

# Acalanes Union High School District

*We educate every student to excel and contribute in a global society.*

## District Course Offerings 2011-2012



**Acalanes**



**Campolindo**



**Las Lomas**



**Miramonte**

All course offerings are subject to the demonstration of sufficient student interest, availability of appropriately-credentialed staff, budgetary constraints, and Governing Board approval of courses of study.

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## School Information & Contacts

### **Acalanes High School**

1200 Pleasant Hill Road  
Lafayette, CA 94549  
Principal: Aida Glimme  
Lead Counselor: Lynn Millar  
(925) 280-3970 Fax (925) 280-3971  
Website: [www.acalanes.k12.ca.us/ahs](http://www.acalanes.k12.ca.us/ahs)

### **Campolindo High School**

300 Moraga Road  
Moraga, CA 94556  
Principal: Carol Kitchens  
Lead Counselor: Jeanne Ballard  
(925) 280-3950 Fax (925) 377-6420  
Website: [www.acalanes.k12.ca.us/campolindo](http://www.acalanes.k12.ca.us/campolindo)

### **Las Lomas High School**

1460 South Main Street  
Walnut Creek, CA 94596  
Principal: Matt Campbell  
Head Counselor: Scott Swain  
(925) 280-3920 Fax (925) 280-3921  
Website: [www.acalanes.k12.ca.us/laslomas](http://www.acalanes.k12.ca.us/laslomas)

### **Miramonte High School**

750 Moraga Way  
Orinda, CA 94563  
Principal: Adam Clark  
Head Counselor: Lois Halls  
(925) 280-3930 Fax (925) 376-7702  
Website: [www.acalanes.k12.ca.us/miramonte](http://www.acalanes.k12.ca.us/miramonte)

### **Center for Independent Study**

1963 Tice Valley Blvd.  
Walnut Creek, CA 94595  
(925) 280-3945 Fax (925) 280-3981  
Dir. of Alternative Education: Frank Acojido  
Website: [www.acalanes.k12.ca.us/cis](http://www.acalanes.k12.ca.us/cis)

### **Acalanes District Office**

Educational Services  
1212 Pleasant Hill Road  
Lafayette, CA 94549  
Associate Superintendent: John Nickerson, Ed.D.  
(925) 280-3900 x 6625 Fax (925) 935-0526  
Website: [www.acalanes.k12.ca.us/curriculum](http://www.acalanes.k12.ca.us/curriculum)

## GRADUATION REQUIREMENTS AND GENERAL INFORMATION

### Graduation Requirements - Acalanes, Campolindo, Las Lomas, Miramonte (Class 2012, 2013)

**1. Credits:** Earn 240 total credits\*

✓ **Course Requirements:**

- 40 Credits English
- 20 Credits Math\*\*
- 10 Credits Biological science
- 10 Credits Physical science
- 10 Credits World History/Geography
- 10 Credits U.S. History
- 10 Credits U.S. Government/Economics
- 20 Credits World Language, Visual & Performing Arts, Career/Tech Ed\*\*\*
- 20 Credits Physical Education (Including 9<sup>th</sup> Grade PE)
- 90 Credits Elective Courses
- 240 Credits

**2. Pass the California High School Exit Exam** (both sections)

\* Ten units of credit are granted for the successful completion of a course for one year. Credits are granted on a semester basis (5 units per semester, per class)

\*\* Students must pass the equivalent of two semesters of Algebra 1 in order to graduate.

\*\*\* Students must take one year each in two of these three areas.

### Graduation Requirements - Acalanes, Campolindo, Las Lomas, Miramonte – (Effective Class of 2014)

**1. Credits:** Earn 240 total credits\*

✓ **Course Requirements:**

- 40 Credits English (Course title must include “English”)
- 20 Credits Math\*\*
- 10 Credits Biological science
- 10 Credits Physical science
- 10 Credits World History/Geography
- 10 Credits U.S. History
- 10 Credits U.S. Government/Economics
- 20 Credits World Language, ASL, Visual Arts, Performing Arts, Career/Tech Ed\*\*\*
- 20 Credits Physical Education (Including 9<sup>th</sup> Grade PE)
- 90 Credits Elective Courses
- 240 Credits

**2. Pass the California High School Exit Exam** (both sections)

\* Ten units of credit are granted for the successful completion of a course for one year. Credits are granted on a semester basis (5 units per semester, per class)

\*\* Students must pass the equivalent of two semesters of a course of study beyond Algebra 1

\*\*\* Students must take one year each in two of these five areas.

Contact your counselor with any questions concerning course selection and planning. Early in the second semester counselors will talk with students in their classes to give an overall view of plans for the next year's courses. Counselors also will distribute and collect course request materials.

### **GUIDELINES FOR CHOOSING A COURSE**

As you study this catalog and read the brief course descriptions, you are encouraged to consider the following guidelines before selecting courses that you want to take next year:

1. **GRADUATION REQUIREMENTS...** carefully check the graduation requirements listed below.
2. **COLLEGE ENTRANCE REQUIREMENTS...** look for courses required by many colleges and universities.
3. **CAREER PLANS...** look for courses that can help you prepare for possible career goals.
4. **YOUR INTERESTS...** check for courses that let you pursue your own personal interests.
5. **PARENT APPROVAL...** talk with your parents about your course choices.
6. **TEACHER RECOMMENDATION...** talk with your teachers about course choices and get their recommendations.

# COLLEGE ENTRANCE REQUIREMENTS

## TYPICAL PROGRAM FOR FOUR-YEAR COLLEGE-BOUND STUDENT

(Four-five academic subjects each year will meet the minimum entrance requirements at most colleges)

<u>9th Grade</u>		<u>10th Grade</u>		<u>11th Grade</u>		<u>12th Grade</u>	
	Units		Units		Units		Units
1. English 1	10	1. English 2	10	1. English 3	10	1. English 4	10
2. World History	10	2. Geometry/Alg 2	10	2. Algebra 2/Math	10	2. US Govt/Econ	10
3. Alg 1/Geometry	10	3. World Lang	10	3. World Lang	10	3. Mathematics	10
4. World Lang	10	4. Biology/Phys Sci	10	4. Phys Sci/Sci	10	4. Science	10
5. P.E./Health	10	5. PE	10	5. U.S. History	10	5. World Lang	10
6. Biology/Elective	10	6. Elective	10	6. Elective	10	6. Elective	10
	60 Units		60 Units		60 Units		60 Units
7.* Elective	10	7. Elective	10	7. Elective	10	7. Elective	10
	70 Units		70 Units		70 Units		70 Units

\*pending course availability

## TYPICAL PROGRAM FOR TWO-YEAR COMMUNITY COLLEGE-BOUND STUDENT

<u>9th Grade</u>		<u>10th Grade</u>		<u>11th Grade</u>		<u>12th Grade</u>	
	Units		Units		Units		Units
1. English 1	10	1. English 2	10	1. English 3	10	1. English 4	10
2. World History	10	2. Geometry	10	2. Algebra 2	10	2. US Govt/Econ	10
3. Algebra 1	10	3. World Lang	10	3. World Lang	10	3. Math/Sci Elec	10
4. Visual/Perf Art	10	4. Biology	10	4. Phys. Science	10	4. Elective	10
5. P.E.	10	5. PE	10	5. U.S. History	10	5. Elective	10
6. Elective	10	6. Elective	10	6. Elective	10	6. Elective	10
	60 Units		60 Units		60 Units		60 Units
7.* Elective	10	7. Elective	10	7. Elective	10	7. Elective	10
	70 Units		70 Units		70 Units		70 Units

\*pending course availability

The programs above are to be used as guides only. Variation occurs as a factor of the unique needs and goals of individual students.

## UNIVERSITY OF CALIFORNIA REQUIREMENTS

Subject Requirement ("a-g" Coursework)

Students interested in entering the University of California as a freshman in the fall of 2012 — or any time after that — must satisfy these new admission requirements:

1. Complete a minimum of 15 college-preparatory courses ("a-g" courses), with at least 11 finished prior to your senior year.

**The 15 courses are:**

- |  |         |
|--|---------|
| a. History/social science  | 2 years |
| b. English   | 4 years |
| c. Mathematics   | 3 years |
| d. Laboratory science  | 2 years |
| e. Language other than English   | 2 years |
| f. Visual and performing arts  | 1 year  |
| g. College-preparatory elective<br>(chosen from the subjects listed above or another course<br>approved by the university) | 1 year  |
2. Earn a grade point average (GPA) of 3.0 or better (3.4 if you're a nonresident) in these courses with no grade lower than a C.
  3. Take the ACT with Writing or the SAT Reasoning Test by December of your senior year. Unlike our current requirement, you won't have to take SAT Subject Tests for fall 2012 admission

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**For UC information go to:** <http://www.universityofcalifornia.edu/admissions/freshman/applying-fall-2012/index.html>

**For the UC Certified Course List** - Go to the UC website address and enter the school name to see your school's UC certified course list:

[https://doorways.ucop.edu/list/servlet.jsf;jsessionid=972E197BB368742FE679AD8DCE540B3E?\\_flowExecutionKey=c950BD4E8-5A20-9042-CFA2-03C1EA24A1BB\\_k256C83CA-79E7-44CF-F821-B673E1043352](https://doorways.ucop.edu/list/servlet.jsf;jsessionid=972E197BB368742FE679AD8DCE540B3E?_flowExecutionKey=c950BD4E8-5A20-9042-CFA2-03C1EA24A1BB_k256C83CA-79E7-44CF-F821-B673E1043352)

## **CALIFORNIA STATE UNIVERSITY SUBJECT REQUIREMENTS**

The CSU requires a minimum 15-unit pattern of courses for admission as a first-time freshman. Each unit is equal to a year of study in a subject area. A grade of C or higher is required for each course you use to meet any subject requirement.

<b>Area</b>	<b>Subject</b>	<b>Years</b>
a.	<b>History and Social Science</b> (including 1 year of U.S. history or 1 semester of U.S. history and 1 semester of civics or American government <i>AND</i> 1 year of social science)	2
b.	<b>English</b> (4 years of college preparatory English composition and literature)	4
c.	<b>Math</b> (4 years recommended) including Algebra I, Geometry, Algebra II, or higher mathematics (take one each year)	3
d.	<b>Laboratory Science</b> (including 1 biological science and 1 physical science)	2
e.	<b>Language Other than English</b> (2 years of the same language; American Sign Language is applicable - <a href="#">See below about a possible waiver of this requirement</a> )	2
f.	<b>Visual and Performing Arts</b> (dance, drama or theater, music, or visual art)	1
g.	<b>College Preparatory Elective</b> (additional year chosen from the <a href="#">University of California</a> "A-G" list)	1
<b>Total Required Courses</b>		<b>15</b>

For CSU Admissions information: [http://www.csumentor.edu/planning/high\\_school/subjects.asp](http://www.csumentor.edu/planning/high_school/subjects.asp)

## **PRIVATE COLLEGE REQUIREMENTS**

Private colleges do not usually publish a firm list of required courses. However, the list of courses required by the University of California gives you a guideline for the high school courses that should be taken to qualify for admission to private colleges. Many students take advantage of Advanced Placement (AP) courses offered as these courses are well respected by private colleges. Many students attend private colleges each year with campus choices ranging from large, well-known universities to smaller institutions with highly-focused curricular offerings.

