessary for a successful career in the field. Students explore trends and future technologies of the collision repair and refinishing industry and practice identifying auto body damage and the relationship to cost estimation. Instruction focuses on giving students hands-on experience in learning the skills of the trade, including: how to straighten and repair auto bumper covers, replace panels, prep cars for paint, rebuild and repaint auto bodies, MIG weld and detail cars.

ROP ADVANCED AUTO BODY REPAIR A/B (P)

Course Codes: 83126/ 83127

Grade Level: 11-12

School Site: [Livermore High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

Prerequisite: Auto Body Repair I

Certificate Earned: i-CAR

Description: This course is for students interested in a career in auto collision repair and refinishing. Students study advanced topics and complete projects that include learning the skills required for color matching to industry specifications. Instruction focuses on students applying skills and knowledge learned to identify frame damage and methods of repair and measuring. Students will become proficient in shop management, team leadership and business principles.

ROP AUTOMOTIVE TECHNOLOGY A/B (P)

Course Codes: 83111/ 83112

Grade Level: 10-12

School Site: [Granada High School](#)

Length: Yearlong course; 1 period each semester (10 credits)

College: UC/CSU "g" College-Prep Elective Requirement

College Credit: 4 credits

Certificate Earned: i-CAR

Description: Automotive Technology is a comprehensive, hands-on course that allows students to explore and practice the necessary skills needed to repair car engines and parts. Instruction includes: steering and suspension, brakes, electrical, maintenance, engine diagnostics and repair, rear axle, automatic transmissions and emission controls. Students gain experience in tire repair, changing and high-speed tire balancing, brake and wheel bearing inspection, measuring and repairing and front and four-wheel alignment. Desired business and shop practices are studied, along with advanced automotive theory used in the industry. Students practice test preparation and procedures for the Automotive Service Excellence (ASE) certification and learn the benefits of gaining ASE certifications. Students may work on their own car or a family car with approval from the instructor.

ROP MIDDLE COLLEGE PROGRAM

MIDDLE COLLEGE AT LAS POSITAS COMMUNITY COLLEGE

Grade Level: 11-12

Middle College is an alternative education collaboration between the Tri-Valley Regional Occupational Program and Las Positas College. Middle College provides a supportive, academically rigorous environment for self-directed learners looking for a non-traditional collegiate pathway. Middle College gives students an opportunity to achieve high school and college academic success, to explore and pursue vocational and career aspirations, and to prepare themselves for future college experiences in a supportive, academically-challenging environment. Working in collaboration with Las Positas College, Middle College students pursue post-secondary goals through a highly engaging instructional program that is based on critical thinking, collaboration, and effective communication. Interested students will need to complete the application process. For more information regarding the program and steps to enroll, please visit TVROP.org.

ROP CAREER PATHWAYS AT-A-GLANCE

Contact your College & Career Center for more information.		Class offered to all students at the campus below:						High School Credits Earned	College Credit Available	UC/CSU Approved	Certification/Licensure	PAGE
		AVHS - Amador Valley	DHS - Dublin High	EHS- Emerald High	FHS - Foothill High	GHS - Granada High	LHS - Livermore High					
Amador Valley High (925) 461-6100 x 6158												
Dublin High (925) 833-3300 x 7220												
Emerald High (925) 551-4040 x 4860												
Foothill High (925) 461-6600 x 5618												
Granada High (925) 606-4800 x 3520												
Livermore High (925) 606-4812 x 2330												
Career Pathway	TVROP Class											
Arts, Media and Entertainment	Animation & Motion Graphics I		x					20	Yes	"P"	Yes	3
	Honors Artist Portfolio		x					10	No	"P"	Yes	3
	Video Game Art & Design		x					10	Yes	"P"	Yes	3
Building Trades and Construction	Construction Technology I			x				20	No	"g"	No	4
	Construction Technology II			x				20	No	"g"	Yes	4
Education, Child Development and Family Services	Developmental Psychology of Children I		x		x	x	x	20	Yes	"g"	Yes	5
	Developmental Psychology of Children II		x		x	x	x	20	Yes	"g"	Yes	5
Energy, Environment, and Utilities	AP Environmental Science	x			x			10	No	"d"	No	6
Engineering and Architecture	Computer Integrated Manufacturing		x					10	No	"d"	No	7
	Honors Aerospace Engineering				x			10	No	"d"	No	7
	Honors Civil Engineering & Architecture						x	10	No	"d"	No	7
	Honors Digital Electronics	x						10	No	"d"	No	7
	Honors Principles of Engineering		x					10	Yes	"d"	No	8
Health Science and Medical Technology	Introduction to Health Careers		x			x	x	10	Yes	"g"	Yes	9
	Medical Occupations			x	x	x		20	Yes	"g"	Yes	9
	Nursing Careers					x		20	Yes	"g"	Yes	9
	Principles of Biomedical Science			x	x			10	No	"d"	No	10
	Sports Medicine – Athletic Trainer I	x	x	x	x	x	x	10	Yes	"g"	Yes	10
	Sports Medicine II	x	x	x		x	x	10	No	"g"	Yes	10
Information and Communication Technologies	Internet Engineering I (CCNA1)						x	10	Yes	"g"	Yes	11
	Internet Engineering II (CCNA2)						x	10	Yes	"g"	Yes	11
	IT Essentials (Cybersecurity: ICT Essentials)						x	10	Yes	"g"	Yes	11
Marketing, Sales, and Services	Integrated Marketing Communications	x	x	x	x	x		10	Yes	"g"	No	12
	Sports and Entertainment Marketing		x		x			10	Yes	"g"	No	12
	Economics of Business Ownership	x	x	x		x		10	Yes	"g"	No	13
Public Services	Criminal Justice Academy						x	20	Yes	"g"	Yes	14
	Introduction to Criminal Justice (CJ/CSI)	x	x	x	x		x	10	Yes	"g"	Yes	14
	Emergency Medical Responder				x			5	Yes	No	Yes	14
Transportation	Auto Body Repair I						x	10	Yes	"g"	Yes	15
	Advanced Auto Body Repair						x	10	No	"g"	Yes	15
	Automotive Technology					x	x	varies	Yes	"g"	Yes	15

For more information regarding ROP and registration, come see the College and Career Specialist, Ms. Watson, in the Counseling & Career Center

ENGLISH DEPARTMENT

Students are required to complete 40 credits of English in order to graduate. Each of these courses meets the “b” standards for University of California and/or California State University. Refer to page 40 for English Language Development (ELD) course offerings and support classes for English learners.

ENGLISH

9th Grade Required: 10 Credits	10th Grade Required: 10 Credits	11th Grade Required: 10 Credits	12th Grade Required: 10 Credits
Choose one of the following year-long courses: English English ELD Honors English	Choose one of the following year-long courses: English English ELD Honors English AP Seminar	Choose one of the following year-long courses: English English ELD AP Language & Composition IB Language and Literature HL 1	Choose one of the following year-long course sequence: English English ELD Fantasy Sci Fiction & Mythology AP Literature & Composition IB Language & Literature HL 2 Satire & Short Story Shakespeare & Mythology

ENGLISH 9 A/B (P)

Course Codes: 10010/10020

Grade Level: 9

Length: 2 Semesters (10 credits)

College: UC/CSU “b” English Requirement

Description: In this course students will increase their vocabulary, improve their grammar and develop their writing skills through practice of paragraph and essay writing. They will study literature, learning how to observe carefully the setting, characters, plot, conflict and theme of short stories as well as plays and novels. They will also gain experience in using the library both for research and recreational reading, and computer use.

ENGLISH 9 HONORS A/B (P)

Course Codes: 10110/10120

Grade Level: 9

Length: 2 Semesters (10 credits)

College: UC/CSU “b” English Requirement

Prerequisite: Completion of 8th grade English with a grade of “B” or higher; or teacher approval

Description: This course requires rigorous analysis of literature, additional written composition, and more class discussion. This course is an intensive, demanding class that emphasizes advanced composition assignments and projects, including insightful essays, oral presentations, pictorial presentations, or a combination of the above that demonstrate a student's critical thinking and awareness of the authors' themes, purposes and perceptions.

ENGLISH 10 A/B (P)

Course Codes: 10030/10040

Grade Level: 10

Length: 2 Semesters (10 credits)

College: UC/CSU “b” English Requirement

Description: English 10 is a survey course covering reading, writing and vocabulary development. The literature will include short stories, novels, poetry and drama. Students will review sentence structure, punctuation and essay writing.

ENGLISH 10 HONORS A/B (P)

Course Codes: 10130/10140

Grade Level: 10

Length: 2 Semesters (10 credits)

College: UC/CSU “b” English Requirement

Prerequisite: Completion of English 9 with a grade of “B” or higher; or teacher approval

Description: This course requires rigorous analysis of literature, additional written compositions and more class discussions. This challenging course emphasizes literature, writing, grammar and vocabulary. This course will further develop skills in the analysis and understanding of world literature. Students will be able to distinguish styles and philosophies, and be able to relate them to external social and political events. They will continue to improve their verbal and mechanical skills.

AP SEMINAR A/B (P)

Course Codes: 88050/88051

Grade Level: 10

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "b" English Requirement

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

ENGLISH 11 A/B (P)

Course Codes: 10050/10060

Grade Level: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "b" English Requirement

Description: In this course students will study American and contemporary literature. They will develop an awareness of the social and historical trends influencing our literature as well as develop an understanding of basic values, attitudes and beliefs in our literary heritage. They will also continue to improve their writing skills.

AP ENGLISH LANGUAGE AND COMPOSITION A/B (P)

Course Codes: 10035/10036

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "b" English Requirement

Prerequisite: Completion of English 10 with a grade of "B" or higher; or teacher approval

Description: This course engages students in becoming skilled readers of prose writing in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading will make students 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 effectiveness in writing. Students will write in informal as well as formal contexts to gain authority and learn to take risks in writing. Imitation exercises, journal keeping, collaborative writing, and in-class responses will help students become increasingly aware of themselves as writers and of the techniques employed by the writers they read. Students will read in a variety of prose styles from many disciplines and historical periods to gain understanding of the connections between interpretive skill in reading and writing. Students will gain an academic experience parallel to that of the college level.

IB LANGUAGE AND LITERATURE HL 1 A/B (P)

Course Codes: 10570/10571

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "b" English Requirement

Prerequisite: Completion of English 10 with a grade of "C" or higher; or teacher approval

Description: This course is the first year of a two-year program comprising four parts: two parts focus on nonfiction texts; two parts focus on fiction texts. One of the primary goals of this course is to enable students to interpret and analyze texts independently. In support of this goal, students will learn how to identify and interpret formal elements (rhetorical, literary, and poetic devices). Assignments will require the analysis of the effects of language, context, audience, and purpose on texts, as well as the evaluation of more than one viewpoint and/or theme in a text. Ultimately, the course aims to help students through the study of a variety of texts - including articles, essays, advertisements, speeches, novels, poetry, plays, and visual art forms - to become internationally-minded individuals who are aware of the constructs of culture and are capable of expressing their thoughts clearly both orally and in writing while adhering to standard writing conventions.

SENIOR ENGLISH

Seniors are required to choose a year-long course sequence from the designated course pairings outlined in the English department flowchart or in the course descriptions. Students will be required to take both courses in the sequence. Each course meets the "b" standards for University of California and/or California State University.

ENGLISH 12 A/B (P)

Yearlong course

Course Codes: 10070/10080

Grade Level: 12

Length: 2 Semesters (10 credits)

College: UC/CSU "b" English Requirement

Description: In this course, students will continue to progress as writers and critical thinkers through the study of a variety of writing techniques, communication skills, literary genres and non-fiction texts. Students will continue to develop the skills necessary to be successful in both academics and the workplace. Students will strengthen their reading and writing skills and practice academic and vocational reading and writing, including the types of writing placement tests many universities require.

AP ENGLISH LITERATURE AND COMPOSITION A/B (P)

Yearlong course

Course Code: 10045/10046

Grade Level: 12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "b" English Requirement

Prerequisite: Completion of English 11 with a grade of "B" or higher; or teacher approval

Description: This course focuses on extensive and intensive reading and discussing serious college-level literature.

Emphasis is placed on analytical, rhetorical and critical analysis, both written and oral. Upon completion of the course, students will be prepared to take the AP Literature and Composition Exam. This course is designed to provide students with an academic experience parallel to that of the college level.

IB LANGUAGE AND LITERATURE HL 2 A/B (P)

Yearlong course

Course Codes: 10575/10576

Grade Level: 12

Length: 2 Semesters, (10 credits)

College: Honors UC/CSU "b" English Requirement

Prerequisite: Completion of IB Language and Literature HL 1 with a grade of "C" or higher; or teacher approval

Description: IB Language and Literature HL 2 is the second year of a two-year program consisting of two parts consisting of nonfiction and fiction texts. One of the primary goals of this course is to enable students to interpret and analyze texts independently. Students will learn how to identify and interpret formal elements (rhetorical, literary, and poetic devices).

Assignments will require the analysis of the effects of language, context, audience, and purpose on texts, as well as the evaluation of more than one viewpoint and/or theme in a text. Ultimately, the course aims to help students through the study of a variety of texts - including articles, essays, advertisements, speeches, novels, poetry, plays, and visual art forms to become internationally-minded individuals who are aware of the constructs of culture and are capable of expressing their thoughts clearly both orally and in writing while adhering to standard writing conventions.

FANTASY AND SCIENCE FICTION (P)

Paired with: Mythology

Course Code: 10016

Grade Level: 12

Length: 1 Semester (5 credits)

College: UC/CSU "b" English Requirement

Co-requisite: Students must enroll in Mythology

Description: This course is designed for students who love to read these genres of literature. Students will study the history of science fiction and read representative authors. Students will also study the evolution of fantasy literature from fairy tales and mythology to the genre's present form. Students will conduct independent research and present their findings to the class. Students will also use a wide variety of technological tools in writing papers, developing projects, and creating presentations.

MYTHOLOGY (P)

Paired with: Fantasy & Sci/Fict and Shakespeare

Course Code: 10143

Grade Level: 12

Length: 1 Semester (5 credits)

College: UC/CSU "b" English Requirement

Co-requisite: Enrollment in Fantasy and Science Fiction or Shakespeare course sequence

Description: This class studies Greco-Roman, Norse and Native American mythology and applies those archetypes to universal and contemporary human experiences. Students will study epic, episodic and philosophical forms of literature and will write essay and narrative pieces.

SATIRE (P)

Paired with: Short Story

Course Code: 10320

Grade Level: 12

Length: 1 Semester (5 credits)

College: UC/CSU "b" English Requirement

Description: This course examines satirical literature as a particular genre. Students study satirical literature from three centuries of writings. As they learn about satire, students gain useful experience in critical reading, critical and philosophical thinking and analytical writing. Students must be able to read college-level works of literature. They will produce major papers, a final project and a final paper.