## **COMMUNITY COLLEGE REQUIREMENTS**

First priority for student enrollment in the California Community College System is given to students who have either graduated from high school, did not complete high school by the date of their class' graduation, or have reached the age of 18. Additionally, community college districts may enroll students for other reasons, such as a student being identified as highly-gifted or a student's academic record demonstrating that he/she would benefit from academic enrichment. All Acalanes Union High School District students are required by the California Community College System to have a school administrator approve any request to enroll in a community college course. Community college courses are not accepted for original credit in lieu of courses required for graduation by the Acalanes Union High School District.

## **COUNSELING/CAREER CENTER INFORMATION**

### **CONTACT YOUR COUNSELOR**

Students are encouraged to discuss with their counselor any questions concerning course planning. Each spring, counselors will visit classes and give an overall view of plans for next year's course selection and registration procedures.

### **COUNSELING PROGRAM**

The counseling program is designed to assist students with academic, personal, and life-planning choices as students become increasingly self-reliant and independent during their four years of high school. Counselors work with students (divided by alpha groups), which allow students to work with the same counselor throughout their high school career. Counselors meet with students in groups (classroom and evening presentations) and on a one-to-one basis. Additionally, each campus has a crisis counseling program available for urgent personal counseling needs.

### **COLLEGE/CAREER CENTER**

The College/Career Center is staffed by a college/career advisor and parent volunteers. Materials on vocational opportunities, college catalogs, requirements and offerings, college entrance and placement tests, and career-interest tests are available in the center. The College/Career Centers also provide a job-placement service. Please check with your site's College/Career Center for its hours of operation.

### **COMMENTS OR QUESTIONS?**

The information in this Course Catalog is edited annually. If there are any comments or questions about the contents, contact Educational Services at the Acalanes District Office at (925) 280-3900, extension 6629.

## **ALTERNATIVE PROGRAMS**

### **CENTER FOR INDEPENDENT STUDY**

Center for Independent Study, located on the Del Valle campus, offers alternative instructional programs and different diploma requirements than the comprehensive schools. It offers students a flexible daily schedule which cannot be met by regular high school programs. For more information regarding the Center for Independent Study and/or course offerings, contact the Director of Adult and Alternative Education at (925) 280-3980.

### **REGIONAL OCCUPATION PROGRAM (ROP)**

The Regional Occupation Program (ROP), administered collaboratively by the Acalanes Union High School District and the Contra Costa County Office of Education, provides school-to-career preparation classes for juniors and seniors. Classes are designed to help students learn about career choices, develop job skills, and gain skills useful in college. Most classes can be taken for one or two periods, and some include internships. Students earn elective credits, and some classes offer transferable college credits. Many ROP courses fulfill UC/CSU "a-g" subject matter entrance requirements. Students also are eligible to take ROP classes located off campus. Students must be 16 years of age to enroll in ROP classes.

**ROP**  
**(Regional Occupation Program)**

[www.cocoschools.org/rop](http://www.cocoschools.org/rop)

To register for classes on your campus, write the ROP course title on your course selection form.

**ROP COURSES ANTICIPATED TO BE OFFERED IN THE ACALANES DISTRICT**

<b>Acalanes</b>	<b>Campolindo</b>	<b>Las Lomas</b>	<b>Miramonte</b>
✓ Auto Technology	✓ Architectural Design	✓ Analytical Forensic Science	✓ Architectural Design
✓ Adv. Auto Technology	✓ AP Computer Science		✓ AP Environmental Science
✓ Biotechnology	✓ Auto Technology	✓ Adv. Auto Technology	✓ Journalism Prod.
✓ Digital Photo	✓ AP Environmental Science	✓ Computer Technology	✓ Adv. Digital/Photo
✓ Adv. Digital Photo	✓ AP Music Theory	✓ Journalism Prod.	✓ Sports Medicine
✓ Sports Medicine	✓ Adv. Digital Photo	✓ Sports Medicine	
	✓ Sports Medicine		
	✓ TV/Video Production		

**ROP COURSES OFFERED OFF CAMPUS**

ROP classes are located on high school campuses throughout Contra Costa County, Albany, Berkeley, and Emeryville. Classes with an asterisk are offered in Contra Costa County.

**TO ENROLL:** Contact your counselor and call the ROP office at 925-942-3436.

**Agriculture and Natural Resources**

Environmental Science\*

**Art, Media, and Entertainment**

Art & Animation\*

Commercial Art\*

Computer Graphic Arts\*

Multimedia

Photography\*

Video Production/Art of Video\*

**Education, Child Development and Family Services**

Developmental Psychology of Children\*

**Engineering and Design**

Electrical Engineering

Engineering Design & Development (PLTW)\*

Introduction to Engineering

**Finance and Business**

Computerized Accounting\*

**Health, Science, and Medical Technology**

Biotechnology\*

**Hospitality, Tourism, and Recreation**

Culinary/Catering/Baking Careers\*

Hotel Careers\*

**Information Technology**

Computer Applications/Microsoft Office

Certification\*

Computer Systems Maintenance/Networking

Robotics Engineering Technology\*

**Public Services**

Introduction to Law\*

For more information and school's location visit ROP website: [www.cocoschools.org/rop](http://www.cocoschools.org/rop) or pick up an ROP brochure at your Counseling Center.

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# Course Descriptions - Career/Technical Education

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## Auto Technology

Auto technology develops knowledge of basic technical and operational aspects of automobile principles. Students receive both classroom and practical lessons in various systems that make up the modern automobile. Students will be using knowledge learned in other courses such as math and science in a real world application. Curriculum covered: shop orientation and safety; use of manuals; data retrieval systems; tools and equipment; preventative maintenance; troubleshooting, component operation; consumer information and the purchase of cars; parts, labor and tools/equipment. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

### Preferred Previous Course of Study:

N/A

Schools: A C L                      Grades: 10 11 12    Units: 10            UC/CSU     ROP

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## Architectural Design

Architectural Design is a course in which students will express themselves visually and be able to showcase their creativity. Instruction will be given in the following areas: elements of design, architectural history, technical drafting, sketching, and computer design. The course will give the students confidence in organizing ideas and the ability to work ideas into new useful creations and reinforce concepts and ideas learned in math, art and social science.

### Preferred Previous Course of Study:

N/A

Schools:                      L                      Grades: 9 10 11 12    Units: 10            UC/CSU     ROP

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## Architectural Design Advanced

Advanced Architectural Design introduces students to elements and principles of architectural, landscape and interior design. Students study site selection, room arrangement, construction methods, floor plans, foundation plans, framing plans, roof plans, elevations, three dimensional perspective views or models. Students will also use Computer-Assisted Drafting.

### Preferred Previous Course of Study:

Architectural Design

Schools:                      L                      Grades: 10 11 12    Units: 10            UC/CSU     ROP

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### Architectural Design (ROP)

Architectural Design-CAD ROP is a course in which students express themselves visually and are able to showcase their creativity. Instruction will be given in the following areas: elements of design, architectural history, sketching, model building and computer design. The course gives students confidence in organizing ideas, utilizing ideas in new and useful creations, and reinforces concepts and ideas learned in mathematics, art, and social science. Learn how to layout and develop pictorial drawings including floor plans, elevations, electrical plans, and roof plans using shading and shadowing techniques.

**Preferred Previous Course of Study:**  
Engineering Design

**Schools:** C                      **Grades:** 11 12    **Units:** 10            **UC/CSU**     **ROP**

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### Architectural Design-CAD 1

Architectural Design-CAD 1 is a course in which students express themselves visually and are able to showcase their creativity. Instruction will be given in the following areas: elements of design, architectural history, sketching, model building and computer design. The course gives students confidence in organizing ideas, utilizing ideas in new and useful creations, and reinforces concepts and ideas learned in mathematics, art, and social science. Learn how to layout and develop pictorial drawings including floor plans, elevations, electrical plans, and roof plans using shading and shadowing techniques.

**Preferred Previous Course of Study:**  
N/A

**Schools:** A                      **Grades:** 10 11 12    **Units:** 10            **UC/CSU**     **ROP**

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### Architectural Design-CAD 2

Architectural Design-CAD 2 continues to build on the knowledge learned in Architectural Design-CAD 1. The course provides an in-depth study of the elements and principles of architecture including landscape design and interior design. Students will study architectural styles, the history of architecture, and the technical elements of design. In addition, the course addresses environmental issues related to design such as green architecture and sustainable architecture.

**Preferred Previous Course of Study:**  
Architectural Design CAD 1

**Schools:** A                      **Grades:** 11 12    **Units:** 10            **UC/CSU**     **ROP**

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### Computer Assisted Drafting (CAD)

Students will learn CAD by using Auto CAD 2000, the industry standard for engineering, architecture and design. Students will learn to create fully dimensioned drawings, suitable for use as production drawing in the industry. The program prepares individuals to use a computer, computer software, and peripheral devices to create an image or drawing in the design and documentation of an object.

**Preferred Previous Course of Study:**  
Engineering Drawing

**Schools:** M                      **Grades:** 10 11 12    **Units:** 10            **UC/CSU**     **ROP**

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## Computer Applications

Computer Applications is an introductory computer course that will provide students with the opportunity to develop self-confidence, foster creativity, and develop skills that are important for success in college and entry level careers. Students gain basic skills in keyboarding, word processing, spreadsheets, presentation software, desktop publishing, and computer graphics. The students also learn elementary web design, multimedia, and animation skills.

### Preferred Previous Course of Study:

N/A

Schools: L Grades: 9 10 11 12 Units: 10 UC/CSU  ROP

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## AP Computer Science A

Computer Science A emphasizes object-oriented programming methodology with a focus on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

### Preferred Previous Course of Study:

Intro to Computer Programming

Schools: C Grades: 11 12 Units: 10 UC/CSU  ROP

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## Computer Technology-ROP

Introduction to computer technology and maintenance. Emphasis is on developing concepts in computer components, computer architecture, peripheral devices and basic troubleshooting skills. Includes instruction in digital applications, logic circuits and computer hardware. Students experience software and hardware diagnostics through hands-on activities.

### Preferred Previous Course of Study:

N/A

Schools: L Grades: 11 12 Units: 10 UC/CSU  ROP

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## Computer Technology Advanced

Students continue to develop concepts in computer technology and maintenance. Emphasis is on developing practical trouble-shooting skills. Students expand their experience in hardware and software diagnostics. Includes instructions in advanced digital applications and networks.