SHAKESPEARE (P)

Paired with: Mythology

Course Code: 10141

Grade Level: 12

Length: 1 Semester (5 credits)

College: UC/CSU "b" English Requirement

Description: Students will study Shakespearean plays, sonnets and the life and times of Shakespeare himself. Students will also produce major papers that will reflect their understanding of the significant ideas and themes in Shakespeare's literature. Othello, Twelfth Night, The Merchant of Venice, King Lear, Richard II, The Tempest and The Comedy of Errors are among the titles that will be covered in this class. Activities will include reader's theater, dramatic readings, stage direction, recreation of scenes in diverse genres, and research projects.

SHORT STORY (P)

Paired with: Satire

Course Code: 10370

Grade Level: 12

Length: 1 Semester (5 credits)

College: UC/CSU "b" English Requirement

Description: This elective course emphasizes and unites both analytical and creative aspects of the short story. Students focus on the short story and experience writing as a process. The analytic skills are developed through the analysis of short stories and the writing of essays; whereas the creative skills are developed through exercises, short writes, dialogues, etc., that enable the student to model the process of professional writers. Such exercises also enable students to move into, through and beyond the literature and grapple with major themes and ideas. Assignments foster critical thinking and develop creative skills.

ENGLISH ELECTIVES

JOURNALISM A/B (P)

Course Codes: 10510/10520

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective Requirement

Description: This elective course teaches the academic side of journalism and students use those learned skills to produce a school magazine/newspaper. Students practice all aspects of journalism through hands-on experience and a study of journalism-related literature. Research and analytical skills, process writing in a variety of genres, and interview skills are strongly emphasized to prepare students for career paths and for study at the college level.

ENGLISH LANGUAGE DEVELOPMENT (ELD)

In the designated ELD English courses, students learn to communicate about a range of topics and academic content areas through listening, speaking, reading, and writing activities that target high-level thinking with appropriate support. Students are provided interactive and collaborative opportunities to express their own ideas as well as to question, interpret, and evaluate the ideas of others. The course content of these courses focuses on teaching the students skills and strategies for critical, independent reading and writing of completed expository and narrative texts. English ELD courses provide protected time for small group instruction for English learners at all proficiency levels. This small group instruction builds critical language skills into and from the English content and is focused on the CA ELD Standards. These courses meet the "B" standards of University of California and/or California State University.

ENGLISH 9 ELD A/B (P)

Course Codes: 10832/10833

Grade Level: 9

Length: 2 Semesters (10 credits)

College: UC/CSU "b" English Requirement

Co-requisite: Concurrent Enrollment in ELD Support

ENGLISH 10 ELD A/B (P)

Course Codes: 10834/10835

Grade Level: 10

Length: 2 Semesters (10 credits)

College: UC/CSU "b" English Requirement

Co-requisite: Concurrent Enrollment in ELD Support

ENGLISH 11 ELD A/B (P)

Course Codes: 10836/10837

Grade Level: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "b" English Requirement

Co-requisite: Concurrent Enrollment in ELD Support

ENGLISH 12 ELD A/B (P)

Course Codes: 10838/10839

Grade Level: 12

Length: 2 Semesters (10 credits)

College: UC/CSU "b" English Requirement

Co-requisite: Concurrent Enrollment in ELD Support

ENGLISH LANGUAGE DEVELOPMENT (ELD) SUPPORT

ELD NEWCOMER A/B

Course Codes: 86981/86982

Grade Level: 9-12

Length: 2 Semesters (10 credits)

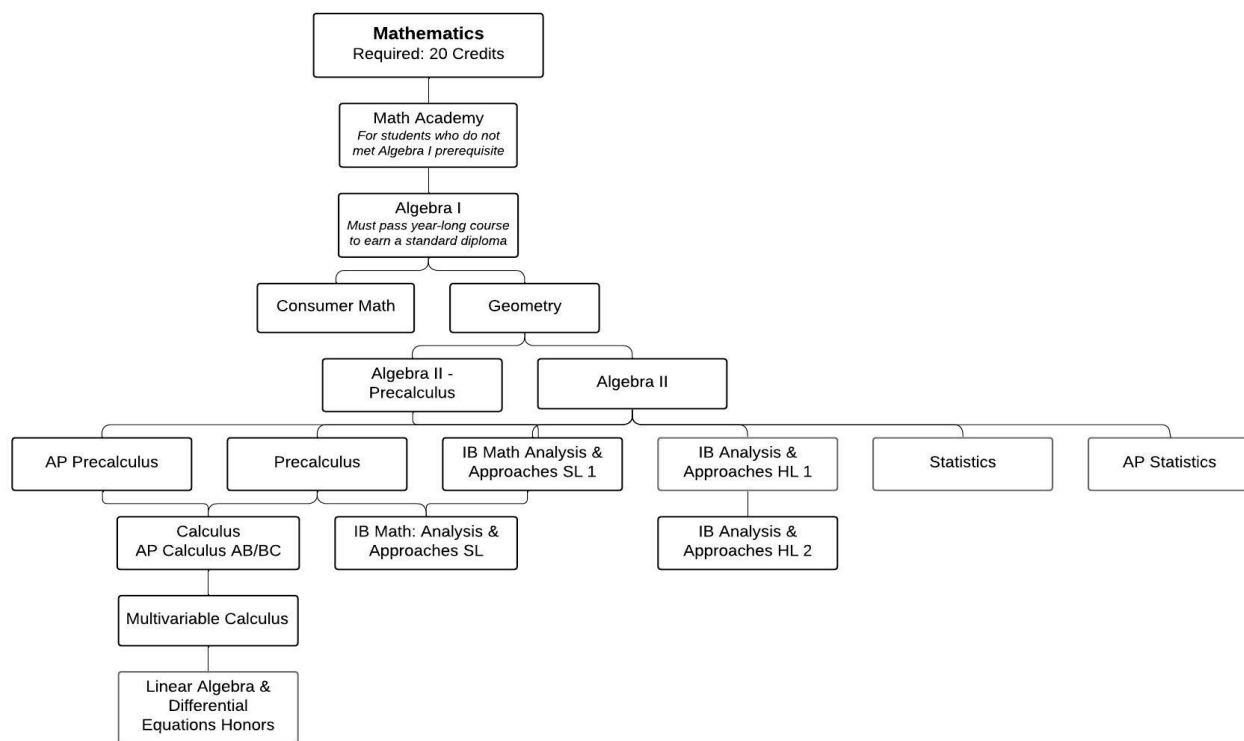
Prerequisite: Score of 1 or below on ELPAC or equivalent objective assessment; attending school in US less than 3 years

Description: This course is designed for novice English speakers new to the United States. A "Newcomer" is defined as a student who scores at Level 1 or Level 2 on the English Language Proficiency Assessments for California (ELPAC) and has been in the country for less than 3 years. Students will focus on developing fundamental English language skills, including listening, speaking, reading, and writing. Students will work toward the goal of mastering the California English Language Development (ELD) Standards, as well as making gains in the four domains of the ELPAC: reading, writing, speaking and listening. ELD Newcomer is an elective course that should be taken in addition to ELD English course or a mainstream English class, depending on a student's language proficiency.

MATHEMATICS DEPARTMENT

Granada students are required to complete 20 credits of math to graduate. All students must pass Algebra I in order to earn a standard high school diploma. Students who complete Algebra during middle school will need to enroll in higher level math courses during high school to fulfill graduation requirements.

MATHEMATICS SEQUENCE



ALGEBRA I A/B (P)

Course Codes: 20080/20090

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Description: This course is intended to give students access to experiences that will help them learn the big ideas in Algebra, and to demonstrate mastery of the inherent mathematical concepts. These concepts will include studies in linear, exponential, and quadratic functions, systems of linear equations and inequalities, and basic statistics. Students will learn concepts through a variety of activities and will have the opportunity to be assessed for mastery in a variety of ways.

ALGEBRA II A/B (P)

Course Codes: 20160/ 20170

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra I with a grade of "C" or higher; or teacher approval

Description: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include logarithmic, polynomial, rational, and radical functions in the Algebra II course. Students work closely with the expressions that define the functions, are facile with algebraic manipulations of expressions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. For the Algebra II course, instructional time will focus on four critical areas: (1) relate arithmetic of rational expressions to arithmetic of rational numbers; (2) expand understandings of functions and graphing to include trigonometric functions; (3) synthesize and generalize functions and extend understanding of exponential functions to logarithmic functions; and (4) relate data display and summary statistics to probability and explore a variety of data collection methods.

ALGEBRA II - PRECALCULUS ACCELERATED A/B (P)

Course Codes: 20182/20183

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Prerequisite: Algebra I, Geometry and teacher recommendation

Description: Upon completion of this course, students are prepared to take AP Calculus and other higher-level core algebra 2 standards with the common core (+) pre-calculus standards. Function concepts covered include polynomial, rational, exponential, logarithmic, and trigonometric functions along with transformation of functions using a parent function. Additional content covered includes conics, analytic trigonometry, complex number theory (DeMoivre's Theorem), introduction to vector theory, matrices and determinants, sequences, series, binomial theorem, counting principles, probability, and statistics. Finally, the course assignments will emphasize use of the "Eight Mathematical Practices". Students will make sense of problem situations, solve higher order thinking problems, derive key theorems, use technology where appropriate, work in groups to develop teamwork skills, and demonstrate procedural fluency in their responses.

CALCULUS A/B (P)

Course Codes: 20215/20216

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Precalculus with a grade of "C" or higher; or teacher approval

Description: This course is for students who have successfully completed Precalculus and do not wish to enroll in an AP-level course for exposure to Calculus. It will provide a review of functions including trigonometric, exponential, and logarithmic. An introduction to limits and continuity, difference quotients, the derivative, and the definite integral will be provided, as well as techniques and applications of differentiation and integration. This class offers continuity of the rigors of advanced math, as well as a more solid base from which to enter college-level Calculus.

AP CALCULUS AB A/B (P)

Course Codes: 20221/20222

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Precalculus with a grade of "C" or higher; or teacher approval

Description: This course teaches students to understand change geometrically, and visually (by studying graphs of curves), analytically (by studying working with mathematical formulas), numerically (seeing patterns in sets of numbers), and verbally. Upon completion of the course, students will be expected to take the AP Calculus AB Exam. This course is designed to provide students with an academic experience parallel to that of the college level.

AP CALCULUS BC A/B (P)

Course Codes: 20231/20232

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Precalculus with a grade of "C" or higher; or teacher approval

Description: This course teaches students to understand change geometrically and visually (by studying graphs of curves); analytically (by studying and working with mathematical formulas); numerically (seeing patterns in sets of numbers); and verbally. Upon completion of this course, students are expected to take the AP Calculus BC Exam. This course is designed to provide students with an academic experience parallel to that at the college level in a physical science/engineering Calculus course.

CONSUMER MATH A/B (P)

Course Codes: 20681/20691

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective Requirement

Prerequisite: Completion of Algebra I

Description: This course is designed to provide students with the ability to further develop their mathematical thinking through engaging in the real-world application of mathematics, focusing on everyday skills; such as budgeting money, calculating earnings, taxes, credit cards, loans, etc. Students will learn how to communicate ideas in a variety of settings, as well as employ problem-solving skills effectively. They will demonstrate critical thinking skills, participate in hands-on projects, and expand their mathematical skill set.

GEOMETRY A/B (P)

Course Codes: 20120/20130

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra I with a grade of "C" or higher; or teacher approval

Description: Geometry introduces geometric reasoning with an emphasis on deductive reasoning, algebraic algorithms, logic, problem-solving techniques, and writing proofs. Topics include: angles, triangles, polygons, parallel lines and planes, congruence and similarity, right triangles, circles, coordinate geometry, areas of polygons and circles, surface areas and volumes of solids, transformations, constructions, various types of proofs (two column, flow chart, paragraph, indirect), and probability.

LINEAR ALGEBRA & DIFFERENTIAL EQUATIONS HONORS

Paired with Multivariable Calculus - must sign up for both

Pending Board/UC Approval

Course Code: 20238

Grade Level: 11-12

Length: 1 Semester (5 credits)

College: Pending Honors UC/CSU "c" Mathematics Requirement

Prerequisite: "C" or better in AP Calculus BC and Multivariable Calculus

Corequisite: Multivariable Calculus

Description: Linear Algebra and Differential Equations is a second year university level calculus course. It is designed to have the student gain further knowledge of systems of equations, including those involving differential equations. Many modern fields of data science require linear algebra in order for job-seekers to be successful, and differential equations play a crucial role in engineering, physics, economics, providing a framework for modeling the dynamics of various systems. This course will prepare learners for critical thinking and solving skills used in the applications and examples of the topics above.

MATH ACADEMY A/B

Course Codes: 20025/20026

Grade Level: 9-12

Length: 2 Semesters (10 credits)

Description: This course provides students with formal assessments to identify skills needed to master and meet Algebra I prerequisites. Prerequisite units include rational numbers, variable expressions, solving linear equations, percents and ratios, rate word problems, graphing in the coordinate plane, square roots, statistics, probability, and geometry. Units are standards-based and designed to meet the needs of individual students. Students will demonstrate mastery in each unit prior to moving on to Algebra I. A maximum of 10 credits of Mathematics credit will be given. The course may be repeated for elective credit.

IB MATHEMATICS: ANALYSIS AND APPROACHES HL 1 A/B (P)

Year one of a two year course sequence

Course Codes: 20241/20242

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra II with a grade of "C" or higher; or teacher approval

Description: International Baccalaureate (IB) Mathematics (Math) Analysis and Approaches Higher Level (HL) 1 is the first year of a 2-year HL course sequence, in which students will focus on developing important mathematical concepts in a comprehensible, coherent, and rigorous way. Core topics of study include numbers and algebra, functions, geometry and trigonometry, and statistics and probability. The coursework includes an Internal Assessment Project, the Mathematical Exploration, which gives students an opportunity to independently investigate real-world mathematical problems and seek solutions in a process of mathematical investigation or modeling.

IB MATHEMATICS: ANALYSIS AND APPROACHES HL 2 A/B (P)

Year two of a two year course sequence

Course Codes: 20243/20244

Grade Level: 12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Passing grade in IB Mathematics Analysis and Approaches HL 1; or completion of Precalculus or AP Calculus

Description: International Baccalaureate (IB) Mathematics (Math) Analysis and Approaches Higher Level (HL) 2 is the second year of the HL course sequence and focuses on developing important mathematical concepts in a comprehensible, coherent, and rigorous way. Students are encouraged to apply their mathematical knowledge to solve problems set in a variety of meaningful contexts. Development of each topic should feature justification and proof of results. Students embarking on this course should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas, and to develop the skills needed to continue their mathematical growth in other learning environments. Core topics of study include vectors, calculus, and an Internal Assessment Project, the Mathematical Exploration, which gives students an opportunity to independently investigate real-world mathematical problems and seek solutions in a process of mathematical investigation or modeling. The course will cover all of the topics required for the IB Mathematics exam to be taken in May of 12th grade.

IB MATHEMATICS: ANALYSIS AND APPROACHES SL 1 A/B (P)

Year one of a two year course sequence

Course Codes: 20245/20246

Grade Level: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra II with a grade of "C" or higher; or teacher approval

Description: IB Mathematics Analysis and Approaches SL 1 focuses on developing important mathematical concepts in a comprehensible, coherent and rigorous way. Core topics of study include numbers and algebra, functions, geometry and trigonometry, statistics, and probability. The coursework includes an Internal Assessment Project, the Mathematical Exploration, which gives students an opportunity to independently investigate real-world mathematical problems and seek solutions in a process of mathematical investigation or modeling.

IB MATHEMATICS: ANALYSIS AND APPROACHES SL A/B (P)

Year two of a two year course sequence

Course Codes: 20261/20262

Grade Level: 12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Successful completion of IB Mathematics Analysis and Approaches SL 1; or completion of Precalculus

Description: IB Mathematics Analysis and Approaches Standard Level (SL) is the second year of a two-year course series designed for students who have strong abilities and solid background in mathematics and are interested in a career as an engineer, mathematician, research scientist, architect, medical doctor or economist. Throughout the IB Mathematics (Math) Analysis and Approaches SL course, students will focus on developing important mathematical concepts in a comprehensible, coherent and rigorous way. Students are encouraged to apply their mathematical knowledge to solve problems set in a variety of meaningful contexts. Development of each topic should feature justification and proof of results. Students embarking on this course should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas, and to develop the skills needed to continue their mathematical growth in other learning environments. Core topics of study include all topics covered in SL 1 and calculus, sets, relations and groups, and discrete mathematics. The coursework includes an Internal Assessment Project, the Mathematical Exploration, which gives students an opportunity to independently investigate real-world mathematical problems and seek solutions in a process of mathematical investigation or modeling. Upon completion of the two-year course series, students will be prepared for mathematical work at the university level. The course will cover all of the topics required for the IB Mathematics exam to be taken in May of 12th grade.

MULTIVARIABLE CALCULUS (P)

Paired with Linear Algebra & Differential Equations Honors - must sign up for both

Course Code: 20218

Grade Level: 11-12

Length: 1 Semester (5 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Calculus course with a grade of "C" or higher; or teacher approval

Corequisite: Linear Algebra & Differential Equations Honors A/B

Description: Multivariable Calculus is a second year university level calculus course. It is the calculus of functions of several variables. This course begins with the study of the basic objects of multidimensional geometry: vectors and vector operations, various coordinate systems, and the elementary differential geometry of vector functions and space curves. It then extends the tools of differential and integral calculus to multidimensional problems. The next part of the course is dedicated to line and surface integrals. Finally, the course concludes with various extensions of the Fundamental Theorem of Calculus to multidimensional integrals and applications to vector fields.

PRECALCULUS A/B (P)

Course Codes: 20200/20210

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra II with a grade of "C" or higher

Description: This course provides a thorough study of the trigonometric functions (inverse and applications), advanced algebraic expressions, equations, inequalities, matrices, conics (with translations), complete analysis of polynomial, rational, logarithmic, and exponential functions including graphics calculator applications, vectors, polar coordinates, sequences, series, summation, and a brief introduction to complex numbers and limits. Graphing calculators will be used in conjunction with the curriculum.

AP PRECALCULUS A/B (P)

Course Codes: 20212/20213

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra II with a grade of "C" or higher; or teacher approval

Description: AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. This course framework delineates content and skills common to college PreCalculus courses that are fundamental for careers in mathematics, physics, biology, health science, social science and data science.

STATISTICS A/B (P)

Course Codes: 20255/20256

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra II with a grade of "C" or higher; or teacher approval

Description: Students will be introduced to the study of statistics in a wide variety of areas. Topics discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis tests with applications in the real world. This course covers the four themes of introductory statistics: producing data, analyzing data, probability, and inference. Students will develop a basic understanding of statistics that will prepare them to solve problems that involve collecting and analyzing meaningful data. This includes the study of measures of central tendency, measures of variation, graphical representation of data, least squares regression, correlation, probability distributions, sampling techniques, parameter estimation, and hypothesis testing. Technology and statistical literacy will be integrated throughout the course.

AP STATISTICS A/B (P)

Course Code: 20260/20270

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "c" Mathematics Requirement

Prerequisite: Completion of Algebra II with "C" or higher; or teacher approval

Description: This course will introduce students to the major concepts and tools for collecting and analyzing data, and drawing conclusions. There are four conceptual themes in the course: exploring data, planning a study, anticipating patterns and statistical inference. Students will learn to use graphical and numerical techniques to study univariate and bivariate data; conduct surveys and experiments to collect data; use probabilities and distributions to study data; and employ confidence intervals, t-distributions, and tests of significance to study statistical models. This course is designed to provide students with an academic experience parallel to that of the college level.

PHYSICAL EDUCATION DEPARTMENT

The Physical Education program at Granada High School strives to develop physical and sports skills along with instilling the desire to use those skills for recreation and leisure as a student and as an adult. Students are required to complete two years of Physical Education in order to graduate.

PHYSICAL EDUCATION

PHYSICAL EDUCATION 1 A/B

Course Codes: 20810/20820

Length: 2 Semesters (10 credits)

Grade Level: 9

Description: The Physical Education program at the freshman level emphasizes fitness, team sports, dance and aquatics. Students will learn how to develop their own weight and fitness programs and experience different activities learning beginning to intermediate skills, game strategies and sportsmanship. Students will also learn basic water safety skills and will become more proficient in their swimming abilities.

PHYSICAL EDUCATION 2 A/B

Course Codes: 20830/20840

Grade Level: 10-12

Length: 2 Semesters (10 credits)

Prerequisite: Completion of PE 1 A/B

Description: PE 2A/B is designed to introduce students to a variety of sports and physical activities. Each activity will expand upon the foundation provided in the 9th grade curriculum for making appropriate choices for physical wellness and fitness. The purpose is to learn the principles and values of lifetime fitness by participating in physical activities. Participation in these activities will result in a better understanding of lifelong fitness. Students are expected to learn more advanced skills and strategies and demonstrate them in game situations.

ELECTIVES

Students who register for a single semester course must also register for another single semester course - refer to course descriptions for length of course

PE AEROBICS/YOGA

Course Code: 21010

Grade Level: 10-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of PE 2

Description: Aerobics is a one-semester elective course in which students exercise to music and video aids. Activities include low-impact aerobic dance, aerobic kickboxing, yoga, Pilates and body sculpting.

PE BASEBALL/SOFTBALL

Course Code: 23011

Grade Level: 10-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of PE 1

Description: In this course, students will learn the fundamental skills of baseball and softball. Students will strengthen their understanding of the games and apply their knowledge of baseball and softball as they perform skills on the field.

BIKING FOR FITNESS

Course Code: 20833

Grade Level: 10-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of PE 1 with a grade of "B-" or higher; or teacher approval

Description: This course is designed to give students the opportunity to continue learning through a comprehensive sequentially planned kinesiology and physical education program, in accordance with the California Model Content Standards for Physical Education. This course will build upon the standards in PE Courses 1 A/B and is designed as an elective PE class for students interested in biking, bike safety and bike maintenance, which are physical activities in which students can enjoy and participate in for a lifetime.

CIF GRADE 10 SPORT EXEMPT

Course Codes: 21000

Grade Level: 10

Prerequisite: Completion of PE 1 with a grade of "C" or higher; participation in a CIF sport in 10th grade and completed CA Fitnessgram

Description: This exemption provides student athletes in 10th grade the option of earning PE credit for their active participation in a CIF approved sport. Students may earn a maximum of 10 credits of credit through this exemption. Class is pass/fail. Students who register for the PE exemption and do not participate in sport during 10th grade will be required to take PE 2 A/B during 11th or 12th grade.

FITNESS/BOWLING

Course Code: 20960

Grade Level: 11-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of PE 2

Description: Individualized health and fitness programs will be developed to improve strength, body tone, flexibility and cardiovascular wellbeing. Students will also learn bowling skills and participate in league play. This class includes meetings off-campus three days a week at Granada Bowl. Students are responsible for transportation to/from the bowling alley.

PE FOOTBALL

Course Code: 21013

Grade Level: 10-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of PE 1

Description: In this football course, students will learn the passing game from both an offensive and defensive perspective. It will include a variety of offensive and defensive skills, strategies, techniques, and related football concepts.

HUMAN PERFORMANCE

Course Codes: 20827/20829

Grade Level: 9-12

Length: 1 Semester (5 credits)

Description: This class is designed to provide an opportunity during the school day for athletes to participate in a structured strength and athletic enhancement program. This class is geared toward the student who shows an above average interest and ability in physical education through participation on an athletic team. Please note this is a weight lifting and strength based class. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Course may be repeated for additional credits.

PRINCIPLES OF DANCE A/B (P)

Course Codes: 20836/20837

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective

Prerequisite: Completion of PE 1 with a grade of "C" or higher

Description: In the *Principles of Dance A/B* course, students are provided the opportunity to refine their technical skills in various dance styles, including ballet, contemporary, folk, jazz, hip-hop, and cultural dances. Students will develop and execute complex choreographic works both individually and collaboratively, while exploring the artistic process through improvisation, composition, and thematic development. They will analyze and critique performances with a focus on technical, artistic, and cultural elements while studying the historical and cultural significance of dance as a form of communication and expression. Public performances will serve as a platform for students to enhance their stage presence and professionalism, preparing them for further pursuits in the performing arts.

PE VOLLEYBALL/FITNESS

Course Code: 20941

Grade Level: 9-12

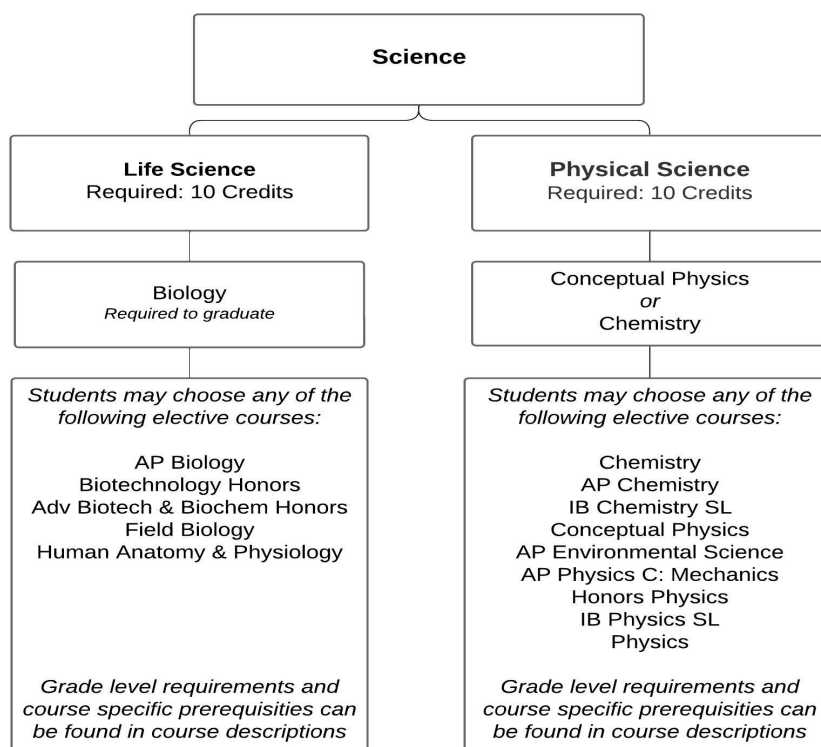
Length: 1 Semester (5 credits)

Description: This course is designed to give students the opportunity to learn through a comprehensive, sequentially planned kinesiology and physical education program, in accordance with the California Model Content Standards for Physical Education. This course will build upon the standards in PE Courses 1 and 2, and is designed as an elective PE class for students interested in the sports of volleyball and lifelong fitness.

SCIENCE DEPARTMENT

An understanding of the process and content of science and consideration of the ethical issues associated with technology are important aspects of the basic education of all students. Students are required to complete 10 credits of Life Science and 10 credits of Physical Science in order to earn a standard high school diploma.

SCIENCE



LIFE SCIENCE

BIOLOGY A/B (P)

Course Codes: 30070/30080

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Lab Science Requirement

Prerequisite: Completion of, or concurrent enrollment in Algebra I

Description: Biology is a rigorous, lab-oriented course that prepares students for college biology. Topics include evolution, genetics, reproduction, cells, ecology and biotechnology.

AP BIOLOGY A/B (P)

Course Codes: 30330/30340

Length: 2 Semesters (10 credits)

Grade Level: 11-12

College: Honors UC/CSU "d" Lab Science Requirement

Prerequisite: Completion of Biology and Chemistry with a grade of "C" or higher, or consent of instructor

Description: The Advanced Placement Biology course is subdivided into three major categories: Molecules and Cells, Heredity and Evolution, and Organisms and Populations. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation for science as a process. This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year.

BIOTECHNOLOGY HONORS A/B (P)

Course Codes: 30061/30062

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "d" Lab Science Requirement

College Credit: Students earning a grade of "B" or higher can receive college credit at Ohlone College for Biot 105 (4 units)

Prerequisite: Completion of Algebra I and Biology with a grade of "C" or higher

Description: Biotechnology Honors A/B is a rapidly growing field that impacts all our lives and involves the manipulation of organisms or their parts, especially DNA and protein, to produce a product. From medicine to agriculture to environmental science, biotechnology has revolutionized biology. This skills-based course will teach the Standard Lab Operating Procedures (SLOP) that every lab worker must master. SLOP includes safety, documentation, experimental design, data analysis and reporting; solution preparation, sterile technique, cell culture, DNA isolation and analysis, and protein isolation and analysis. In addition to the laboratory skills needed in this expanding job field, students will also be exploring the ethics of the technology.