### Preferred Previous Course of Study:

Computer Technology

Schools: L Grades: 11 12 Units: 10 UC/CSU  ROP

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## Engineering and Design-CAD

Engineering and Design-CAD involves practical problem solving, research, development, and invention. It requires students to design, build, test, and evaluate quality systems and products that meet human needs. Focus is on the implementation and understanding of the engineering design process. Students will be challenged to develop creative solutions to a number of engineering problems through prototype/model building activities in the design lab. A variety of engineering occupations will be explored throughout the year. The first quarter students will be using the drawing boards and the rest of the year using Auto CAD software fundamentals.

### Preferred Previous Course of Study:

N/A

Schools: A Grades: 9 10 11 12 Units: 10 UC/CSU  ROP

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## Engineering Drawing

Engineering Drawing is a survey instructional program that prepares individuals to plan, prepare, and interpret mechanical and machine, architectural, civil, structural, piping, electric and electronic topographical, and other sketches; to use reproduction materials, equipment, and processes; and to develop, plan and process drawings. Also included in this course are elements of Architectural Design and Introduction to Computer-Aided Drafting.

### Preferred Previous Course of Study:

N/A

**Schools:** C M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Engineering Drawing-Advanced

A wide variety of drawing experiences will be offered to the second-year students. The program will cover gears and cams, primary and secondary geometric construction, auxiliary view, drawing intersection planes, review of orthographic projection, limited inking experience, revolutions, pencil tracing experience, sheet metal development on paper, vellum and mylar, solving word problems through pictorial representation, sketching and use of decimals in dimensioning.

### Preferred Previous Course of Study:

Engineering Drawing

**Schools:** C **Grades:** 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Electronics

Electronics Technology is the study of electricity in a modern world. Emphasis is placed on lab experiences using electronic test equipment. Students learn about the discovery of the electron, static and dynamic electricity, digital and solid-state electronics and experiment with electricity, electronic components and circuits design.

### Preferred Previous Course of Study:

N/A

**Schools:** L **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Electronics-Advanced

The fundamental principles developed in the first course are expanded through emphasis on digital and analog semiconductor circuits. Students will design and build simple transistor amplifiers and use integrated circuit technology to design and build simple logic circuits. Students will have the opportunity to learn about the operation of microprocessors and computers. Design and fabrication skills will be enhanced as students complete individual projects.

### Preferred Previous Course of Study:

Electronics

**Schools:** L **Grades:** 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Auto Technology, Advanced

Open to second and third-year auto students, this course offers instruction in advanced technology and practices, tune-up, emission control, power transmission, brakes, machine operations, diagnostics, computer controls suspension, steering, fuel systems and engine overhaul. There is prescribed amount of time allotted to class instruction; however, the great majority of time is spent in the shop on live vehicles. Students may enroll in one, two or even three periods. Students are encouraged to take two periods (20 units/year) to provide sufficient time to complete live hands-on projects. Since this course is funded by ROP, students may have an opportunity to take more courses than would normally be allowed. For third year students, a field study program at local automotive facilities is an additional option.

**Preferred Previous Course of Study:**  
Automotive Technology

**Schools:** A C L      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Wood Technology

Wood Technology provides students with the knowledge to safely operate and maintain both hand and power tools as well as woodworking machines. Throughout the year, students will complete several projects while learning the identification and use of tools, woods, and basic joinery and finishing techniques. Emphasis is placed on safety, responsibility, and cooperation.

**Preferred Previous Course of Study:**  
N/A

**Schools:** C L      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Wood Technology-Advanced

Advanced Wood Technology provides the student with the opportunity to further develop the skills learned in Wood Technology, with the addition of advanced joinery and finishing techniques, and the use of additional materials such as plastics, metals, and casting resins. Students will be encouraged to plan and develop projects of their own conception. Throughout the year, emphasis is placed on safety, responsibility, and cooperation.

**Preferred Previous Course of Study:**  
Wood Technology

**Schools:** C L      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Design/Fabrication Technology

Design and Fabrication Technology provides students with knowledge to safely operate and maintain hand and power tools as well as woodworking, plastic and metal machines as an introduction into the processes necessary to manufacture a product. This course is designed to show the inter-relationships between design, machinery, and fabrication. The course provides a broad range of applied basic skills and specific technical skills necessary to function in a highly-technological society and work place. The student will improve skills in drafting, machining and fabrication. The design process is examined as it relates to manufactured products. Topics also included are how to write specifications, how to control quality, understand tests and analysis, and work with prototypes. The student is given lab assignments to be completed on CAD software.

**Preferred Previous Course of Study:**  
N/A

**Schools:** A      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Work Experience Education

Work experience is a one-semester elective class combining paid employment experience with classroom instruction emphasizing an introduction to work necessary for job success and fulfillment and classroom training in employability skills. Students are employed and paid a standard wage at the job site while enrolled in a concurrent course at their high school. Students develop positive work habits, self-confidence, and job related skills which can be used to locate, secure, and retain employment in the community. Students must attend weekly related instruction meetings at their school, undertake lessons and activities, and acquire general and specific occupational skills through a combination of supervised paid employment and instruction. Regular job site visitations and supervision by the work experience coordinator is a fundamental part of the course. Students must be at least 16 years of age and concurrently employed a minimum of five hours per week in a paid position covered by workmen's compensation. Work Experience Education is only offered on the Las Lomas campus. Students at other campuses may consult with their counselor to pursue this option.

**Preferred Previous Course of Study:**

N/A

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**Schools:** L                      **Grades:** 12    **Units:** 10            **UC/CSU**     **ROP**

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### Intro to Computer Programming

Intro to Computer Programming is designed to provide the skills for an entry-level position in computer programming or provide a foundation for further studies in computer science at the college level. In this class, students learn Java, an object-oriented programming language. Instruction includes problem solving and algorithm development, data structures and design, and the use of logic and formal methods. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

**Preferred Previous Course of Study:**

Math level knowledge of Alg 2/Trig or above

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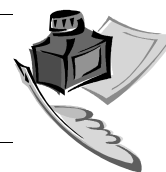
**Schools:** C            M                      **Grades:** 11 12    **Units:** 10            **UC/CSU**     **ROP**

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# Course Descriptions - English

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## English 1

English 1 focuses on the study of fiction and non-fiction/informational reading materials, including novels, short stories, plays, essays, poetry, and informational documents. There is an emphasis on the writing process, the development of listening and speaking skills, and vocabulary development.

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 9      **Units:** 10      **UC/CSU**       **ROP**

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## English 2

English 2 focuses on the more advanced study of fiction and non-fiction/informational reading materials, including novels, short stories, plays, essays, poetry, and informational documents. There is an emphasis on the writing process, the development of listening and speaking skills, and vocabulary.

### Preferred Previous Course of Study:

English 1

**Schools:** A C L M      **Grades:** 10      **Units:** 10      **UC/CSU**       **ROP**

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## English 3

English 3 focuses on the advanced study of traditional and contemporary American Literature and non-fiction/informational reading materials. There is an emphasis on writing, including response to literature, and reflective writing. Students will also develop speaking, listening and vocabulary skills.

### Preferred Previous Course of Study:

English 2

**Schools:** A C L M      **Grades:** 11      **Units:** 10      **UC/CSU**       **ROP**

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## English 3 Honors

Honors English 3 focuses on the advanced study of traditional and contemporary American Literature and non-fiction/informational reading materials. This course provides additional depth of study in the development of advanced writing, analysis, and literary criticism skills beyond that required within the English 3 curriculum. Students will also develop advanced speaking, listening, and vocabulary skills.

### Preferred Previous Course of Study:

English 2

**Schools:** A C L M      **Grades:** 11      **Units:** 10      **UC/CSU**       **ROP**

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## English 4

English 4 focuses on the advanced study of world literature and non-fiction, and prepares students for the rigor of college-level reading and writing. The course includes extensive writing, analysis of text, and literary criticism, as well as the development of speaking, listening and vocabulary skills.

### Preferred Previous Course of Study:

English 3

**Schools:** A C L M      **Grades:** 12      **Units:** 10      **UC/CSU**       **ROP**

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### AP English Literature & Composition

AP English Literature is designed to provide students with the abilities needed to be successful at the university level as skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. This course also develops skilled writers who can compose for a variety of purposes.

**Preferred Previous Course of Study:**

English 3

**Schools:** A C L M      **Grades:** 12    **Units:** 10      **UC/CSU**     **ROP**

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### English 4/WISE

English 4 focuses on the advanced study of world literature and non-fiction, and prepares students for the rigor of college-level reading and writing. The course includes extensive writing, analysis of text, and literary criticism, as well as the development of speaking, listening and vocabulary skills. WISE emphasizes real world, outside-of-the-classroom experience and is designed for the self-motivated student. This course meets the needs of seniors interested in an alternative to the 8th semester of traditional English 4 curriculum. As the district’s mission statement encourages, this course offers students the opportunity to “excel in a global society.” UC approval pending . (5 units per semester)

**Preferred Previous Course of Study:**

English 3

**Schools:** A                      M      **Grades:** 12    **Units:** 10      **UC/CSU**     **ROP**

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### Journalism 1-3

Journalism students will expand their English/Language Arts and visual arts skills through creating and publishing the school newspaper. Students are required to write monthly assignments for the newspaper and other class projects. They practice varied forms of journalistic writing including news, features, and sports stories, as well as reviews and editorials. Students learn laws and ethical standards related to journalism. In the process of writing their stories, laying out newspaper pages, and designing advertising, students learn to use specialized software for word processing, page layout, and graphic design. This course is designed for students who are interested in refining their writing skills as well as exploring careers in journalism. If the school site offers this course as an ROP course, the student must be in 16 in order to enroll. Pre-Requisites: Journalism 1: English 1 and teacher approval; Journalism 2: Journalism 1 and teacher approval; Journalism 3: Journalism 2 and teacher approval

**Preferred Previous Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 10 11 12    **Units:** 10      **UC/CSU**     **ROP**

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### Public Speaking 1

Introduction to Public Speaking, terminology, basic skills and techniques for presentation of both fiction and non-fiction. Considerable writing and use of modern library computer research required. A unit in mass media, film, and cinematography is included.

**Preferred Previous Course of Study:**

N/A

**Schools:**                      L      **Grades:** 9 10 11 12    **Units:** 10      **UC/CSU**     **ROP**

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### Public Speaking 2, 3, 4

Formal dissertations, in-depth analysis of fiction, non-fiction and current events, debate, panel discussions and strict speech criticism. Advanced writing and application of modern computer research required. A unit in mass media, film, and cinematography is included.

#### Preferred Previous Course of Study:

Public Speaking 1 or (Oral Interpretation at MHS)

Schools: L M Grades: 10 11 12 Units: 10 UC/CSU  ROP

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### Public Speaking/Creative Writing

Public Speaking students experience a variety of speaking situations and practice both formal and informal public speaking and debate. For Creative Writing the assumption is made that the student has creative ability in the literary field. Writing will include autobiography, fiction, drama, and poetry. This course is designed for students with above-average writing skills.