BIOCHEMISTRY HONORS A/B (P)

Course Codes: 30067/30068

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "d" Lab Science Requirement

College Credit: Students earning a grade of "B" or higher can receive college credit at Ohlone College for Chem 109 (4 units)

Prerequisite: Grade of "C" or higher in Chemistry, Biotechnology and Algebra I

Description: Biochemistry Honors A/B is a lab-based course that builds on previous Biotechnology and Chemistry courses. The course is designed for students interested in college life science majors and builds upon students' knowledge of general chemistry, molecular biology, and laboratory research methods. This course offers students an understanding of the basic principles of biochemistry, expanding upon the basic concepts of organic chemistry and biochemistry. Students will learn more advanced biotechnology and bioinformatics techniques and apply them to problems in various fields such as forensics, medicine, and agriculture. Students will gain confidence in studying a scientific discipline that might initially appear intimidating and acquire an appreciation for biochemistry and molecular biology and the many career opportunities in this area of study.

FIELD BIOLOGY A/B (P)

Course Codes: 30210/30220

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Lab Science Requirement

Prerequisite: Completion of, or concurrent enrollment in Algebra I; Completion of Biology with grade of "C" or higher

Description: Field Biology was developed for students with an interest in studying the native animals and plants of California through the use of field guides, preserved specimens, personal collections, and actual field studies. Students taking Field Biology are expected to have a high level of motivation for using keys to identify marine invertebrates, fish, marine mammals, land mammals, birds, insects, and native trees and shrubs. Principles of ecology and conservation are also emphasized. Students must learn scientific names and be able to classify organisms at all levels of the taxonomic system (kingdom through species).

HUMAN ANATOMY AND PHYSIOLOGY A/B (P)

Course Codes: 30106/30107

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Lab Science Requirement

College Credit: Students earning a grade of "B" or higher can receive college credit at Ohlone College for Biol 104 (4 units)

Prerequisite: Completion of Biology with a C or better and completion of Chemistry with a C or better

Description: Human Anatomy and Physiology A/B is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. The curriculum provides a basis for students to develop a strong conceptual understanding of the following human body systems: integumentary, skeletal, muscular, nervous, digestive, cardiovascular, respiratory, urinary, lymphatic, immune and reproductive. Students have the opportunity to integrate that knowledge through laboratory investigations, hands-on activities, technology-based simulations and research, current articles, as well as projects and presentations. This course is designed for college preparation, especially for biology and health career-oriented majors.

PHYSICAL SCIENCE

ASTRONOMY A/B (P)

Course Codes: 83085/83086

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Lab Science Requirement

Prerequisite: Completion of Geometry with a grade of "C" or higher or consent of instructor

Description: This course provides students an avenue to explore humankind's understanding of the cosmos and the astronomical literacy needed to appreciate the latest discoveries and theories about various phenomena in our Universe. Students will learn how fusion processes work in stars; how a black hole, two million times as massive as the Sun, was discovered in the center of our galaxy; how astronomers discover worlds around other stars; and how astronomers have determined that most of the matter in the Universe is not only invisible, but its nature is completely unknown. While exploring the nature of the Universe, students gain insight into how astronomical knowledge is obtained through observation, mathematics, and reason.

CHEMISTRY A/B (P)

Course Codes: 30150/30160

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Lab Science Requirement

Prerequisite: Completion of Algebra I with a grade of "C" or higher

Description: Chemistry is a college preparatory laboratory science course grounded in guided inquiry. Core principles such as matter, atomic structure and models, bonding, phase changes, reactions, kinetics, thermodynamics, energy, equilibrium, oxidation-reduction, and acid-base chemistry will be covered. Throughout the course, students will strengthen problem-solving skills through hands-on laboratory activities.

AP CHEMISTRY A/B (P)

Course Codes: 30170/30180

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "d" Lab Science Requirement

Prerequisite: Completion of Chemistry and Algebra II with a grade of "C" or higher

Description: AP Chemistry is a highly lab-oriented course that is the equivalent of a college introductory chemistry course. Topics include structure and states of matter; reactions, stoichiometry, equilibrium, kinetics, thermodynamics and electrochemistry. The course also requires a rigorous schedule of laboratory work and practice with chemical calculations. The course is recommended for students planning to major in science in college.

CONCEPTUAL PHYSICS A/B (P)

Course Codes: 30130/30140

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Laboratory Science Requirement

Prerequisite: Completion of, or concurrent enrollment in, Algebra I

Description: In this course, students will explore topics including: motion and its causes, conservation laws, periodic motion, thermodynamics and heat theory, electricity, magnetism and electromagnetic radiation, light and optics, modern physics including fundamental particles, energy, and waves, with the use of introductory algebra skills.

AP ENVIRONMENTAL SCIENCE A/B (P)

Course Codes: 30511/30521

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "d" Laboratory Science Requirement

Prerequisite: Completion of Algebra I; Completion of one biological and one physical lab with a grade of "C" or higher

Description: This course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

PHYSICS A/B (P)

Course Codes: 30250/30260

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "d" Laboratory Science Requirement

Prerequisite: Completion of Geometry

Description: Physics is a college-prep level laboratory course dealing with concepts and relationships involving mechanics (motion, force, energy, momentum, circular motion, and gravitation), waves (including sound and light), electricity and magnetism, and astrophysics. Emphasis is on laboratory investigations and problem solving.

This course is recommended for any college-prep level student.

AP PHYSICS C: MECHANICS A/B (P)

Course Codes: 30265/30266

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "d" Laboratory Science Requirement

Prerequisite: Completion of Physics with a grade of "C" or higher; completion of, or concurrent enrollment in, AP Calculus

Description: This is a college-level, lab-oriented, calculus-based physics course for students interested in college physical science or engineering majors. This course will provide instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. This course will also include a hands-on laboratory component comparable to a semester-long introductory college-level physics laboratory.

HONORS PHYSICS A/B (P)

Course Codes: 30262/30263

Grade Level: 10-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "d" Laboratory Science Requirement

Prerequisite: Completion of Algebra II and Biology or Chemistry

Description: Honors Physics is a college-prep level laboratory course dealing with concepts and mathematical relationships involving mechanics (motion, force, energy, momentum, circular motion, and gravitation), waves (including sound and light), electricity and magnetism, thermodynamics, and nuclear physics. Laboratory investigations and problem solving are emphasized. Teaching centers on inquiry and modeling, along with mathematical applications of physics laws. This course is recommended for students who plan to major in the sciences, mathematics, or engineering or any college-prep student who has an interest in how the world works.

IB PHYSICS SL A/B (P)

Course Codes: 30287/30288

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "d" Laboratory Science Requirement

Prerequisite: Completion of, or concurrent enrollment in, Precalculus or higher math course

Description: IB Physics SL is a year-long equivalent course covering the concepts and relationships involving mechanics (motion, force, energy, and momentum), thermal physics, waves, electricity & magnetism, circular motion & gravitation, atomic & nuclear physics, energy production, and astrophysics. These main principles of physics will be covered in-depth and will emphasize problem-solving and laboratory skills. IB assessment Labs will be evaluated according to the IB assessment standards and students will be required to complete the Group 4 Project as outlined in the syllabus.

SOCIAL SCIENCE DEPARTMENT

The Social Science Program includes courses that are designed to contribute directly to the development of good citizenship and to an understanding of how historical events shape the world of today and the future. Students are required to take a minimum of 35 credits in History/Social Science in order to graduate.

SOCIAL SCIENCE

9th Grade Required: 5 Credits	10th Grade Required: 10 Credits	11th Grade Required: 10 Credits	12th Grade Required: 10 Credits	Electives
Choose the following semester course: Social Science 9 A -OR- Choose one of the following yearlong courses: Social Science 9 Honors AP Human Geography	Choose one of the following yearlong courses: World History World History Honors AP European History	Choose one of the following yearlong courses: US History AP US History IB History of Americas HL 1	Choose one of the following courses for Civics: Civics AP Government and Politics IB History of Americas HL2 -AND- Choose one of the following courses for Economics: Economics AP Macroeconomics AP Microeconomics	American Hist Media, Movies, Music Ethnic Studies: America's Social Change Intro to Sociology AP Macroeconomics AP Microeconomics Positive Psychology AP Psychology Sports in Society Sports Psychology IB Theory of Knowledge Women in American History Grade level requirements and course prerequisites can be found in course descriptions

CIVICS (P)

Course Code: 15070

Grade Level: 12

Length: 1 Semesters (5 credits)

College: UC/CSU "a" History/Social Science Requirement

Description: This course is required for all seniors and follows the California State Content Standards for History/Social Science for grade twelve "Principles of American Democracy." Students in grade twelve pursue a deeper understanding of the institutions of American government. They compare systems of government in the world today and analyze the life and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive and judiciary branches of government. An emphasis is placed on analyzing the relationship among federal, state and local governments, with particular attention paid to important historical documents such as *The Federalist*. These standards represent the culmination of civil literacy as students prepare to vote, participate in community activities and assume the responsibilities of citizenship. Reading requirements include newspapers and periodicals related to current civil issues.

ECONOMICS (P)

Course Code: 15080

Grade Level: 12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective Requirement

Description: Students will master fundamental economic concepts, applying the tools (graphs, statistics, equations) from other subject areas to the understanding of operations and institutions of economic systems. This course follows the California State Content Standards for History/Social Science. Students analyze the elements of the United States market economy in a global setting, the influence of the U.S. government on the American economy and the elements of the United States labor market. Students explore the principles of micro and macroeconomics, international economics, comparative economic systems, measurements and methods. Reading requirements include newspapers and periodicals related to current economic and business activities. The writing requirement includes a creative writing project and presentation.

AP EUROPEAN HISTORY A/B (P)

Course Codes: 15145/15155

Grade Level: 10

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "a" History/Social Science Requirement

Prerequisite: Completion of Social Science with a grade of "C" or higher; or teacher approval

Description: AP European History introduces students to European history since AD 1300, emphasizing the cultural, economic, political, and social developments that played a fundamental role in shaping the world in which we live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop: (a) an understanding of some of the principal themes in modern European history; (b) the ability to analyze historical evidence and historical interpretation; and (c) the ability to express historical understanding in writing. Upon completion of the course, students will be prepared to take the AP European History Exam. Students will develop the following history reasoning skills throughout the class: contextualization, comparison, causation, continuity, and change over time.

IB HISTORY OF THE AMERICAS HL 1 A/B (P)

Year one of a two year course sequence

Course Codes: 15175/15176

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "a" History/Social Science Requirement

Prerequisite: Completion of World History with a "B" or higher or completion of World History Honors or AP European History with a "C" or higher

Description: Refer to IB History of the Americas HL 2 for course description.

IB HISTORY OF THE AMERICAS HL 2 A/B (P)

Year two of a two year course sequence

Course Codes: 15177/15178

Grade Level: 12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "a" History/Social Science Requirement

Prerequisite: Completion of IB HOA HL 1 with a "C-" or higher

Description: IB History of the Americas HL 2 is the second course in a two-year program of advanced history studies. It combines a study of the history of the United States with a specific focus on key topics in Latin American history and international perspectives on significant events involving countries of the Americas. Major emphasis is placed on extensive reading and writing and primary sources.

AP HUMAN GEOGRAPHY A/B (P)

Course Codes: 15115/15116

Grade Level: 9

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "a" History/Social Science Requirement

Description: The Advanced Placement (AP) Human Geography course is an advanced course in which students focus on the distribution, processes, and effects of human populations on the planet. Students follow the AP curriculum, studying seven major units and covering these topics: population, migration, culture, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Students participate in discussions of current topics facing human populations and engage in a variety of hands-on learning activities, including small projects that help them gain a sense of the effects humans have on the planet. They will also complete short constructed response writing assignments.

AP MACROECONOMICS (P)

Course Code: 15255

Grade Level: 12

Length: 1 Semester (5 credits)

College: Honors UC/CSU "g" Elective Requirement

Prerequisite: Completion of Algebra I with a grade of "B" or higher; or teacher approval

Description: Throughout this course, students will analyze the operation of economics principles across the national economy by examining such measures as employment rates, inflation, government spending, taxes, and output. Students will learn to identify trends in the U.S. economy and develop and analyze government policy responses. This course is designed to provide students with an academic experience equivalent to that of an introductory, college-level macroeconomics course.

AP MICROECONOMICS (P)

Course Code: 15256

Grade Level: 12

Length: 1 Semester (5 credits)

College: Honors UC/CSU "g" Elective Requirement

Prerequisite: Completion of Algebra I with a grade of "B" or higher; or teacher approval

Description: This course is designed to engage students in exploring how patterns in economic behavior help predict the way both businesses and consumers react under different economic conditions. Students also focus on the nature and function of markets, the role of scarcity and competition, and the effect of economic influences on decision making. After completing the course, students will be prepared to take the Advanced Placement (AP) Microeconomics exam. This course is designed to provide students with an academic experience equivalent to that of an introductory, college-level microeconomics course.

SOCIAL SCIENCE 9 A (P)

Course Code: 15010

Grade Level: 9

Length: 1 Semester (5 credits)

College: UC/CSU "a" History/Social Science Requirement

Description: Social Science 9 is required for all ninth grade students. The *National Geography Content Standards* provide a foundation for study of the physical, economic, political and cultural characteristics of areas in Latin America, Russia and Eastern Europe, the Middle East, Africa and Asia. Topics include comparisons of developed and underdeveloped areas in these geographical regions and analyzing instances of modern nation building. This course provides students with opportunities to explore human behavior through the study of the individual, groups and cultures. Reading to understand and making connections between geographic themes are essential components in this course. Students demonstrate their knowledge through written and oral reports, essays, projects and research papers using technology. Students begin a sequential reading and writing program that is articulated throughout the Social Science program.

SOCIAL SCIENCE HONORS A/B (P)

Course Codes: 15100/15110

Grade Level: 9

Length: 2 Semesters (10 credits)

College: UC/CSU "a" History/Social Science Requirement

Description: This course focuses on the same themes as the regular course and it fulfills the 5-unit freshman requirement and provides 5 credits of elective credit. It is designed for the serious student with advanced thinking, reading and writing skills. The *National Geography Content Standards* provide a foundation for students of the physical, economic, and political and cultural characteristics of areas in Latin America, Russia and Eastern Europe, the Middle East, African and Asia. Topics include comparisons of developed and underdeveloped areas in these geographical regions and analyzing instances of modern nation building. Students are provided with opportunities to explore human behavior through the students of the individual, groups and cultures. Reading to understand and making connections between geographic themes are essential components in this course. Students demonstrate their knowledge through written and oral reports, essays, projects and research papers using technology. Also required is a major research paper and extensive writing.

US HISTORY A/B (P)

Course Codes: 15050/15060

Grade Level: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "a" History/Social Science Requirement

Description: This required course for students in grade eleven follows the California State Content Standards for History/Social Science. Students study the major turning points in American history in the 20th Century. Topics include technology and a corporate economy, the change in the ethnic composition of American society, the movement toward equal rights, the role of the United States as a major world power, the expanding role of the federal government and federal court, and the continuing tension between the individual and the state. Students consider the major social problems of our time and trace their causes in historical events. Students experience a wide variety of "hands-on" and active learning strategies. Writing requirements include a persuasive essay and a research paper.

AP US HISTORY A/B (P)

Course Codes: 15160/15170

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "a" History/Social Science Requirement

Prerequisite: Completion of previous Social Science courses with a "B" or higher; or teacher approval

Description: The AP United States History course is designed to provide students with the historical thinking skills necessary to analyze concepts and themes within United States History beginning in the theoretical 1491 (prior to European conquest) to the present. The course prepares students for success in the AP US History exam and college courses as it introduces students to the analytical and research skills used in History courses at the college level. Specific events in United States history are used to support the instruction of concepts and themes according to the mandated course objectives provided by the College Board.

AP US GOVERNMENT AND POLITICS (P)

Course Code: 15090

Grade Level: 12

Length: 1 Semester (5 credits)

College: Honors UC/CSU "a" History/Social Science Requirements

Prerequisite: Completion of United States History with a "C" or higher; or teacher approval

Description: The Advanced Placement (AP) United States Government and Politics course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States (U.S.). Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

WORLD HISTORY A/B (P)

Course Codes: 15030/15040

Grade Level: 10

Length: 2 Semesters (10 credits)

College: UC/CSU "a" History/Social Science Requirement

Description: This course is required for all tenth grade students and follows the California State Content Standards for History/Social Science. Students trace the rise of democratic ideas and the historical roots of current world issues as they pertain to international relations. Emphasis is placed on western civilizations as the source of American political institutions, laws and ideology. Students build timelines, world maps, journals and essays as they research people and events. Activities include oral presentation, collaborative research and historical interpretation, reading literature from and about the period being studied, and writing a research paper.

WORLD HISTORY HONORS A/B (P)

Course Codes: 15120/15130

Grade Level: 10

Length: 2 Semesters (10 credits)

College: UC/CSU "a" History/Social Science Requirement

Prerequisite: Teacher recommendation and/or placement exam

Description: This course is designed for the serious student and focuses on higher level thinking and writing skills and emphasizes class discussions and daily oral participation. It follows the California State Content Standards for History/Social Science. Honor students trace the rise of democratic ideas and the historical roots of current world issues as they pertain to international relations. Emphasis is placed on western civilizations as the source of American political institutions, laws and ideology. The course is designed to provide students with the analytic skills and factual knowledge necessary to deal with the problems and issues in World History. The text and many advanced placement research exercises are supplemented with outside reading. Writing includes a formal research paper and testing in an essay format.

ELECTIVES

Students who register for a single semester course must also register for another single semester course - refer to course descriptions for length of course

AMERICAN HISTORY THROUGH MEDIA, MOVIES, AND MUSIC

Course Code: 15135

Grade Level: 11-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of US History with a "C" or higher; or concurrent enrollment in US History

Description: The American History Through Media, Movies, and Music elective course will investigate American History through the comparison of literature and cinema. Students will read a variety of texts including historical articles and primary sources documents. Students will be exposed to historical events and people not covered in the required American History course. In addition, this course will re-emphasize skills and content in accordance with the History/Social Science State Standards. Students will also perform tasks and develop skills that are aligned to the English/Language Arts State Standards. Areas of interest will include early Colonial and American Revolutionary Times, the Civil War, the West, the Expansion of Our New Nation (including California), Native Americans, Late 19th and Early 20th Centuries, the 1920's/Prohibition, the Great Depression, World War II, the 1950's and 60's, the Cold War and Communism, Civil Rights, Vietnam, and Current Events.

ETHNIC STUDIES: AMERICA'S SOCIAL CHANGE (P)

Course Code: 15390

Grade Level: 10-12

Length: 1 Semester (5 credits)

College: UC/CSU "a" History/Social Science Requirement

Description: This course is a Social Science elective that will examine the origins, nature, challenges and achievements of civil rights and social movements in America after 1945. Causes of some of these movements may be pre-1945. These movements represented the attempts to achieve equality for groups that were not recognized or accepted as full members of society, and they challenged established authority and attitudes. Major emphasis will be placed on extensive reading, writing, and primary sources.

INTRODUCTION TO SOCIOLOGY (P)

Course Code: 15450

Grade Level: 10-12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective Requirement

Description: This course focuses on the systematic understanding of social interaction, social organization, social institutions, and social change. The two major theories in sociology examined throughout this course include (1) social organization and (2) social change and disorganization. Theories examined through research and discussion of the following topic areas: differences, relationships, and movement. Students will study theories of race and ethnicity, social and cultural expectations, class, families, education, and crime. Additionally, the analysis of movement through migration, urbanization, and social change are critical components of this course. Deep investigation of the theories of sociology requires students to discover and explain social patterns and how these patterns change over time and in different settings. This course will further develop students' critical thinking by revealing the social structure and processes that shape our diverse world. Students will engage in investigation and problem solving and be able to answer the following questions: How and why do people group together? How do we form identity? What circumstances support group or individual behaviors? How has policy shifted in response to the ways people group? This process requires students to select problems or trends to analyze utilizing qualitative methods, such as interviews and observation. After completing this course, students will be prepared to enroll and succeed in college-level sociology courses.

IB THEORY OF KNOWLEDGE A/B (P)

Course Code: 15490/15491

Grade Level: 11-12

Length: 2 Semesters (10 credits) *TOK A taken in 11th grade; TOK B taken in 12th grade*

College: Honors UC/CSU "g" Elective Requirement

Description: The TOK course provides students with an opportunity to explore and reflect on the nature of knowledge and the process of knowing. It is a required core element of the IB Diploma Programme. In TOK, students reflect on the knowledge, beliefs and opinions that they have built up from their years of academic studies and their lives outside the classroom. The course is intended to be challenging and thought-provoking, as well as empowering, for students.

POSITIVE PSYCHOLOGY (P)

Course Code: 15235

Grade Level: 9-12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective Requirement

Description: Positive Psychology is the scientific study of human happiness, well-being, and strength of character. The following topics will be covered: defining and measuring happiness; interpreting beliefs; developing healthy self-esteem; mindfulness, focus, and appreciation; learned optimism; intrinsic versus extrinsic motivation; resilience and post-traumatic growth; perfectionism; creativity; setting goals and forming positive habits; and social support structures and healthy relationships. Students will engage in detailed analysis of these concepts and gain an understanding of the research behind them.

AP PSYCHOLOGY A/B (P)

Course Codes: 15245/15246

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "g" Elective Requirement

Description: This course will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They will also learn about the methods psychologists use in their science and practice. This course will give students an academic experience parallel to that of the college level.

SPORTS IN SOCIETY

Course Code: 15253

Grade Level: 11-12

Length: 1 Semester (5 credits)

Description: The Sports in Society elective course will provide students with the opportunity to study the realm of sports, the history of sports, and their place in society. The general aim is to gain an understanding of the impact, cultural, and social value of sports. Students will study sports in the social and historical context of different eras, populations, and geographic regions, relative to development, participation, and spectatorship. Students will analyze the creation and evolution of American sports such as football, baseball and basketball, as well as modern Olympic events and other sports from around the world. Students will explore current social and cultural issues surrounding sports today: drug use, violence on and off the field, money and professionalism, and the role of the media. Students will study how these issues tie into modern society as a whole. Students will learn about and apply theories in the study of psychology to sport performance and behavior; recognizing the effect that participation in sports has on an individual's development.

SPORTS PSYCHOLOGY (P)

Course Code: 15251

Grade Level: 10-12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective

Prerequisite: Completion of English 9 and Health with a grade of "B" or higher; or teacher approval

Description: Sports Psychology examines the key psychological aspects of athletic success, as well as investigates the universality of those precepts in achieving success in other fields. This course introduces students to the field of sport and exercise psychology by providing a broad overview of the major topics in the field. Students will explore various psychological theories and conduct research related to sport and exercise. This course will guide high school students in creating a balance of academics, family, and sports, as well as in building a strong knowledge base for choosing a potential college or career focus in the field.

WOMEN IN AMERICAN HISTORY (P)

Course Code: 15400

Grade Level: 10-12

Length: 1 Semester (5 credits)

College: UC/CSU "a" History/Social Science

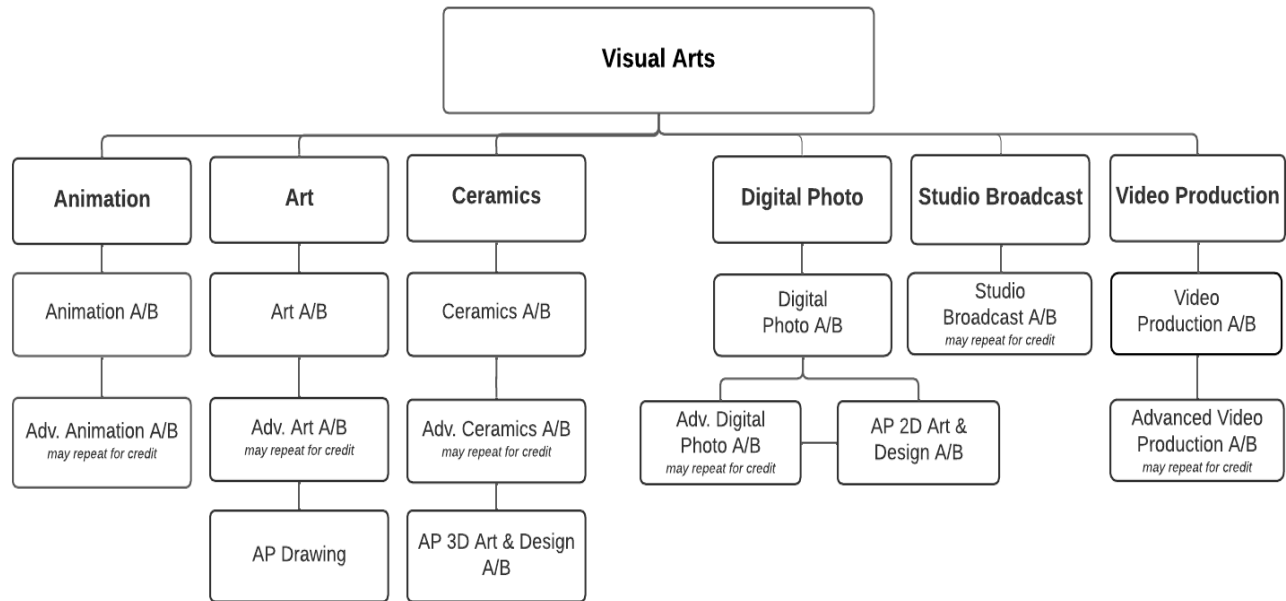
Prerequisite: Completion of US History with a grade of "C" or higher; Enrollment priority to students in grades 11-12

Description: This course will introduce students to the many talented women who played a significant role in American history, from the colonial era to the present day. This class will explore the differences in women and men's experiences throughout United States history. Students will analyze past events to better understand the development of gender roles, gender division of labor in our society, and stereotypes. Students will also explore how female leadership, voice, and influence have been employed to shape and impact the social, political, and economic status of women in our society.

VISUAL AND PERFORMING ARTS DEPARTMENT (VAPA)

Students must complete 30 credits in two of the following categories in order to meet graduation requirements: Visual and Performing Arts, World Language and Career and Technical Education. To meet UC/CSU A-G eligibility, students must complete a one-year course study of a Visual and Performing Art discipline.

VISUAL ARTS



ANIMATION A/B (P)

Course Codes: 60176/60177

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" VPA Requirement

Description: Animation A/B is offered to students who are interested in creating quality artwork using animation, stop motion video, and audio. Students will learn, through theory and hands-on practice, the foundations for cartooning, claymation, and stop-motion animation. They will also learn 2-D and 3-D animation using computer software. Throughout this year, students will analyze work, collaborate with students in our class, and reflect on influential individuals in the world of animation.

ADVANCED ANIMATION A/B (P)

Pending Board/UC Approval

Course Codes: 60178/60179

Grade level: 10-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Completion of Animation A/B or teacher approval

Description: Advanced Animation A/B is intended to provide an evolving, project-based animation program that builds on the skills learned in Animation A/B using the Media Arts and Fine Arts standards. Every project students work on will have a project objective, timeline, examples of deliverables and an opportunity for showcasing the work. Students will use storyboarding, teamwork, editing software, cameras and microphones to complete projects. Projects aim to help students advance in their college and professional careers.

ART A/B (P)

Course Codes: 60010/60020

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: Art A/B will emphasize the Elements of Art and Principles of Design. Students will use the Elements and Principles to create original works of art for individual portfolios. Various techniques, including but not limited to drawing and painting, will be introduced and the students will be able to experiment with various mediums. Students will gain the ability to analyze and respond to various works, including their own. As the class moves into the second half, students will take this knowledge and apply it to more artworks, with the subject matter increasingly focused on how art and their relationship to it is influenced globally and in their own culture. They will also spend some time preparing their own work for presentation as a professional artist would. At the conclusion of this course, students will have learned how to perceive the world artistically and relate this perception to daily life.

ADVANCED ART A/B (P)

Course Code: 60025/60026

Grade level: 10-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "g" Visual and Performing Arts Requirement

Prerequisite: Completion of Art A/B or teacher approval

Description: This course is intended for the fine arts student who desires more emphasis on individual skill development. The course will enhance the student's knowledge and skills in art through application of the State Visual Arts Standards and includes both visual and written assignments. It is designed to accommodate the highly motivated advanced art student. Students are encouraged to explore and develop proficiency in a range of mediums including drawing, painting, collage and may include printmaking and/or digital media. Emphasis will be on building a portfolio of finished work and formulating goals for careers in art.

CERAMICS A/B (P)

Course Codes: 60111/60112

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: Students will be introduced to the basic fundamentals of ceramics, including hand building, sculpture, and design. Students will acquire a basic understanding of glaze application and kiln firing. Students will also learn the elements of art and principles of design as applied to ceramic works. This knowledge will allow them to hold discussions in regards to their designs. Students will learn how to develop constructive criticism for their peers' work. Students learn creative problem solving and how that can enhance their overall academic success. Students will be introduced to the potter's wheel, and taught the basics for them to practice. This course will explore historical and cultural pottery/ sculpture. Students will have tools and materials supplied. A donation is asked to cover consumables for the course.

ADVANCED CERAMICS A/B (P)

Course Codes: 60113/60114

Grade level: 10-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Completion of Ceramics A/B

Description: This course is designed for students who want to further develop their ceramic skills. Challenging the students' creative thought process will be an essential part of this course. Elevated standards of construction and design are expected. Students will have more options of project themes based on their interest. Students are given the opportunity to specialize in their techniques, this includes hand building, wheel throwing and sculpting. This class will also explore contemporary works along with technical/ commercial studio practices. As students continue to repeat the course, the more freedom of choice they have regarding units/ projects.