#### Preferred Previous Course of Study:

N/A

Schools: A Grades: 10 11 12 Units: 10 UC/CSU  ROP

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### Communication Studies/Creative Writing

Communications Studies is a semester-long course, exploring major cultural media such as radio, television, film, print, advertising and electronic. Students learn how to analyze the various manipulative/rhetorical techniques used. Students become critical thinkers who better discriminate misinformation. Writing and performance speaking will be used for assessment.

Creative Writing is a semester-long course in which students explore writing in a variety of genres including short story, poetry, essay, drama, and articles. Students are expected to peer edit, respond and revise. Students will also explore ways technology can enhance their writing. Course structure in AP Writer's Workshop format. Includes reading and publishing component.

#### Preferred Previous Course of Study:

Elective only

Schools: L Grades: 10 11 12 Units: 10 UC/CSU  ROP

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### English Language Development (ELD)

The English Language Development (ELD) program is for non- or limited English proficient students. The district-wide program is to help students close gaps in their English language proficiency so they can be successful in English Language Arts and other academic courses. The students are taught in concentrated, extended blocks of time: 3 periods a day for ELD 1 and 2, and 2 periods a day for ELD 3 and 4. Students move between levels during the school year, based on progress they make in English Language Arts proficiency. Instruction is focused to hone students' skills in the following areas: Listening, speaking, reading word analysis, reading fluency, systematic vocabulary development, reading comprehension, literary response and analysis, writing strategies and applications, and writing conventions.

#### Preferred Previous Course of Study:

N/A

Schools: L Grades: 9 10 11 12 Units: 10 UC/CSU  ROP

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# Course Descriptions - Mathematics



## Algebra A

Algebra A is a standards-based course designed for students to achieve District and State standards for the first semester of Algebra 1. This course emphasizes algebraic skill development and conceptual understanding while infusing instruction and support to further develop the foundational mathematical concepts and skills essential for success in Algebra. Students advance to Algebra B, a second full-year course in the Algebra sequence. Successful completion of Algebra A and Algebra B fulfills the Algebra 1 graduation requirement.

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 9 10 11      **Units:** 10      **UC/CSU**       **ROP**

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## Algebra B

Algebra B is a standards-based course designed for students to achieve District and State standards for the second semester of Algebra 1. This course emphasizes algebraic skill development and conceptual understanding while infusing instruction and support to further develop the foundational mathematical concepts and skills essential for success in Algebra. Successful completion of Algebra A and Algebra B fulfills the Algebra 1 graduation requirement.

### Preferred Previous Course of Study:

Algebra A

**Schools:** C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Algebra 1

Symbolic reasoning and calculations with symbols are central in algebra. Through the study of algebra, a student develops an understanding of the symbolic language of mathematics and the sciences. In addition, algebraic skills and concepts are developed and used in a wide variety of problem-solving situations.

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Geometry

Geometry focuses on skills and concepts that are useful to all students. In addition to learning geometry skills and concepts, students will develop their ability to construct formal, logical arguments and proofs in geometric settings and problems.

### Preferred Previous Course of Study:

Algebra I

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Geometry Honors

The geometry skills and concepts developed in this discipline are useful to all students. In addition to learning these skills and concepts, students will develop their ability to construct formal, logical arguments and proofs in geometric settings and problems.

### Preferred Previous Course of Study:

Algebra I

Schools: A C L M      Grades: 9 10 11 12      Units: 10      UC/CSU       ROP

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## Algebra 2

Algebra 2 complements and expands the mathematical concepts of Algebra I and Geometry. Students gain experience with algebraic solutions of problems including the solution of systems of quadratic equations, logarithmic and exponential functions, the binomial theorem and the complex number system.

### Preferred Previous Course of Study:

Algebra 1

Schools: A C L M      Grades: 10 11 12      Units: 10      UC/CSU       ROP

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## Algebra 2/Trigonometry

Algebra 2/Trigonometry complements and expands the mathematical concepts of Algebra I and Geometry. Students gain experience with algebraic solutions of problems including the solution of systems of quadratic equations, logarithmic and exponential functions, the binomial theorem and the complex number system. The course also applies algebraic and geometric concepts to trigonometric analyses.

### Preferred Previous Course of Study:

Algebra 1

Schools: A C L M      Grades: 10 11 12      Units: 10      UC/CSU       ROP

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## Algebra 2/Trig Honors

Algebra 2/Trigonometry Honors complements and expands the mathematical concepts of Algebra I and Geometry. Students gain experience with algebraic solutions of problems including binomial theorem and the complex number system. This course also applies algebraic and geometric concepts to trigonometric analyses. Algebra 2/Trigonometry Honors provides a greater depth of study beyond that of Algebra 2/Trigonometry.

### Preferred Previous Course of Study:

Algebra 1

Schools: A C L M      Grades: 10 11 12      Units: 10      UC/CSU       ROP

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## Math Analysis

Math Analysis combines many of the trigonometric, geometric, and algebraic techniques needed to prepare students for the study of calculus and strengthens their conceptual understanding of problems and mathematical reasoning in solving problems. The course takes a functional point of view toward those topics.

### Preferred Previous Course of Study:

Algebra 2

Schools: A C L M      Grades: 11 12      Units: 10      UC/CSU       ROP

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## Pre-Calculus

Pre-Calculus combines many of the trigonometric, geometric and algebraic techniques needed to prepare students for the study of calculus and strengthens their conceptual understanding of problems and mathematical reasoning in solving problems. This course takes a functional point of view toward these topics. The most significant new concept in this course is that of limits.

### Preferred Previous Course of Study:

Algebra2/Trig

Schools: A C L M      Grades: 11 12      Units: 10      UC/CSU       ROP

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## AP Statistics

This college level introductory course in statistics is designed to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students interested in pursuing college majors in the social services, health services and business will benefit from this course.

### Preferred Previous Course of Study:

PreCalculus

Schools: A C L M      Grades: 10 11 12      Units: 10      UC/CSU       ROP

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## AP Calculus AB

AP Calculus AB completes a college curriculum in variable calculus. The course focuses on developing the student's understanding of the concepts of calculus and providing experience with its methods and applications. The themes of derivatives, integrals, limits, approximation and applications and modeling are used to present a cohesive whole in the study of calculus.

### Preferred Previous Course of Study:

Pre-Calculus or Honors Algebra II/Trig

Schools: A C L M      Grades: 11 12      Units: 10      UC/CSU       ROP

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## AP Calculus BC

AP Calculus BC completes a college curriculum in variable calculus. This course focuses on developing the student's understanding of the concepts of calculus and providing experience with its methods and applications. The themes of derivatives, integrals, limits, approximation and applications and modeling are used to present a cohesive whole in the study of calculus. This course also includes the study of polynomial approximations and series.

### Preferred Previous Course of Study:

Advanced Placement Calculus AB

Schools: A C L M      Grades: 12      Units: 10      UC/CSU       ROP

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## Intro to Computer Programming

Intro to Computer Programming is designed to provide the skills for an entry-level position in computer programming or provide a foundation for further studies in computer science at the college level. In this class, students learn Java, an object-oriented programming language. Instruction includes problem solving and algorithm development, data structures and design, and the use of logic and formal methods. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

### Preferred Previous Course of Study:

Math level knowledge of Alg 2/Trig or above

Schools: C M      Grades: 11 12      Units: 10      UC/CSU       ROP

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## AP Computer Science A

Computer Science A emphasizes object-oriented programming methodology with a focus on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

### Preferred Previous Course of Study:

Intro to Computer Programming

**Schools:** C                      **Grades:** 11 12   **Units:** 10   **UC/CSU**    **ROP**

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# Course Descriptions

## Physical Education



### PE 9 / Health

The 9th grade Physical Education/Health course is designed to introduce students to a variety of activities that will build a foundation for making appropriate choices for physical well-being and fitness. Students will also fulfill the health requirement for graduation. Health education, approximately 25% of the instructional time, is integrated within the course and physical education learning activities.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 9      **Units:** 10      **UC/CSU**       **ROP**

### PE 10

The 10th grade Physical Education course is designed to introduce students to a variety of sports and physical activities. It will expand upon the foundation provided in the 9th grade for making appropriate choices for physical well-being and fitness.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 10      **Units:** 10      **UC/CSU**       **ROP**

### PE Lifetime Sports Activities

This course will involve experiences in a variety of individual sports activities such as tennis, badminton, golf, yoga/Pilates, horseshoes, Frisbee sports, Pickle Ball and other miscellaneous sports while providing an understanding of the importance of maintaining a health-enhancing level of physical fitness.

**Preferred Previous Course of Study:**

N/A

**Schools:** M      **Grades:** 11 12      **Units:** 5      **UC/CSU**       **ROP**

### PE Weight Training

In Weight Training, students will learn the fundamentals of weight training with emphasis on body development and maintenance as well as safety factors involved in strength conditioning.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 11 12      **Units:** 5      **UC/CSU**       **ROP**

### PE Yoga, Pilates & Fitness Training

This course provides an exercise experience using a non-competitive approach. The primary physical activities involve experiences in yoga, Pilates and other whole-life fitness programming. Students will establish a set of personal fitness goals. One course goal is to harmonize the body, mind, and spirit through a combination of physical movement, yoga postures, breathing and biofeedback techniques.

**Preferred Previous Course of Study:**

N/A

**Schools:** A M      **Grades:** 11 12      **Units:** 5      **UC/CSU**       **ROP**

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# Course Descriptions - Science



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## Biology

Biology is a study of life. Emphasis is placed on laboratory investigations that serve to introduce the concepts essential to the understanding of living things. Relationships in biochemical, cellular, and individual and community levels are explored in detail.

### Preferred Previous Course of Study

N/A

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**  **ROP**

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## Chemistry

Chemistry is the study of matter and how it changes. Students investigate the course material through lab work, problem sets, projects and demonstrations. Students will be exposed to practical applications of scientific concepts.

### Preferred Previous Course of Study

Biology and Geometry is recommended

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**  **ROP**

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## Geology

Geology is designed to help students understand the relationship of man and the physical environment. Students will investigate geologic phenomena and acquire laboratory skills involving mineral and rock identification, geophysics, geomorphology, geologic history, mapping, plate tectonics, astronomy, oceanography and meteorology.

### Preferred Previous Course of Study

Biology

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**  **ROP**

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## Physics

Physics is the study of different forms of energy and the physical changes which they produce in matter. The course focuses on mathematical models and laboratory study of the principles of motion, forces, energy, heat, sound, light, and electricity and magnetism.

### Preferred Previous Course of Study

Algebra 2

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**  **ROP**

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## Physics Honors

Honors Physics provides a greater depth of study beyond that of Physics. Enhanced study requiring more involved mathematics concepts includes different forms of energy and the physical changes which they produce in matter. There are foci on mathematical models and laboratory study of the principles of motion, forces, energy, heat, sound, light, and electricity and magnetism.