DIGITAL PHOTOGRAPHY A/B (P)

Course Codes: 60278/60279

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: This course is the initial course of several years of photography available to students. It will comply with the California State Standards and prepare students for additional course work. Students who complete this course may continue on to prepare for the AP 2D Art & Design course, or the AP or IB exams with continued course work.

ADVANCED DIGITAL PHOTOGRAPHY A/B (P)

Course Codes: 60280/60285

Grade level: 10-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "g" Visual and Performing Arts Requirement

Prerequisite: Completion of Digital Photography or teacher approval

Description: The Advanced Digital Photography A/B course is designed for students that want to extend their experience with Digital Photography. This course will also help students prepare for participation in the Advanced Placement 2-D Art and Design course. The Advanced Digital Photography A/B course will cover advanced camera techniques and exploration of creative inquiries. Students will create a portfolio of work and participate in public displays of their work.

AP DRAWING A/B (P)

Course Codes: 60180/60185

Grade level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Completion of Advanced Art with a grade of "C" or higher; or portfolio review

Description: This course is designed for students who would like to further their education in the Drawing Arts such as drawing skills, including mark making, line, surface, space, light, and shade and composition. Work may be drawing (analog and digital), painting, printmaking, and mixed media work. This study will consider how materials, processes and ideas can be used to create work that considers marks that can be used to make drawings, the arrangement of marks, the materials and processes used to make marks, and relationships of marks and ideas. Students will research artists, examining their works for evidence of the elements and principles of design, the artist's influence or reflection on cultural expression and documenting evidence of influence of those artists on the students' works. Students will consider an individualized question of inquiry to explore. In this exploration, they will document in writing the influences, processes, and materials used to create resolved work of art. Students will also produce, show and participate in public displays of art practicing appropriate commentary for exhibiting their works. Students may submit a portfolio to CollegeBoard for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

AP 3D ART & DESIGN A/B (P)

Course Codes: 60165/60166

Grade level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Successful completion in Adv. Art or Adv. Ceramics or Adv. Digital Photo or teacher approval

Description: This course is designed for students who would like to further their education in the 3-D Arts, such as but not limited to figurative or non-figurative sculpture, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3-D fabric fiber arts. This study will consider how materials, processes, and ideas can be used to create work that involves space and form, whether physical or virtual. Elements and principles of design that will be emphasized are: point, line, shape, plane, layer, form, volume, mass, occupied/unoccupied space, texture, color, value, opacity, transparency, time, unity, variety, rhythm, movement, proportion, scale, balance, emphasis, contrast, repetition, connection, juxtaposition, and hierarchy. Students will consider an individualized question of inquiry to explore. In this exploration, they will document in writing the influences, processes, and materials used to create resolved works of art. Students will also produce, show, and participate in public displays of art practicing appropriate commentary for exhibiting their works. Students may submit a portfolio to CollegeBoard for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

AP STUDIO ART PHOTO A/B (P) aka 2D ART & DESIGN A/B (P)

Course Codes: 60286/60287

Grade level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Successful completion of Adv. Digital Photo or teacher approval

Description: This course is for students who would like to further their education in the 2-D Arts, such as painting, photography, printmaking, or graphic design. This study will consider how materials, processes, and ideas can be used to create work on a flat surface. Elements and principles of design that will be emphasized are: point, line, shape, plane, layer, form, space, texture, color, value, opacity, transparency, time, unity, variety, rhythm, movement, proportion, scale, balance, emphasis, contrast, repetition, figure/ground relationship, connection, juxtaposition, and hierarchy. Students will research artists, examining their works for evidence of the elements and principles of design, the artist's influence or reflection on cultural expression and documenting evidence of influence of those artists on the students' works. Students will consider an individualized question of inquiry to explore. In this exploration, they will document in writing the influences, processes, and materials used to create resolved works of art. Students will also produce, show, and participate in public displays of art practicing appropriate commentary for exhibiting their work. Students may submit a portfolio to CollegeBoard for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions.

STUDIO BROADCAST PRODUCTIONS A/B (P)

Course Codes: 60201/60202

Grade Level: 9-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: This course is designed to teach students understanding of the arts and visual communication through media production. Students will learn the fundamentals of reporting, filming scripting, editing, and producing a daily radio and weekly video show for a schoolwide audience. The Elements of Art and Principles of Design will serve as the vehicle for studying artistic value. Technical proficiency is key to creating artistic work in this class. Students will learn how to properly use cameras, lights, microphones, editing software, lighting and backdrops to create newscasts. They will discuss techniques that help create an aesthetically pleasing product and work towards refining their content on a regular basis. In addition, students will learn about the ethics, principles and organizing structures that guide the journalism industry and will discuss historic case studies that have shaped journalism today. As a public forum of student expression, student editors will be responsible for selecting newsworthy content for the school and the adviser will be responsible for supervising the staff and making sure they maintain professional standards of English, art and journalism.

VIDEO PRODUCTIONS A/B (P)

Course Codes: 60190/60191

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: This course is designed for students who are interested in creating quality artwork using video and audio. Students will be introduced to the elements and principles of art needed to create videos, including basic layout and design, color theory, shape, form, and composition and how they relate to video and audio. Students will learn, through theory and hands-on practice, pre-production (script writing, storyboarding), production (camera and tripod usage, lighting, sound recording), and post production (editing, output, packaging and marketing). Throughout the course, students will analyze work, present their work to peers, collaborate with students, and research influential individuals in the world of video productions.

ADVANCED VIDEO PRODUCTIONS A/B (P)

Course Codes: 60192/60193

Grade level: 10-12

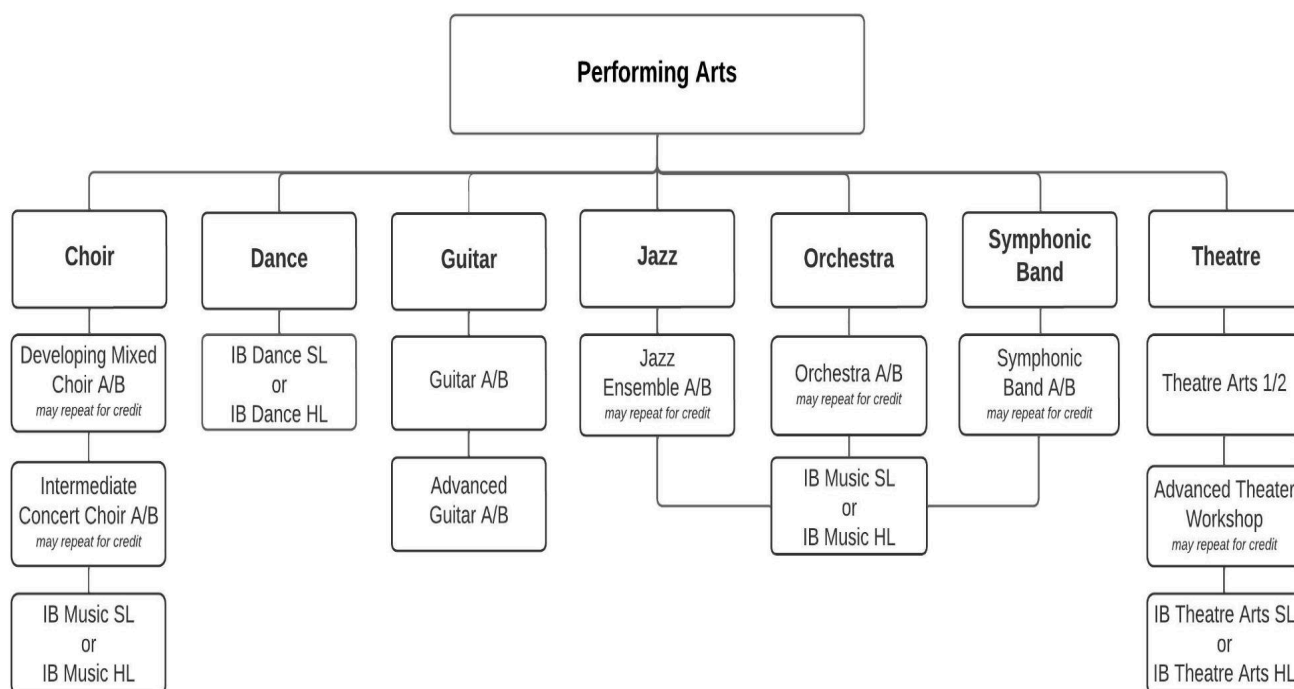
Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Completion of Video Productions; or teacher approval

Description: The purpose of this course is to provide an evolving, project-based digital film and video program that builds on the skills learned in Video Productions A/B using the Media Arts and Fine Arts standards. This course focuses on independent filmmaking, including the roles of the writer, cinematographer, director, and producer. Students experience the creative, organizational, and technical aspects of filmmaking. Each unit introduces new concepts and skills, which transition into the next. Students learn and apply each concept or skill in the production of their independent film projects. Each unit is embedded with multiple, written components based on the needs of the project. These skills include: treatments, screenplays, release forms, contracts, production logs and schedules, critiques, and self-reflections.

PERFORMING ARTS



DEVELOPING MIXED CHOIR A/B (P)

Course Codes: 70024/70025

Grade level: 9-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: The Developing Mixed Choir A/B course is designed for students to learn to increase their vocal skills and explore music through choral repertoire and performance. This course is intended to serve as a Level 1(of 3) ensemble within a choral program. Students will expand their musicianship by creating, performing, and responding to music in a variety of contexts. They will receive instruction in vocal development and technique, music reading, and music theory. The choral literature of Developing Mixed Choir A/B represents a wide variety of cultures, countries, languages, and time periods. By studying diverse repertoire, students learn stylistic interpretation, performance practice, critical analysis and observation techniques, and leadership skills. Students will learn how to work as a cohesive unit while contributing individually to the success of the group. Members of the class are introduced to large ensemble, small group, and solo singing. This choir performs in at least two mandatory major concerts.

INTERMEDIATE CONCERT CHOIR A/B (P)

Course Codes: 70022/70023

Grade level: 10-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

Prerequisite: Completion of Developing Mixed Choir; audition, or teacher approval

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: The Developing Mixed Choir A/B course is an intermediate choir class for students that desire to obtain an in-depth study of choral music. This course is intended to serve as a Level 2 (of 3) ensemble within a choral program. Students will receive advanced instruction in vocal development and technique, advanced sight-reading, and music theory. A wide variety of music styles and choral literatures will be presented. Students will learn stylistic interpretation, performance, practice, critical analysis and observation techniques, aesthetic sensitivity, and assume advanced leadership responsibilities. Students will also learn advanced ear training, pitch discrimination, and vocal blend to perfect the total sound of the group. Members of this class will participate in solo, ensemble, and increasingly independent signing. Performance is a major component of this class. Material and literature are directly related to performance and attendance at all performances is mandatory. This class participates in music festivals and competitions, which are graded and rated.

IB DANCE HL 1 A/B (P)

Course Codes: 23060/ 23061

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "f" Visual and Performing Arts Requirement

Description: The IB Diploma Programme dance course curriculum aims for a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. In order to complete the IB Dance programme, all students will choreograph their own dances and offer analysis of the composition process. Students will also explore, compare, and contrast dances from different cultures and/or traditions. Students will choreograph, perform, and critique dance. Their performance, creativity, and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. Through this course, students will develop skills that will help them become choreographers, dance scholars, performers or, more broadly, to seek life enrichment through dance.

IB DANCE SL A/B (P)

Course Codes: 23050/23051

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "f" Visual and Performing Arts Requirement

Description: IB Dance SL is a comprehensive college-level dance course. IB Dance SL students should have a strong interest in studying, creating and performing dance. The IB Diploma Programme dance course curriculum aims for a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. In order to complete the IB Dance programme, all students will choreograph their own dances and offer analysis of the composition process. Students will also explore, compare, and contrast dances from different cultures and/or traditions. Students will choreograph, perform, and critique dance. Their performance, creativity, and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. Through this course, students will develop skills that will help them become choreographers, dance scholars, performers, or more broadly, to seek life enrichment through dance.

GUITAR A/B (P)

Course Codes: 70350/70351

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: Guitar is a yearlong course designed for students to learn the basics of guitar playing through performance of various styles of music. The songs learned throughout the year will become increasingly complex, so as to quickly take students through the basics and into more exciting musical opportunities. Students will receive instruction in instrumental technique, as well as tablature and staff notation. Students are introduced to both small group and solo playing, as well as providing accompaniment for other musicians, as they learn the skills of listening to one another and contributing to a large ensemble. The course will culminate with a final performance, for which students will choose the piece. This project will allow students to challenge themselves by selecting music that they want to learn and getting out of their comfort zone.

ADVANCED GUITAR A/B (P)

Course Codes: 70352/70253

Grade level: 9-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

Prerequisite: Completion of Guitar or teacher approval

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: Advanced Guitar A/B is designed as a continuation of Guitar A/B. Students will be expected to already have a strong understanding of basic chords, barre chords, tablature, and staff notation. Students will continue their development on the guitar and expand their breadth of knowledge, understanding, and ability on the instrument. This will be done with project based learning, as students will select songs based on different criteria and ability level. Students will learn a variety of songs similar to the guitar project of Guitar A/B. Students will play at least one song with finger-picking style, one song with a larger ensemble, and one song that accompanies singing or instrumental melodies. Students will also be learning basic music theory and writing a song of their own. They will also be exploring different styles and genres of music with their playing. The course will culminate with a performance at the Guitar Concert, which is mandatory for all Advanced Guitar A/B students.

JAZZ BAND WITH HONORS A/B (P)

Course Codes: 70075/70076

Grade level: 10-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Previous experience on a jazz band instrument, audition and/or instructor approval

Corequisite: Concurrent enrollment in Concert Band or Symphonic Band Honors

Description: Jazz Band with Honors is a yearlong, ensemble-based course designed for students who desire to obtain an in-depth study of instrumental jazz performance. Students will receive advanced instruction in instrumental development and technique, advanced sight-reading, music theory, and improvisation. A wide variety of music genres and jazz ensemble repertory will be presented. Students will learn stylistic interpretation, performance practices, critical analysis and observation techniques, aesthetic sensitivity, and assume advanced leadership responsibilities. Students will also learn advanced ear training, pitch discrimination, and tonal blend and balance to perfect the total sound of the group. Members of this class will participate in solo and ensemble playing. Performance is a major component of this class. Material and repertory are directly related to performance and attendance at all performances is mandatory. This class tours yearly and participates in music festivals and competitions, which are graded and rated. In order to differentiate this course from the general Jazz Band class and meet an honors level of curriculum, students will be expected to complete a series of in-class and after-school requirements.

JAZZ ENSEMBLE A/B (P)

Course Codes: 70070/70080

Grade level: 9-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: At least two years playing experience on instruments used in the traditional Big Band and concurrent enrollment in Symphonic Band or Orchestra; or teacher approval

Description: Jazz Ensemble is a performance-based music elective course emphasizing jazz styles, techniques and the performance of jazz literature. The course also explores jazz listening and improvisational skills. Jazz Ensemble uses traditional Jazz Big Band instrumentation; however, small group and/or combo performance opportunities may be included. Students will be required to participate in concert performances, jazz festivals and various field trips and tours. Each half of the course meets for 18 weeks, outside of school day.

IB MUSIC HL 1 A/B (P)

Course Codes: 70380/70381

Grade Level: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Advanced reading/playing ability or at least two years experience or consent of instructor

Description: IB Music HL 1 A/B is year one of a two year IB Music HL course. In this course, students will engage in a journey of imagination and discovery through partnership and collaboration. Students will develop and affirm their unique musical identities while expanding and refining their musicianship. Throughout the course, students are encouraged to explore music in varied and sometimes unfamiliar contexts. By experimenting with music, students will gain hands-on experience while honing musical skills. Through realizing and presenting samples of their musical work with others, students will also learn to communicate critical and artistic intentions and purpose. As students develop as young musicians, the course challenges them to engage practically with music as researchers, performers and creators, and to be driven by their unique passions and interests while also broadening their musical and artistic perspectives.

IB MUSIC SL A/B (P)

Course Codes: 70377/70378

Grade level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Advanced reading/playing ability or at least two years experience or approval by instructor

Description: IB Music SL is a 1-year course with a similar curriculum to IB Music HL but with fewer required class hours and 3 IB assessments instead of 4 at HL. The course will focus on four Areas of Inquiry: Music for sociocultural and political expression, Music for listening and performance, Music for dramatic impact, movement and entertainment and Music technology in the electronic and digital age. At SL, Students will complete three recorded/written assessments: Exploring Music in Context, Experimenting with Music and Presenting Music.

ORCHESTRA A/B (P)

Course Codes: 70330/70331

Grade level: 9-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: At least two years experience on violin, viola, cello, string bass or teacher consent. This course is designed for orchestral string players only. Year-long enrollment is strongly recommended.

Description: Orchestra is a yearlong, ensemble-based course designed for students to learn to increase their instrumental skills and explore music through orchestral repertory and performance. Students will expand their musicianship by creating, performing, and responding to music in a variety of contexts. The students receive instruction in instrumental development and technique, music reading, and music theory. The instrumental music literature of string orchestra represents a wide variety of cultures, countries, and orchestral genres. By working together in an ensemble while preparing a diverse repertory, students learn stylistic interpretation, performance practice, critical analysis, and leadership skills. Students learn how to work as a cohesive unit while contributing individually to the success of the group. Students are introduced to large ensemble, small group, and solo playing. Performances will include a fall, winter, and spring concert, and festivals/competitions in which the ensemble is entered. Attendance at performances is required.

SYMPHONY BAND A/B (P)

Course Codes: 87031/87032

Grade level: 9-12

Length: 2 Semesters (10 credits) *may be repeated for credit*

College: UC/CSU "f" Visual and Performing Arts Requirement

Prerequisite: Middle School Band or Instructor Approval, Previous experience with band instruments

Description: Symphonic Band A/B is a year-long, performance-based music course emphasizing the study of wind band ensemble literature. The course is designed to provide the student musician with the tools required to improve their capabilities on a given instrument. The course includes large ensemble instruction and individual instrument technique. The course will include marching band instruction. Students will learn, rehearse, and perform level appropriate literature. Attendance at all performances and Music Camp is expected.

THEATRE ARTS 1 (P)

Course Code: 70410

Grade level: 9-12

Length: 1 Semester (5 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Corequisite: Must also enroll in Theatre Arts 2

Description: Students will learn the basics of dramatic performance and literature, and will be provided exposure to technical theatre. Students will learn the foundations of performance, including pantomime, improvisation, voice, diction, movement, and technical theatre. Students will complete a variety of performance pieces and written assignments that will demonstrate practical and critical thinking skills, and meet performance criteria.

THEATRE ARTS 2 (P)

Course Code: 70420

Grade level: 9-12

Length: 1 Semester (5 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Corequisite: Must also enroll in Theatre Arts 1

Description: Students will learn the basics of dramatic performance and literature, and will be provided exposure to technical theatre. Building upon basic theatre skills, students will learn the advanced elements of acting including stage directions, voice, diction, movement, and ensemble work. Students will complete a variety of performance pieces and written assignments that will demonstrate practical and critical thinking skills and meet performance criteria.

ADVANCED THEATRE WORKSHOP (P)

Course Codes: 70450/70460

Grade level: 10-12

Length: 1 Semester (5 credits) *must sign up for another single semester course*

Prerequisite: Theatre Arts 1 and 2

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: Students will apply processes and skills in acting, designing and producing formal theatre productions. Students, as cast members, will make acting choices using script/text analysis, character research, dramaturgy, reflection, and revision to create characterizations effectively portraying their role(s) in the theatre work. Students will learn the foundations of performance, including pantomime, improvisation, voice, diction, movement, and character development. Both cast and technical support crews will learn how to integrate technical elements with the actors performing the script/text and, through the rehearsal process, and together create a formal performance ensemble.

IB THEATRE ARTS HL 1 A/B (P)

Course Codes: 70481/70482

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: IB Theatre Arts HL 1 offers students both individual and collaborative experiences in a variety of theatre activities, practices, and traditions. Students will engage in all aspects of creating theatre, including set and costume design, lighting, casting, script writing, scene blocking, and performance. IB theatre emphasizes student participation as creators of theatre, not merely participants in theatre. Students will gain knowledge of theatrical traditions from other cultures and theatrical genres, and apply research to develop their performance pieces. Student activities will engage them in analytical and imaginative interpretation of performance, ask them to reflect on personal growth, and demonstrate initiative and perseverance in individual and group projects. Through researching, creating, preparing, presenting and critically reflecting on theatre, students gain a richer understanding of themselves, their community and the world.

IB THEATRE ARTS SL A/B (P)

Course Codes: 70475/70476

Grade Level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "f" Visual and Performing Arts Requirement

Description: Theater Arts IB Standard Level offers students both individual and collaborative experiences and engagement in a variety of theater activities, practices and tradition. Students will engage in all aspects of creating theater, including set and costume design, lighting, casting, script writing, scene blocking, and performance. IB Theater emphasizes student participation as creators of theater, not merely participants in theater. Students will gain knowledge of theatrical traditions from other cultures and theatrical genres and apply research to develop their performance pieces. Student activities will engage them in analytical and imaginative interpretation of performance, ask them to reflect on personal growth, and demonstrate initiative and perseverance in individual and group projects.

WRITING FOR STAGE AND SCREEN (P)

Course Code: 70403

Grade level: 10-12

Length: 1 Semester (5 credits) *must sign up for another single semester course*

College: UC/CSU "f" Visual and Performing Arts Requirement

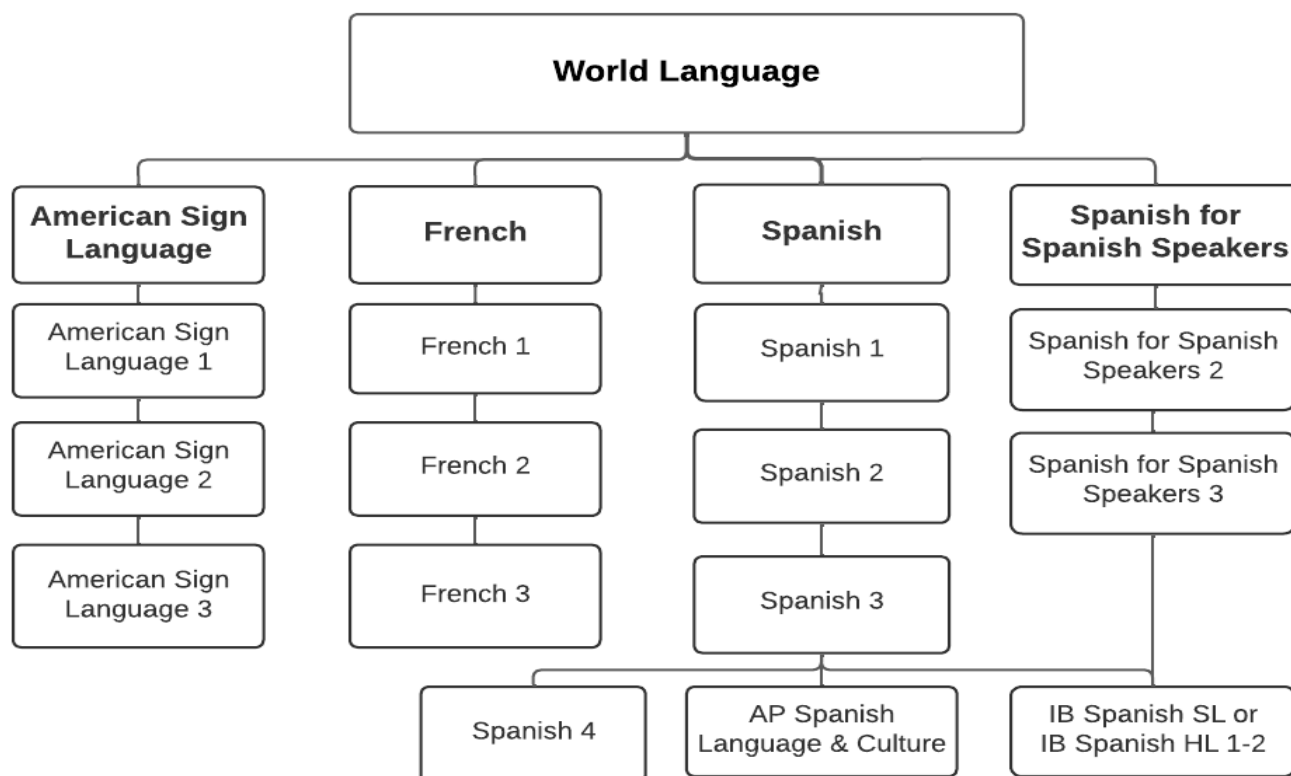
Prerequisite: Completion of Video Production 1 or Theatre Art 1 or teacher approval

Description: This course focuses on the art of writing scripts for both the movie industry and for the theatrical stage. Students will first learn basic formatting of scripts and the differences between scripts for filming and scripts for performing and what information each script needs. Then, utilizing a two tiered approach, students will begin the writing, feedback, and revision process for scripts in both disciplines. The class will culminate with each student choosing a script they have previously written in the class and developing it into a full one-act play or short film which will then be stored for possible performing/filming in future advanced classes.

WORLD LANGUAGE DEPARTMENT

The University of California and California State University systems require a minimum of two years of the same world language and recommend students complete three years. Students who complete two or more years of middle school language with a "C" or higher should enroll in level 2 of that language.

WORLD LANGUAGE COURSE SEQUENCE



AMERICAN SIGN LANGUAGE

AMERICAN SIGN LANGUAGE 1 A/B (P)

Course Codes: 40550/40560

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Description: The course introduces the fundamentals principles of American Sign Language (ASL) and basic information about the Deaf community and the Deaf culture. The ASL course covers receptive skills (seeing and understanding) and expressive skills (signing) as well as basic conversation skills, emphasizing vocabulary and correct use of signs. Students will learn the diverse heritage of the hearing impaired world and its people.

AMERICAN SIGN LANGUAGE 2 A/B (P)

Course Codes: 40570/40580

Grade level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Prerequisite: Completion of ASL 1 with a grade of "C" or higher; or teacher approval

Description: The course continues the study of the processes and basic structures of ASL to provide a deeper understanding of and an ability to use the language more fluently. Students will build their expressive (signing) and receptive (comprehension) sign vocabulary, use of signing space, and further use of non-manual components of ASL grammar including facial expression and body postures.

AMERICAN SIGN LANGUAGE 3 A/B (P)

Course Codes: 40585/40590

Grade level: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Prerequisite: Completion of ASL 2 with a grade of "C" or higher; or teacher approval

Description: This course provides students with the opportunity to expand their ASL skills through the application of ASL in a variety of discourse and narrative settings. Students will develop their skills through daily structured practice in a variety of contexts including dialogue with native speakers. ASL 3 will focus on semantic awareness analysis, in-depth exploration of ASL grammar, transitions between ideas, and in-depth use of classifiers. Students will acquire knowledge and new insight about the Deaf culture and history in America and throughout the world. Finally, students will be able to determine for themselves the viability of ASL skills in their futures, whether using ASL as a life skill, for enrichment and/or for potential employability.

FRENCH

FRENCH 1 A/B (P)

Course Codes: 40010/40020

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Prerequisite: English or teacher approval

Description: French 1 A/B is an introductory course designed for students who are beginning to explore the French language and culture. This yearlong course presents the learner with basic language patterns and vocabulary, helping them begin to communicate in French through listening, speaking, reading and writing, all within a cultural context.

FRENCH 2 A/B (P)

Course Codes: 40030/40040

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Prerequisite: Completion of French 1 with a grade of "C" or higher; or teacher approval

Description: French 2 A/B is a course in which learners understand, interpret, and analyze what is heard, read, or viewed in French on a variety of topics. Students will interact and negotiate meaning in spoken, signed, or written conversations to share information, reactions, feelings, and opinions. Students present information, concepts, and ideas to inform, explain, persuade, and narrate on a variety of topics using appropriate media and adapting to various audiences of listeners, readers, or viewers. Students will be required to think, compare and contrast their way of life, their likes and dislikes, with other cultures.

FRENCH 3 A/B (P)

Course Codes: 40050/40060

Grade level: 9-12

Length: 2 Semesters (10 credits)

Prerequisite: Completion of French 2 with a grade of "C" or higher; or teacher approval

College: UC/CSU "e" Language other than English Requirement

Description: In French 3, students will expand and refine previous knowledge with increasingly complex concepts in language and culture. Within a French/francophone cultural context, and the diversity it entails, and with the use of authentic materials, students will develop the three modes of communication (interpersonal, interpretive, and presentational).

SPANISH

SPANISH 1 A/B (P)

Course Codes: 40210/40220

Grade level: 9-12

Length: 2 Semesters (10 credits)

Prerequisite: English or approval of instructor

College: UC/CSU "e" Language other than English Requirement

Description: Spanish 1 A/B is an introductory course designed for students who are beginning their exploration in the Spanish language and culture. It is a year-long course which presents the learner with basic language patterns and vocabulary to be employed in all four modes of communication: speaking, writing, reading, and listening within a cultural context. Students will study the cultural diversity of the Spanish-speaking world through engaging activities. There will be an emphasis on the fostering of oral skills, and students will be required to speak in Spanish on a variety of topics useful for daily life.