### Preferred Previous Course of Study

Chemistry and Algebra 2/Trigonometry

**Schools:** A      **Grades:** 11 12      **Units:** 10      **UC/CSU**  **ROP**

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## Physiology

Physiology is the in-depth study of the human body, its construction and functions. Extensive laboratory experiences will focus on the application of course content to the fields of medicine, nursing, and physical fitness.

### Preferred Previous Course of Study

Biology and either Chemistry or Geology

Schools: A C L M      Grades: 11 12      Units: 10      UC/CSU  ROP

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## Biotechnology

Biotechnology instructs students in the laboratory techniques and basic concepts of the field of bioscience. Included are DNA labs, making gels for electrophoresis, bacteriological techniques such as plating, culturing strains of bacteria and manipulating the DNA to achieve transformation of the colonies, determining and making solutions, and microscopic techniques such as oil-emersion and staining of various types of tissue. Instruction in DNA theory, ethics, and technology and society will be included to acquaint students with this rapidly developing field. Students will conduct individual and team research projects and use effective technical writing to express the results of their work. Sound laboratory procedures and safety will be stressed. Students will use and analyze research publications and scientific literature. Opportunities for post-secondary education will be explored and students will gain a broad awareness of both scientific and technological career paths.

### Preferred Previous Course of Study

Biology and either Chemistry or Geology

Schools: A C M      Grades: 11 12      Units: 10      UC/CSU  ROP

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## Environmental Science

Environmental Science is an elective integrated science course which provides students with the scientific principles, concepts, methodologies and experiences required to understand the inter-relationships of the natural world, identify and analyze both natural and man-made environmental problems, evaluate risks associated with these problems, and to examine alternative solutions for resolving and/or preventing these problems. This is a lab course. Students utilize modern technological equipment as well as the campus as a living laboratory.

### Preferred Previous Course of Study

Biology and either Chemistry or Geology

Schools: A C      Grades: 11 12      Units: 10      UC/CSU  ROP

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## AP Biology

AP Biology generally includes topics regularly covered in a college biology course for science majors. 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 of science as a process. The primary emphasis in the course is on developing deep understanding of biological concepts and unifying themes. The course will promote scientific inquiry and apply biological knowledge to environmental and social concerns.

### Preferred Previous Course of Study

Biology and Chemistry

Schools: A C L M      Grades: 11 12      Units: 10      UC/CSU  ROP

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## AP Chemistry

This course is designed to be the equivalent of the general chemistry course taken during a student's first years in college. Successful students will attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. The course will contribute to the development of a student's abilities to think clearly and to express ideas, orally and in writing, with clarity and logic. The course emphasizes chemical calculations and the mathematical formulation of principles with the appropriate supportive labs provided for students.

### Preferred Previous Course of Study

Chemistry and Algebra 2/Trig

Schools: A C L M      Grades: 11 12      Units: 10      UC/CSU  ROP

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## AP Physics B

This course provides a systematic introduction to the main principles of physics and emphasizes the development of conceptual understanding and problem-solving ability using algebra and trigonometry. AP Physics is designed as an introductory college-level physical science course.

### Preferred Previous Course of Study

Physics and/or Chemistry and Algebra 2/Trig

Schools: C L      Grades: 11 12      Units: 10      UC/CSU  ROP

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## AP Physics C

This course ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. The sequence is parallel to or preceded by mathematics courses that include calculus. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. The sequence is more intensive and analytic than that in the B course. Strong emphasis is placed on solving a variety of challenging problems, some requiring calculus. The subject matter of the C course is principally mechanics and electricity and magnetism, with approximately equal emphasis on these two areas. The C course is the first part of a sequence which in college is sometimes a very intensive one-year course but often extends over one and one-half to two years, with a laboratory component.

### Preferred Previous Course of Study

Physics and/or Chemistry and Algebra 2/Trig

Schools: M      Grades: 11 12      Units: 10      UC/CSU  ROP

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## AP Environmental Science

AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

### Preferred Previous Course of Study

Algebra 1, Biology and either Chemistry or Geology

Schools: A C M      Grades: 11 12      Units: 10      UC/CSU  ROP

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### **Analytical Forensic Science-ROP**

In this class, emphasis is on understanding the underlying scientific theories of forensic science. The class will build upon the student's prior knowledge of biology and chemistry, using analytical chemistry techniques to analyze and identify trace evidence, including DNA. Students will evaluate the constituents of materials by organic, inorganic, and biochemical analysis, and use their academic and laboratory skills to develop a deeper understanding of science.

A sound foundation in the scientific principles underlying the laboratory techniques is crucial to the education of a forensic scientist. This class prepares students to further their science education at the university level, and introduces them to the possibilities of a science related career. Integrated throughout the course are career preparation standards which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology and employment literacy.

#### **Preferred Previous Course of Study**

Algebra, Biology and Chemistry

**Schools:** L                      **Grades:** 11 12    **Units:** 10    **UC/CSU**  **ROP**

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# Course Descriptions - Social Science



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## World History/Geography

World History and Geography is a study of the development of the modern world from 1750 to the present. The course focuses on the rise of democratic ideas with an emphasis on the following: Industrial Revolution, Imperialism, Colonialism, Nationalism, Totalitarianism, and World War I and II. The course also includes a focus on modern world crises and the historical interactions of regions of the world through a detailed study of China, Japan, India, Middle East and Latin America. Social studies research, analysis and writing skills are also emphasized.

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 9 10      **Units:** 10    **UC/CSU**     **ROP**

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## US History

United States History examines the history of the United States from 1865 to the present. The course focuses on key themes and turning points in American history in the 19th and 20th centuries, including ideological origins, economic, political and social change, civil rights, and domestic and foreign policy. Also, social studies research, analysis and writing skills are emphasized.

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 11      **Units:** 10    **UC/CSU**     **ROP**

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## US Government

U.S. Government is a study of the institutions of American government. The course focuses on the executive, judicial and legislative branches of the federal government, the election process, and political parties. There is an emphasis on the concepts of constitutionalism, representative democracy, separation of powers, checks and balances, and federalism. (Taken with one semester of Economics)

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 12    **Units:** 5    **UC/CSU**     **ROP**

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## Economics

Economics is a study of the operations and institutions of economic systems. Areas of study include supply and demand, inflation and recession, money and credit, the banking system, labor and wages, managing the nation's economy, and economic theory. (Taken with one semester of U.S. Government)

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 12    **Units:** 5    **UC/CSU**     **ROP**

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## Contemporary Issues & Public Policy

This course encourages critical thought on contemporary issues and is divided into the following areas: Life and Health Issues, Discrimination Issues, Constitutional Issues, Global Issues, Cultural Issues and Frameworks, Public Speaking and Persuasive Writing Skills, and Connections, Conflicts, and Meaningful Solutions. Each area of study includes a film that relates to the general issue. It will provide students an opportunity to identify and evaluate political, cultural, and economic issues on a local, state, national, and international level. A variety of current news media are used to help students learn how contemporary social issues affect them and an emphasis is placed on their role as constructive citizens in an interdependent world.

### Preferred Previous Course of Study:

N/A

**Schools:** A C                      **Grades:** 10 11 12   **Units:** 10   **UC/CSU**    **ROP**

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## Law and Society

Law and Society will involve students actively in conflict resolution through traditional legal models as well as alternative models of problem solving. Content will include the scope of traditional American law (criminal, tort, consumer, family, housing, and individual rights) as well as concepts and comparisons using international legal situations. Global law will be stressed. Problem-centered curriculum, rather than a content-centered base, will promote critical analytical thinking. Mock trials, simulations, and role-playing will be dominant modes of interaction. Socratic dialogue will engage the student actively in the classroom.

### Preferred Previous Course of Study:

N/A

**Schools:** C M                      **Grades:** 10 11 12   **Units:** 10   **UC/CSU**    **ROP**

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## Psychology

This course is an introductory study of the psychological domains: research methods, bio-psychological, cognitive, developmental, and social. It is research oriented in approach, introducing students to the systematic study of behavioral and mental processes.

Campolindo: Grades 10-12

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M                      **Grades:** 12   **Units:** 10   **UC/CSU**    **ROP**

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## AP US History

AP U.S. History is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in a college-level United States history course. Students will learn to assess historical materials including their relevance to a given interpretive problem, their reliability, and their importance, as well as to weigh the evidence and interpretations presented in historical scholarship.

### Preferred Previous Course of Study:

World History

**Schools:** A C L M                      **Grades:** 11   **Units:** 10   **UC/CSU**    **ROP**

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### AP Government & Politics Comparative

This course introduces students to fundamental concepts used by political scientists to study the processes and the outcomes of politics in a variety of country settings. AP Comparative Government and Politics aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. (Taken with one semester of Economics)

**Preferred Previous Course of Study:**

N/A

**Schools:** A C                      **Grades:** 12   **Units:** 5   **UC/CSU**    **ROP**

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### AP Government & Politics US

This course provides an analytical perspective on government and politics in the United States. AP Government and Politics involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. political reality. (Taken with one semester of Economics)

**Preferred Previous Course of Study:**

N/A

**Schools:** L                      **Grades:** 12   **Units:** 5   **UC/CSU**    **ROP**

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### AP European History

This course which studies European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. The goals of European History are to develop an understanding of some of the principal themes in modern European History, an ability to analyze historical evidence and historical interpretation, and an ability to express historical understanding in writing.

**Preferred Previous Course of Study:**

World History

**Schools:** A C L M                      **Grades:** 10 11 12   **Units:** 10   **UC/CSU**    **ROP**

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### AP Human Geography

Human Geography is the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's environments. Students employ spatial concepts and landscape analysis to analyze human and social organization and its environmental consequences.

**Preferred Previous Course of Study:**

World History and Geography

**Schools:** L                      **Grades:** 10 11 12   **Units:** 10   **UC/CSU**    **ROP**

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### AP Psychology

This course introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

**Preferred Previous Course of Study:**

N/A

**Schools:** C L                      **Grades:** 11 12   **Units:** 10   **UC/CSU**    **ROP**

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# Course Descriptions

## Visual and Performing Arts



### Art 1

Art 1 is a skills-based course in which students develop artistic perception, learn art history/cultural context and develop aesthetic valuing skills through drawing, painting and printmaking. Students create original artworks, using new and traditional media and techniques, as well as keeping a sketchbook/journal, doing outside gallery visits and reviews, and oral and written critiques of student, historical and contemporary artists. Students also are required to maintain portfolios of all their projects/assignments.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

### Art 2

Art 2 emphasizes visual problem solving and personal expression through which students continue to develop skills and knowledge of artistic perception, art history/cultural context and aesthetic valuing skills. Students continue to develop their drawing, painting, and printmaking skills. Students create original artworks, using new and traditional media and techniques, as well as keeping a sketchbook/journal, doing outside gallery visits and reviews, and oral and written critiques of student, historical and contemporary artists. Students also are required to maintain portfolios of all their projects/assignments.

**Preferred Previous Course of Study:**

Art 1

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

### Advanced Art

Advanced Art students work at an advanced skill level in a variety of two-dimensional and three-dimensional media. Creative experimentation with media and subject matter is encouraged. Special talents and interest in the arts and art-related fields are addressed. Students participate in the exhibition of their work.

**Preferred Previous Course of Study:**

Art 2

**Schools:** A C L      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

### Advanced Art-Honors

Advanced Art students work at an advanced skill level in a variety of two-dimensional and three-dimensional media. Creative experimentation with media and subject matter is encouraged. Special talents and interest in the arts and art-related fields are addressed. Students participate in the exhibition of their work. Students who enroll in the Honors option will engage in advanced analysis and critiques of art and artists, prepare written reports and develop a personal portfolio.

**Preferred Previous Course of Study:**

Art 2

**Schools:** A C L M      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

## Independent Art Portfolio

Students work at an advanced skill level in producing an independent portfolio of two-dimensional and/or three-dimensional works. Students choose an artistic concern/theme to serve as the focus of their work. Students are required to collaborate with the teacher to do outside gallery visits and reviews, as well as oral and written critiques of historical and contemporary artists.

### Preferred Previous Course of Study:

Advanced Art or Advanced Art, Honors

**Schools:** A C M **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Studio Art AP

This course is designed to encourage creative and systematic investigation of formal and conceptual issues, while placing an emphasis on making art as an ongoing process that involve the student in informed and critical decision making. AP Studio Art helps students develop technical skills and familiarize them with the functions of the visual elements. Students are encouraged to become independent thinkers who will contribute inventively and critically to their culture through the making of art.

### Preferred Previous Course of Study:

Advanced Art

**Schools:** C L M **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## 3D ART 1

Students in 3-D Art 1 participate in the design and creation of simple projects that will include but not be limited to: glass, metals, enamels, clay, soapstone, plaster and mixed media. They will be instructed in the safe operation of power tools, hand tools and machinery while creating original works of art, both functional and aesthetic.

### Preferred Previous Course of Study:

N/A

**Schools:** L M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## 3D ART 2

Students in 3-D Art 2 will participate in the design and creation of intermediate projects that will include but not be limited to: glass, metals, enamels, clay, soapstone, plaster and mixed media. They will be instructed in the safe operation of power tools, hand tools and machinery while creating original works of art both functional and aesthetic. In addition, second-year students will begin a concentration in a material or process of their choice. Students also will explore in greater depth the works of specific artists, movements or cultural styles.

### Preferred Previous Course of Study:

3D Art 1

**Schools:** L M **Grades:** 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## 3D ART 3

3D Art 3 students participate in the design and creation of original works of 3-D art, both functional and aesthetic. In addition, third-year students will concentrate in a material or process of their choice developing a portfolio of their own work. Students also will continue to explore in greater depth the works of specific artists, movements or cultural styles. Students will curate a show of their own work or others' work.

### Preferred Previous Course of Study:

3D Art 2

**Schools:** L M **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### 3D ART 4

3-D Art 4 students will participate in the design and creation of original works of 3-D art both functional and aesthetic. In addition, fourth-year students will concentrate in a material or process of their choice. They will develop a comprehensive portfolio of their own work. Students will also continue to explore in greater depth the works of specific artists, movements or cultural styles. Students will curate a show of their own work and the works of others.

**Preferred Previous Course of Study:**

3-D Art 3

**Schools:** L **Grades:** 12 **Units:** 10 **UC/CSU**  **ROP**

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### Photo/Digital Design

Photography/Digital Design is a college-preparatory, interdisciplinary approach to visual arts and the humanities. The class enables students to achieve an understanding and appreciation of artistic expression and to write and discuss with discrimination about photography as applied to themes in the humanities and history. Course work will emphasize student-created photographic art works as well as analytical reading, writing, and critiques. Substantial outside reading and research on individual biographies of historic and contemporary photographers, as well as written reviews of works of photographers, will be required. Students will analyze photographic works through discussion or writing using the appropriate vocabulary for describing techniques and aesthetic qualities.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C M **Grades:** 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Digital Photography Advanced

In this second-level photography course students will achieve the five major Standards of the California Arts curriculum at an expert or more proficient level. The course will provide students with opportunities to extend and advance their knowledge and skills in the field of photography. This course will familiarize the student with advanced photographic equipment, materials, methods and the digital processes. Also, students will focus on the history of photography and photographers studying and emulating a variety of photographic styles. If the school offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

**Preferred Previous Course of Study:**

Photography/Digital Design

**Schools:** A C M **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Studio Art Photo AP

This course is designed to develop student mastery in the concept, composition and execution of their two-dimensional works in photography and 2-D design. Students will have the opportunity to produce a two-dimensional portfolio fulfilling the requirements as set by The College Board for Studio Art AP. The portfolio has specific requirements which include: Section I--Quality, excellence demonstrated in original art works; Section II--Concentration, an in-depth, personal commitment to a particular artistic concern; Section III--Breadth shows a variety of experiences in using the formal, technical and expressive means available to an artist.

**Preferred Previous Course of Study:**

Digital Photography Advanced

**Schools:** C **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Architectural Design (ROP)

Architectural Design-CAD ROP is a course in which students express themselves visually and are able to showcase their creativity. Instruction will be given in the following areas: elements of design, architectural history, sketching, model building and computer design. The course gives students confidence in organizing ideas, utilizing ideas in new and useful creations, and reinforces concepts and ideas learned in mathematics, art, and social science. Learn how to layout and develop pictorial drawings including floor plans, elevations, electrical plans, and roof plans using shading and shadowing techniques.

### Preferred Previous Course of Study:

Engineering Design & CAD

**Schools:** M      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Digital Design 1

Digital Design 1 students study traditional art and design principles while using new media (computers, digital cameras, scanners, etc.) to produce their own original design projects. In this hands-on studio class, students learn to use the computer as a tool to draw illustrations, manipulate graphics, and create a broad range of design projects.

### Preferred Previous Course of Study:

N/A

**Schools:** A L      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Digital Design 2

Students in this second-level digital design course demonstrate an advanced understanding and appreciation of artistic expression to produce digital design projects. Using professional grade software, students use design principles, typography, and desktop publishing, as well as advanced skills and techniques to visually communicate meaning and imagination. UC Approval pending.

### Preferred Previous Course of Study:

Digital Design 1

**Schools:** A      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Digital Arts/Web Design

Digital Arts/Designs for the Web is a college-preparatory, visual-arts course that integrates the California Visual Arts Standards and content areas in the humanities. This class will enable students to achieve an advanced understanding and appreciation of artistic expression and to use that expression to supplement and enhance communication. Students will apply the standards outlined in the California Visual and Performing Arts Framework by creating original digital arts projects using contemporary media techniques. Substantial outside research and reading are a part of the course curriculum. Students are required to keep design journals, critique their work and the works of others, maintain portfolios of their artwork and writing, and complete a research paper. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

### Preferred Previous Course of Study:

N/A

**Schools:** L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Video Production 1

Video Production 1 is a college-preparatory, interdisciplinary approach to the visual arts. This course builds on student's proficiency in photography, creative writing, and design concepts. The class integrates research and writing techniques with artistic creation and expression as outlined in the California Visual and Performing Arts Framework. Students achieve an advanced understanding and appreciation of video used as a tool in artistic expression. Students integrate, create and communicate artistic design using video production techniques.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Video Production 2

Video Production 2 is organized around the five major standards of the California arts curriculum. Students will study and research film genres in order to understand the complexity of video art and its role in film history. As each standard is introduced, students will apply and practice the principles learned in that standard through a major course project. Each project will require the application of sophisticated videography techniques as outlined in the arts standards. The course projects will be included in the student's cumulative portfolio. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

**Preferred Previous Course of Study:**

Video Production 1

**Schools:** A C M **Grades:** 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Video Production 3 ROP

Video Production 3 is an advanced video studies course that will draw upon the advanced video editing techniques learned in Video Production 1 and 2 while investigating new areas uncovered in the lower levels. Students will analyze the power of advertising by researching advertising techniques, target audiences and a variety of ads, learning to identify specific advertising techniques. They will examine the personal vision and belief systems of directors, specifically how a director incorporates political and religious beliefs into a film narrative. Also, students will analyze the changing treatment of race and gender in film and television through the years, reflecting upon how their depiction reflects the attitudes of society; study specific video techniques, such as set lighting, acting methods for the camera, differing video editing styles of diverse directors, and manipulation of more difficult software, including Garage Band, Adobe Go Live, Final Cut Pro, MPEG Streamclip, Adobe Image Ready, and Audacity.

**Preferred Previous Course of Study:**

Video Production 2

**Schools:** C **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Drama 1

Drama 1 offers the new and continuing theatre student the opportunity to gain experience in dramatic arts through acting, technical theatre, and an exploration of theatre within an historical and cultural context. The student will develop skills in creative self-expression using a variety of methods. The student also will evaluate the informal and formal works of their own and others through both discussion and writing. The course provides an opportunity to develop competence in problemsolving, communication skills, self-confidence, and self-discipline contributing to life-long learning and career skills.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C L M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Drama 2

Drama 2 offers the continuing theatre student the opportunity to gain additional experience in dramatic arts through acting, technical theatre, and an exploration of theatre within an historical and cultural context. As a participant in a collaborative process, the student will continue to develop skills in creative self-expression using a variety of methods. The student also will evaluate the informal and formal work of their own and others through discussion and writing. The course provides an opportunity to further develop skills in problem solving, communication, self-confidence, and self-discipline contributing to life-long learning and career opportunities.

### Preferred Previous Course of Study:

Drama 1

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Drama-Advanced

Advanced Drama offers the advanced theatre student the opportunity to gain additional experience in dramatic arts through acting, technical theatre, and an exploration of theatre within an historical and cultural context. As a participant in a collaborative process, the student will continue to develop skills in creative self-expression using a variety of methods at the advanced level. The student will also evaluate the informal and formal work of their own and others through both discussion and writing. The course provides an opportunity to develop competence in problem-solving, communication skills, self-confidence, and self-discipline contributing to life-long learning and career skills.

### Preferred Previous Course of Study:

Drama 2

**Schools:** A C L M      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Stagecraft

This year of study is devoted to developing a firm foundation in technical theatre. We will be studying all technical aspects of the production process. Units of study will include dramaturgy, design, set construction, props, lighting, sound, costume and make-up, and theater management. Students must pass an OSHA theater safety test in the first weeks of the course before operating equipment. Because of the nature of technical theatre this class requires 35 hours, minimum, after-school work per semester.