SPANISH 2 A/B (P)

Course Codes: 40230/40240

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Prerequisite: Completion of Spanish 1 with a grade of "C" or higher; or teacher approval

Description: Spanish 2 A/B expands previous knowledge with increasingly complex concepts in language and culture, emphasizing the three modes of communication: interpersonal, interpretive and presentational to develop deeper comprehension as well as speaking and writing production in Spanish within a cultural context. Students will study the cultural diversity of the Spanish-speaking world through engaging activities. There will be an emphasis on oral skills, and students will be required to speak in Spanish on a variety of topics useful for daily life (including daily routine, food, parties, health, technology, and the home, etc.).

SPANISH 3 A/B (P)

Course Codes: 40250/40260

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Prerequisite: Completion of Spanish 2 with a grade of "C" or higher; or teacher approval

Description: Throughout Spanish 3, students will expand previous knowledge with increasingly complex concepts in language and culture, emphasizing the three modes of communication (interpersonal, interpretive, and presentational) to develop deeper comprehension as well as speaking and writing production in Spanish within a cultural context. Students will study the cultural diversity of the Spanish-speaking world through engaging activities. There will be an emphasis on oral skills and students will be required to speak Spanish on a variety of topics useful for daily life.

SPANISH 4 A/B (P)

Course Codes: 40265/40266

Grade Level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement Approval

Prerequisite: Completion of Spanish 3 with a grade of "C" or higher; or teacher approval

Description: Spanish 4 is an advanced level Spanish course. Spanish 4 is where previously introduced skills are further practiced, developed and honed: Verb tenses and other components of grammar go under vigorous review, are utilized in extended contexts, and are applied to various frameworks and text types. The main goal of this course is for students to develop, on a daily basis, receptive and productive skills that will allow them to communicate extensively in Spanish and understand the language and its different perspectives through cultural experience. The Spanish 4 course is conducted almost exclusively in Spanish. With appropriate support, students are encouraged to use the target language with their peers and teachers. Students are exposed to literature, lectures, oral presentations, conversations, instructions, news articles, and short stories in the Spanish language. Students will be able to express ideas in written and oral form, analyzing, synthesizing, and critiquing various topics as well as expressing themselves accordingly to their target audience.

AP SPANISH LANGUAGE & CULTURE A/B (P)

Course Codes: 40270/40280

Grade level: 10-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "e" Language other than English Requirement

Prerequisite: Completion of Spanish 3 with a grade of "C" or higher; or teacher approval

Description: AP Spanish Language is an advanced level Spanish course. In this course, students learn rich, advanced vocabulary and linguistic structures as they build proficiency in all three modes of communication (presentational, interpretive and interpersonal), and use the target language in real-life settings. The course content incorporates a wide variety of academic and cultural topics (families and communities, science and technology, beauty and aesthetics, contemporary life, global challenges, personal and public identities). Activities include conversations, authentic readings, written communication, advanced listening selections such as: podcasts, videos, and various news websites, short stories in the Spanish language. Students experience language through the study of cultures, while making connections and comparisons to their native language and developing communication skills in the Spanish language. AP Spanish Language is a course conducted exclusively in Spanish.

IB SPANISH HL 1 A/B (P)

Part one of two year course sequence

Course Codes: 40405/40406

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "e" Language Other than English Requirement

Prerequisite: Completion of Spanish Native Speakers 1 and/or 2 or AP Spanish Language & Culture or Spanish 3 with a grade of "C" or higher; or teacher approval

Description: IB Spanish HL 1 aims to develop students' critical reading and analytical writing skills in Spanish as well as their ability to make interdisciplinary connections and explore linguistic and cultural comparisons. Students are expected to discuss literacy texts and their different historical, sociocultural, and geopolitical contexts in a variety of interactive oral and written formats in Spanish. Additionally, students will analyze themes and features of artistic representations, audiovisual materials, and audio sources related to course content, in Spanish.

IB SPANISH HL 2 A/B (P)

Part two of a two year course sequence

Course Codes: 40407/40408

Grade Level: 12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "e" Language Other than English Requirement

Prerequisite: Completion of Spanish IB HL1 with a grade of "C" or higher or approval of instructor

Description: IB Spanish HL 2 aims to develop students' critical reading and analytical writing skills in Spanish as well as their ability to make interdisciplinary connections and explore linguistic and cultural comparisons. Students are expected to discuss literary texts and their different historical, sociocultural, and geopolitical contexts in a variety of interactive oral and written formats in Spanish. Additionally, students will analyze themes and features of artistic representations, different historical, sociocultural, and geopolitical contexts in a variety of interactive oral and written formats in Spanish.

IB SPANISH SL A/B (P)

Course Codes: 40400/40401

Grade level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "e" Language Other than English Requirement

Prerequisite: Completion of Spanish 3 with a grade of "C" or higher; or teacher approval

Description: International Baccalaureate (IB) Spanish Standard Level (SL) aims to develop students' critical reading and analytical writing skills in Spanish as well as their ability to make interdisciplinary connections and explore linguistic and cultural comparisons. Students are expected to discuss literary texts and their different historical, sociocultural, and geopolitical contexts in a variety of interactive oral and written formats in Spanish. Additionally, students will analyze themes and features of artistic representations, audiovisual materials, and audio sources related to course content, in the target language.

SPANISH FOR SPANISH SPEAKERS

SPANISH FOR SPANISH SPEAKERS 2 A/B (P)

Course Codes: 40396/40397

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Description: This course is a heritage language course designed for students who already speak Spanish at home or students who have been in the dual immersion program and seek to strengthen their academic proficiency in reading, writing, grammar, and formal communication. This course is the second level in LVJUSD's Spanish Speaker Pathway, which begins with Spanish Speakers 1 (Galería A), continues with Spanish Speakers 3 (Galería C), and prepares students for AP Spanish Language & Culture, AP Language & Literature, IB Spanish HL 1 A/B, and IB Spanish HL 2A/B.

SPANISH FOR SPANISH SPEAKERS 3 A/B (P)

Pending Board/UC Approval

Course Codes: 40398/40399

Grade level: 10-12

Length: 2 Semesters (10 credits)

College: UC/CSU "e" Language other than English Requirement

Description: Spanish for Spanish Speakers 3 is a course designed for students who have command of the Spanish language and would benefit from further development in the use of academic Spanish cultural knowledge, and literacy in Spanish. This two-semester course taught primarily in Spanish provides Spanish-speaking students the opportunity to continue to master their primary language. The class will focus on the Spanish language and syntax and the culture and history associated with Spanish-speaking countries. The emphasis of this course will be to develop, maintain, and enhance proficiency in Spanish. Acquiring proficiency includes focus on reinforcing listening, speaking, reading, and writing skills with the linguistic structures of Spanish grammar. The concepts of this course include the cultural significance of political, social and contemporary issues. This course will prepare students to communicate effectively through oral and written text of prepared debates or presentations in response to a variety of issues and complex literary works written in Spanish. This course is the third level in LVJUSD's Spanish Speaker Pathway, which begins with Spanish Speakers 1 (Galería A), Spanish Speakers 2 (Galería B), and prepares students for AP Spanish Language & Culture, AP Language & Literature, IB Spanish HL 1 A/B, and IB Spanish HL 2A/B.

IB SPANISH HL 1 A/B (P)

Part one of two year course sequence

Course Codes: 40405/40406

Grade Level: 11

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "e" Language Other than English Requirement

Prerequisite: Completion of Spanish Native Speakers 1 and/or 2 or AP Spanish Language & Culture or Spanish 3 with a grade of "C" or higher; or teacher approval

Description: See page 70 for course description

IB SPANISH HL 2 A/B (P)

Part two of a two year course sequence

Course Codes: 40407/40408

Grade Level: 12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "e" Language Other than English Requirement

Prerequisite: Completion of Spanish IB HL1 with a grade of "C" or higher or approval of instructor

Description: See page 70 for course description

IB SPANISH SL A/B (P)

Course Codes: 40400/40401

Grade level: 11-12

Length: 2 Semesters (10 credits)

College: Honors UC/CSU "e" Language Other than English Requirement

Prerequisite: Completion of Spanish 3 with a grade of "C" or higher; or teacher approval

Description: See page 70 for course description

NON-DEPARTMENTAL COURSES

ELECTIVES

IB DIGITAL SOCIETY HL 1 A/B (P)

Course Codes: 43534/43535

Grade Levels: 11

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Electives Requirement

Description: This course is designed for young people interested in studying and exploring the impact and importance of digital systems and technologies in the contemporary world. This course is extremely relevant to students as digital systems are rapidly changing our world and transforming how we think, communicate, work, collaborate and create. This course invites young people to better understand this changing world and to imagine where we might go next through an inquiry and concept-based course of study. As partners in inquiry, students and teachers will explore the impacts and implications of digital systems for people and communities in diverse real-world contexts.

IB DIGITAL SOCIETY SL A/B (P)

Course Codes: 43532/43533

Grade Levels: 11-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Electives Requirement

Description: This course is designed for young people interested in studying and exploring the impact and importance of digital systems and technologies in the contemporary world. It is extremely relevant to students as digital systems are rapidly changing our world and transforming how we think, communicate, work, collaborate and create. This course invites young people to better understand this changing world and to imagine where we might go next through an inquiry and concept-based course of study. As partners in inquiry, students and teachers will explore the impacts and implications of digital systems for people and communities in diverse real-world contexts. Course content informs student inquiry with details about digital systems including areas related to data, algorithms, media, AI, robotics and more, enabling students to investigate and analyze the impacts and implications of digital systems for people and communities. Students will complete the IB Internal Assessment Inquiry Project, in which students will research the impacts and implications of a chosen digital system for people and communities and create a multimedia presentation of their findings. This course will help students to build skills and understand the importance and impact of digital systems and technologies in the contemporary world.

HEALTH EDUCATION (P)

Course Code: 30000

Grade Level: 9-12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective Requirement

Description: The Health Education course will help students to develop life-long, positive health-related behaviors and will provide students with information, decision-making skills, and resources that will encourage thoughtful and responsible behavior. credits of study will include: Nutrition and Physical Activity; Growth, Development, and Sexual Health; Alcohol, Tobacco, and Other Drugs; Mental, Emotional, and Social Health; and Personal and Community Health. This course includes self-directed learning activities that will provide practical skills that will enhance students' health and wellness. Health Education will ensure that students meet the California Health Education Content Standards and fulfill the California Education Code requirements for teaching comprehensive sexual health. This course meets the guidelines of the Health Framework and is a graduation requirement. Alternative assignments will be provided upon written request for students whose parents wish to opt out of the sexual health unit.

LEADERSHIP A/B (P)

Course Codes: 81040/81045

Grade level: 9-12

Length: 2 Semesters (10 credits)

Prerequisite: Student must go through the election or application process and earn a spot in the class

College: UC/CSU "g" Elective Requirement

Description: The Leadership class is designated to facilitate the Student Government program. It is a project-based course intended to provide time for Associated Student Body (ASB) members to accomplish their goals and duties as representatives of the student body. Students develop their leadership skills in goal setting, time management, organization, communication, school and community service, interpersonal relations, problem solving, team building, and evaluation and reflection. They will utilize reading and writing to develop their knowledge of leadership types and how best to present their ideas to others.

OFFICE ASSISTANT/IWE-OFFICE

Course Code: 86118

Grade level: 11-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of contract and staff or teacher approval

Description: This program is designed to give students an opportunity to obtain experience in various phases of school office operations. The student will be placed in a specific office. Students gain clerical and other types of office experience. Students must uphold confidentiality, be personable, reliable, motivated and able to work independently. This course earns elective credit and will be graded as Pass/Fail.

PERSONAL FINANCE(P)

Course Code: 20695

Grade Level: 11-12

Length: 1 Semester (5 credits)

College: UC/CSU "g" Elective Requirement

Description: The semester-long course, *Financial Literacy*, covers all of the essential personal finance topics necessary to become a financially capable student. Students will explore essential financial topics, including banking, investing, types of credit, managing credit, and paying for college, while also fostering employment skills. They will develop practical skills in budgeting, understanding insurance, navigating taxes, and enhancing their overall consumer knowledge. By the end of this course, students will have a thorough understanding of personal finance topics and be prepared to handle the financial responsibilities that exist after graduation.

AP RESEARCH A/B (P)

Course Codes: 88055/88056

Grade level: 11-12

Length: 2 Semesters (10 credits)

Prerequisite: Advanced Placement (AP) Seminar recommended

College: UC/CSU "g" Elective Requirement

Description: Advanced Placement (AP) Research A/B allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they learn research methodology, employ ethical research practices, and access, analyze, and synthesize information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

SPECIAL EDUCATION CLASSROOM AIDE

Course Code: 80580

Grade level: 11-12

Length: 1 Semester (5 credits) *may be repeated for credit*

Prerequisite: Completion of contract and staff or teacher approval

Description: This course is designed for students who want to work with developmentally delayed students. Students assist with functional academics, vocational skills, social skills and independent living skills. They must enjoy working with people and have a positive attitude. This course earns elective credit and will be graded as Pass/Fail.

TEACHER ASSISTANT

Course Code: 86300

Grade level: 11-12

Length: 1 Semester (5 credits)

Prerequisite: Completion of contract and staff or teacher approval

Description: This program is designed to give students an opportunity to obtain experience in various phases of classroom operations. Students gain clerical and other types of office experience and in some cases may assist with some of the teaching duties. This course earns elective credit and will be graded as Pass/Fail.

WORK EXPERIENCE EDUCATION (WEE)

Course Codes: 85120/85140

Grade level: 11-12

Length: 1 - 2 Semesters (5 credits each)

Prerequisite: Students must have or must obtain a job on their own within two weeks of the start of the course

Description: Work Experience Education (WEE) is an elective course that combines paid employment or paid internships with classroom instruction. Students develop strong work habits, positive attitudes, self-confidence, and job related skills. Students will develop a portfolio that highlights their abilities, knowledge and skills achieved.

YEARBOOK PRODUCTION A/B (P)

Course Codes: 10610/10615

Grade level: 9-12

Length: 2 Semesters (10 credits)

College: UC/CSU "g" Elective Requirement

Prerequisite: Must have passed 8th grade English with a D+ or higher

Description: This is a project-based course that will culminate in a professionally published annual yearbook that describes the "student experience" of an LVJUSD High School's student body. Students will learn the basics of photography, journalism, page design, and marketing and use those skills to design, promote and sell their published product. Because this course is deadline driven, students will have required participation outside of regular class hours. Through the course students will act as employees of a book packaging company, working with a publisher, adhering to publishing deadlines and project budgets. Students will learn publishing technology that will ensure the quality of their annual meets industry standards.