### Preferred Previous Course of Study:

Drama 1

**Schools:** A L      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Oral Interpretation

Oral Interpretation is the art of reading, researching, analyzing, interpreting, and performing through the use of voice and body. This course will offer students opportunities to interpret published works as well as to study rhetoric to create and enhance their own works for performance. Students also will be critically assessing and analyzing oral interpretations by professional performers and speakers. The course offers students an opportunity to perform outside the classroom at community and school-sponsored events. This course teaches life-time skills in a performance-based setting.

### Preferred Previous Course of Study:

N/A

**Schools:** M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Choral Performance 1 (Mixed Chorus)

Choral Performance 1 is a beginning to intermediate choral group which performs many times throughout the year. Music of many styles, from renaissance through contemporary will be performed. In addition, basic training in music reading, vocal and breathing techniques, and music appreciation will be included. Although intended primarily as an introductory choir, experienced singers are also welcome.

#### Preferred Previous Course of Study:

N/A

Schools: L M Grades: 9 10 11 12 Units: 10 UC/CSU  ROP

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### Choral Performance 1 (Chorale)

Choral Performance 1 is a beginning to intermediate choral group which performs many times throughout the year. Music of many styles, from renaissance through contemporary will be performed. In addition, basic training in music reading, vocal and breathing techniques, and music appreciation will be included. Also, although intended primarily as an introductory choir, experienced singers are welcome.

#### Preferred Previous Course of Study:

N/A

Schools: A C Grades: 9 10 11 12 Units: 10 UC/CSU  ROP

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### Choral Performance 2 (M/W Ensemble)

Choral Performance 2 is a beginning to intermediate vocal music course. Students will further develop their knowledge of music fundamentals, vocal technique, sight-reading, and historical and cultural perspectives of choral music. Members will perform a variety of repertoire from different historic periods and cultures from two, three, and four-part selections for voices.

#### Preferred Previous Course of Study:

Choral Performance 1

Schools: A C M Grades: 9 10 11 12 Units: 10 UC/CSU  ROP

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### Choral Performance 3 (Concert Choir)

Choral Performance 3 is an intermediate vocal music course. Students will expand their mastery of music fundamentals, vocal technique, sight-reading, and historical/cultural perspectives of choral music. Members will perform four-part mixed voiced music from a variety of genres. Members also will be eligible to participate in the spring musical production.

#### Preferred Previous Course of Study:

Choral Performance 2

Schools: A C M Grades: 11 12 Units: 10 UC/CSU  ROP

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### Choral Performance 4 (Choral Ensemble)

Choral Performance 4 is an advanced ensemble. Students will show understanding and mastery of music theory, sight-reading, and appropriate performance styles. Members will perform advanced literature from the repertoire of choral music and have many opportunities for performing in school and in the community. Students will be expected to undertake leadership and administrative roles.

#### Preferred Previous Course of Study:

Choral Performance 3; audition required

Schools: C Grades: 10 11 12 Units: 10 UC/CSU  ROP

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## Choral Performance 4 (Chamber Singers)

Choral Performance 4 is an advanced ensemble. Students will show understanding and mastery of music theory, sight-reading, and appropriate performance styles. Members will perform advanced literature from the repertoire of choral music and have many opportunities for performing in school and in the community. Students will be expected to undertake leadership and administrative roles.

### Preferred Previous Course of Study:

Choral Performance 3, audition required

**Schools:** A C M **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Dance 1

Dance I is a beginning class for the student who has had little or no background training in dance. Students with past dance experience will have an opportunity to build on the knowledge and skills already acquired. In this class students will be studying the movement vocabulary, technique and history of ballet, jazz, tap, modern dance and world cultures. As their knowledge of dance elements expands, students will progress into improvisational work as well as choreography. Students will have a variety of performance opportunities throughout the year, including the school musical. Students will learn to analyze and critique choreography and dance performances. They will describe, discuss, contrast, compare and defend their personal preferences about the aspects of the performances in class and outside of class. Injury prevention, health, and diet for the dancer will be included in the course work.

### Preferred Previous Course of Study:

N/A

**Schools:** A M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Advanced Dance

Advanced Dance is a class for experienced dancers. In this class students will continue to study and refine the movement vocabulary, technique and history of ballet, jazz, tap, modern dance and world cultures. As their knowledge of dance elements expands the students will deepen their exploration into improvisational work as well as choreography. Students will have a variety of performance opportunities throughout the year, including the school musical. Students will learn to analyze and critique choreography and dance performances. They will describe, discuss, contrast, compare and defend their personal preferences about the aspects of the performances in class and outside of class. Injury prevention, health, and diet for the dancer will be included in the course work.

### Preferred Previous Course of Study:

Dance 1

**Schools:** A **Grades:** 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Concert Band

Concert Band is open to all students. There will be continued development of instrumental techniques and ensemble skills through the study of outstanding repertoire for Concert Band. The preparation process is the important component of the program, in that the performance of each student in the instrumental class is critically important to, and affects the performance of, every other student in the class.

### Preferred Previous Course of Study:

Audition required; minimum one year prior instruction, able to read music

**Schools:** A C L M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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## Jazz Ensemble

Jazz Ensemble is a selective and specialized course designed to offer the qualified instrumentalist the opportunity to study and perform a variety of jazz styles. Emphasis is on learning improvisation as well as advanced music reading. This group is involved in several performances throughout the community. The preparation process is the important component of the program, in that the performance of each student in the instrumental class is critically important to, and affects the performance of, every other student in the class.

### Preferred Previous Course of Study:

Audition

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Orchestra

Orchestra offers the opportunity for string players to study and perform music of many styles and musical periods, develop techniques, and participate in a variety of group and ensemble experiences. The preparation process is the important component of the program, in that the performance of each student in the instrumental class is critically important to, and affects the performance of, every other student in the class.

### Preferred Previous Course of Study:

Previous experience on a string orchestra instrument

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Symphonic Band

Symphonic Band performances introduce the more qualified instrumentalist to advanced and challenging band literature of several styles and musical periods. The band performs for several school and community activities throughout the year and offers a wide range of musical and social activities. The preparation process is the important component of the program, in that the performance of each student in the instrumental class is critically important to, and affects the performance of, every other student in the class. Students must have prior experience on a woodwind, brass or percussion instrument.

### Preferred Previous Course of Study:

N/A

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## Wind Ensemble

Wind Ensemble is an advanced performance group with specific instrumentation that includes woodwinds, brass, and percussion instruments. Emphasis is on sound performance fundamentals including embouchure, seating position, breathing and sight reading. This class concentrates on musical development and the development of leadership skills. Students perform as individuals, as members of small ensembles, and as members of the large ensemble. They study advanced instrumental techniques, performing practices and style and form as it relates to various idioms of selected advanced literature. Performance requirements include concerts, music festivals, some football games, and community events.

### Preferred Previous Course of Study:

Audition

**Schools:**                      L      **Grades:**                      11 12      **Units:** 10      **UC/CSU**       **ROP**

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## AP Music Theory

This course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Foundational skills are achieved by addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. These skills lead to creative tasks, such as the harmonization of a melody by selecting appropriate chords. If the school site offers this course as an ROP course, the student must be in 11th or 12th grade in order to enroll.

### Preferred Previous Course of Study:

Ability to read music

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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# Course Descriptions - World Languages



## French 1

This introductory course in foreign language provides students who have no prior training in the language an opportunity to develop basic listening, speaking, writing, and reading skills. In addition to functional language skills, students are provided an introduction to the culture of countries whose language they are studying.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## French 2

This second-year language course enables students to develop intermediate proficiency in the language skills of listening, speaking, writing, and reading. Students also develop an increasing awareness of the idiomatic aspects of language, and continue to study the culture of countries using the language.

**Preferred Previous Course of Study:**

French 1

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## French 3

The third-year French language course enables students to develop high-intermediate proficiency in language skills of listening, speaking, writing and reading. Students will develop an increasing awareness of the idiomatic aspects of language, begin to study the literature and continue to study the culture of countries using the language.

**Preferred Previous Course of Study:**

French 2 or equivalent experience

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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## French 4 Honors

The fourth-year French course enables students to develop advanced proficiency in the language skills of listening, speaking, writing, and reading. Students will use idiomatic aspects of language, and continue to study the literature and the culture of countries using the language.

**Preferred Previous Course of Study:**

French 3 or equivalent experience

**Schools:** A C L M      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### AP French Language

Students who enroll in AP French Language should have a solid command of French grammar and vocabulary and have competence in listening, reading, speaking, and writing. This course emphasizes the use of language for active communication and helps students develop the ability to understand spoken French in various contexts, master an ample vocabulary while non-reliant on a dictionary, and demonstrate coherent expression in written and spoken French.

**Preferred Previous Course of Study:**

French 4

**Schools:** A C L M      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### French Literature Honors

French Literature Honors introduces works of prose, poetry, plays and drama from different periods and centuries of French Literature. Students will read prose and verse passages of moderate difficulty and mature content, read and critically analyze works of French Literature, acquire basic concepts of textual analysis, and understand and appreciate the cultural context of the literary works of the Francophone countries.

**Preferred Previous Course of Study:**

French Language 5 AP

**Schools:** L      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### German 1

This introductory course in foreign language provides students who have no prior training in the language an opportunity to develop listening, speaking, writing, and reading fundamentals. In addition to functional language skills, students are given an introduction to the culture of countries whose language they are studying.

**Preferred Previous Course of Study:**

N/A

**Schools:** C      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### German 2

This second-year language course enables students to develop intermediate proficiency in the language skills of listening, speaking, writing, and reading. Students also develop an increasing awareness of the idiomatic aspects of language, and continue to study the culture of countries using the language.

**Preferred Previous Course of Study:**

German 1

**Schools:** C      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### German 3

The third-year language course enables students to develop high-intermediate proficiency in the language skills of listening, speaking, writing and reading. Students will develop an increasing awareness of the idiomatic aspects of language, begin to study the literature and continue to study the culture of countries using the language.

**Preferred Previous Course of Study:**

German 2 or equivalent experience

**Schools:** C      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### German 4 Honors

This fourth-year language course enables students to develop advanced proficiency in the language skills of listening, speaking, writing, and reading. Students will use idiomatic aspects of language, and continue to study the culture and literature of countries using German.

**Preferred Previous Course of Study:**

German 3 or equivalent experience

**Schools:** C                      **Grades:** 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### AP German Language

This fifth-year German language course enables students to develop advanced proficiency in the language skills of listening, speaking, writing, and reading. Students will use idiomatic aspects of language, and continue to study the culture and literature of German-speaking people. Students will prepare for the advanced placement examination.

**Preferred Previous Course of Study:**

German 4 Honors or equivalent experience

**Schools:** C                      **Grades:** 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Japanese 1

This introductory course in foreign language provides students, who have no prior training in the language, an opportunity to develop basic listening, speaking, writing, and reading skills. In addition to functional language skills, students are provided an introduction to the culture of countries whose language they are studying.

**Preferred Previous Course of Study:**

N/A

**Schools:** L                      **Grades:** 9 10 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Japanese 2

This second-year language course enables students to develop intermediate proficiency in the language skills of listening, speaking, writing, and reading. Students also develop an increasing awareness of the idiomatic aspects of language, and continue to study the culture of countries using the language.

**Preferred Previous Course of Study:**

Japanese 1

**Schools:** L                      **Grades:** 10 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Japanese 3

This third-year Japanese language course enables students to develop advanced proficiency in the language skills of listening, speaking, writing, and reading. Students will use idiomatic aspects of language, and continue to study the culture and literature of Japan using the language.

**Preferred Previous Course of Study:**

Japanese 2 or equivalent experience

**Schools:** L                      **Grades:** 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Japanese 4 Honors

This fourth-year Japanese language course enables students to develop advanced proficiency in the language skills of listening, speaking, writing, and reading. Students will use idiomatic aspects of language, and continue to study the culture and literature of Japan using the language.

**Preferred Previous Course of Study:**

Japanese 3 or equivalent experience

**Schools:** L                      **Grades:** 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Latin 1

Latin 1 is an introductory course in which students begin the study of the Latin language, Roman culture, Roman mythology, and the Latin roots of modern European languages.

**Preferred Previous Course of Study:**

N/A

**Schools:** M                      **Grades:** 9 10 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Latin 2

Latin 2 is an intermediate course in which students develop intermediate level knowledge of Latin language, Roman culture, Roman mythology, and the modern European languages.

**Preferred Previous Course of Study:**

Latin 1

**Schools:** M                      **Grades:** 10 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Latin 3

Latin 3 is an intermediate course in which students develop intermediate level knowledge of Latin language, Roman culture, Roman mythology, and the modern European languages.

**Preferred Previous Course of Study:**

Latin 2

**Schools:** M                      **Grades:** 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### AP Latin Vergil

This course provides students with the skills needed to write a literal English translation of Latin passages, explain the use of words in appropriate context, identify and analyze characteristic or noteworthy features of an author's mode of expression, and demonstrate an awareness of the features used in the construction of a poem or an argument. Students learn to read at sight and translate literally to insure accuracy and coherence.

**Preferred Previous Course of Study:**

Latin 3

**Schools:** M                      **Grades:** 11 12    **Units:** 10    **UC/CSU**     **ROP**

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### Latin 5 Honors

Latin 5 Honors enables students to further develop an advanced proficiency in their Latin language skills while reading the writings of Caesar, Ovid, Livy, Catullus and other authors of the Golden Age of ancient Roman Literature. They will focus on advanced Latin prose composition while studying the style, diction and ideas of the ancient authors. Students will also deepen their knowledge of Latin grammar and syntax.

**Preferred Previous Course of Study:**

**Schools:** M                      **Grades:** 12    **Units:** 10    **UC/CSU**     **ROP**

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### Mandarin 1

Mandarin 1 will introduce students to the language of Mandarin (listening, speaking, reading, and writing) and the Chinese culture, and give a basis for continued studies. By the end of the course, students will learn how to have short conversations in Mandarin; have a basic understanding of the components of Chinese characters; broaden their understanding of the Chinese culture; and introduce them in the use of a dictionary.

**Preferred Previous Course of Study:**

N/A

**Schools:** A C M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Mandarin 2

Mandarin 2 will broaden students' ability in the language of Mandarin (listening, speaking, reading and writing) and the understanding of the Chinese culture. It will enable them to read longer paragraphs and carry on extended conversations. By the end of the course, students will learn how to have extended conversations in Mandarin; further expand their knowledge of Chinese characters; and further expand their understanding of the Chinese culture.

**Preferred Previous Course of Study:**

Mandarin 1 or equivalent experience

**Schools:** A M **Grades:** 9 10 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Mandarin 3

This third year Mandarin course enables students to increase their proficiency in the four skills of listening, speaking, reading and writing. They will further expand their understanding of the Chinese culture, extend their skills in grammar, and be encouraged to increase their communicative interaction with native speakers. The course objectives include the following: (1) Speaking and listening: Performing all classroom activities entirely in Mandarin. (2) Reading: students are able to read short stories and anecdotes and getting the general idea of the meaning. Students will memorize approximately 225 more Chinese characters. (3) Writing: students write long paragraphs in a daily journal and write short essays on a given topic. Students will use more discourse markers in their written and spoken discourse. (4) Cultural activities are arranged to provide each student with opportunities to enhance language and cultural learning. Students will study the Chinese culture, including religion, music, performing art, food, jade, medicine, medical care, etc.

**Preferred Previous Course of Study:**

Mandarin 2 or equivalent experience

**Schools:** A M **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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### Mandarin 4 Honors

The fourth year Mandarin course enables students to broaden their ability in the language of Mandarin through listening, speaking, reading and writing and appreciation of the Chinese culture. The course objectives include speaking and listening, reading. Students will memorize approximately 350 Chinese characters. Students will analyze commonalities and differences between Chinese and American culture through dialogue and writing. Pending UC approval.

**Preferred Previous Course of Study:**

Mandarin 3 or equivalent experience

**Schools:** A M **Grades:** 11 12 **Units:** 10 **UC/CSU**  **ROP**

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**AP Spanish Language & Culture**

While emphasizing the use of Spanish for active communication, this course encompasses aural/oral skills, reading comprehension, grammar, and composition. This course is designed to develop comprehension and expression of formal and informal spoken Spanish in an accurate and fluent fashion. Vocabulary development and the composition of expository passages are highlighted.

**Preferred Previous Course of Study:**

Spanish 4 Honors or equivalent experience

**Schools:** A C L M      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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**AP Spanish Literature**

An AP Spanish Literature course is comparable to a third-year college introduction to Hispanic literature course. It is based on a required reading list. The works on the list are of literary significance and represent various historical periods, literary movements, genres, geographic areas, and population groups within the Spanish-speaking world. The objective of the course is to help students interpret and analyze literature in Spanish.

**Preferred Previous Course of Study:**

AP Spanish Language & Culture

**Schools:** L      **Grades:** 12      **Units:** 10      **UC/CSU**       **ROP**

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# Course Descriptions

## Non-Departmental

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### Intervention

The Intervention course provides academic skill development and support in either math and algebra or reading and writing. The course also provides targeted support and preparation for the California High School Exit Examination.

#### Preferred Course of Study:

N/A

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Leadership

The Leadership class is designed to engage students in shaping a positive campus environment and culture, and to develop students' sense of social and civic responsibility. Students will develop leadership and management skills including: organization, goal setting, communication, problem solving, and decision making. Students will use these skills to plan and implement student activities on the school campus.

#### Preferred Course of Study:

2.0 GPA; Completion of application process; Student officer or student leadership council position.

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Literacy 1

Literacy 1 is a comprehensive developmental standards-based language arts course. This course integrates research-based reading strategies, vocabulary acquisition and development, expository, summary and informational writing. Students demonstrate their mastery of skills through application of work in content area classes.

#### Preferred Course of Study:

Students needing English/Language Arts intervention

**Schools:** A L      **Grades:** 9      **Units:** 10      **UC/CSU**       **ROP**

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### Literacy 2

Literacy 2 is a comprehensive developmental standards-based language arts course. This course integrates research-based reading strategies, vocabulary acquisition and development, expository, summary and informational writing. Students demonstrate their mastery of skills through application of work in content area classes.

#### Preferred Course of Study:

Students needing English/Language Arts intervention

**Schools:** A L      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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### Literacy 3

Literacy 3 helps students succeed in their core academic classes, particularly U.S. History and English 3. Students will benefit from further academic support. These students may have low test scores and/or low grade point averages. In order to prevent these low to mid-range students from giving up because of their lack of success, the class will provide students with a small classroom environment where they can receive individual attention and build confidence. The class will focus on teaching students effective learning strategies. By learning about and using a variety of research-based strategies, students will learn how they best learn. Because the class is limited to 15 students, students can be assured that they will receive individual help on a regular basis.

#### Preferred Course of Study:

Students needing English/Language Arts intervention

**Schools:** A                      **Grades:** 11                      **Units:** 10                      **UC/CSU**                       **ROP**

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### Peer Tutoring

Peer tutors work in classes, study hall and/or peer-tutor centers to help students with work in various academic subjects. Peer tutors should have strong skills in reading, writing, science, world languages or mathematics and should be genuinely interested in helping others to become successful students.

#### Preferred Course of Study:

N/A

**Schools:** A C L M                      **Grades:** 11 12                      **Units:** 10                      **UC/CSU**                       **ROP**

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### Sports Medicine ROP

Sports Medicine is designed to explore human anatomy and physiology, and lays the foundation for further study of these sciences. Students learn how systems of the body function and interact through physical activity, and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understanding the physiological response to injury and improving performance. Integrated throughout the course are career preparation standards, which include basic academic skills, communication, interpersonal skills, problem solving, safety technology and employment literacy.

#### Preferred Course of Study:

Biology

**Schools:** A C L M                      **Grades:** 11 12                      **Units:** 10                      **UC/CSU**                       **ROP**

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### Sports Medicine-Adv. ROP

Sports Medicine is designed to explore human anatomy and physiology, and lays the foundation for further study of these sciences. Students learn how systems of the body function and interact through physical activity, and develop a thorough understanding of the structure and function of the musculoskeletal system. This knowledge serves as a platform for understanding the physiological response to injury and improving performance. Advance level students may be eligible for an after-school sports medicine practicum with the school's athletic teams. Integrated throughout the course are career preparation standards, which include basic academic skills, communication, interpersonal skills, problem solving, safety technology and employment literacy.

#### Preferred Course of Study:

Sports Medicine

**Schools:** A C                      **Grades:** 12                      **Units:** 10                      **UC/CSU**                       **ROP**

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**Staff Assistant**

Staff Assistant provides students the opportunity to develop communication skills, employability skills, and behaviors essential for employment, with emphasis on careers in education. Students must have the ability to work with others and independently. Staff assistants work under the direction and supervision of the assigned classroom teacher, office administrator or librarian. Students grade is not calculated into the students GPA.

**Preferred Course of Study:**

Staff approval

**Schools:** A C L M      **Grades:** 11 12      **Units:** 10      **UC/CSU**       **ROP**

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**Study Hall**

Study Hall is for students who feel the need for a supervised period during the regular school day in which they can complete homework and daily classroom assignments. Regular attendance is required if a student selects this program.

**Preferred Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 9 10 11 12      **Units:** 0      **UC/CSU**       **ROP**

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**Yearbook**

Students participate in all phases of planning and designing the school yearbook, including: overall design, artwork, photography, copy writing, layout, organizing and writing. Important aspects of the course include meeting strict deadlines, working with a clear set of priorities, aesthetic judgment, cooperation with other students and community representatives and practicing effective leadership.

**Preferred Course of Study:**

N/A

**Schools:** A C L M      **Grades:** 10 11 12      **Units:** 10      **UC/CSU**       **ROP**

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