

IHS ELECTIVE OPTIONS

TABLE OF CONTENTS

[Page 1](#)
New Courses

[Page 2](#)
Social Science
Science
Math

[Page 3](#)
English
World Languages

[Page 4– 5](#)
Visual Arts

[Page 6](#)
Computer Science
Engineering
Business & Technology
Automotive

[Page 7](#)
Performing Arts

[Page 8](#)
Non Departmental
Blended Online Classes
ROP Information

All elective options are subject to teacher availability and enrollment numbers.

NEW COURSES

Advanced Animation A/B

UC/CSU pending approval

Prerequisites for this class include two semesters of animation and teacher recommendation. This course is an in-depth extension of Animation with the intent to further develop the foundation of creating and understanding time-based art. Students will be working to improve skills/techniques and develop creative expression.

Creative Writing

UC/CSU approved

Every human has a story to tell. Are you ready to tell yours? Read contemporary poetry and fiction as you learn about the writer's craft and develop your own original work in a collaborative, workshop setting. Creative Writing students will explore how prolific writers engage and inspire audiences and convey meaning through various literary techniques. Students will work towards self-publishing and/or submitting work to writing competitions. This year-long alternating block class is open to Juniors and Seniors only.

Engineering Design and Development A/B

UC/CSU approved

This year long alternating block course is the capstone course in the Engineering Pathway. It is an open-ended engineering research course in which students work in teams to design and develop an original solution to a well-defined and justified problem by applying the design process. Student teams will present and defend their original solution to an outside panel. *Students need to complete Aerospace Engineering with a C or higher to enroll in this course.*

History in Film

UC/CSU pending approval

Ever wonder how historically accurate movies that are “based on actual events” are? Consider taking “History in Film”, a course that provides students with opportunities to critically examine films and other types of media. Theatrical films and documentaries will be screened and evaluated to determine their accuracy and reliability. This semester class is open to Juniors and Seniors only.



Religion and Society

UC / CSU approved

Religion and Society is a one-semester, alternating block College Prep course that attempts to answer the questions: Why are people religious and what impact does religiosity have on human society? The course starts with a study of themes in American religion such as identity, declining religiosity, and the separation between church and state. Learners then transition toward a study of the science of religion by exploring the ideas of Freud, Jung, Maslow, and Einstein and how those ideas help us answer the question of why people are religious. The course then explores the five major religious traditions of the world including Hinduism, Buddhism, Judaism, Christianity, and Islam. For these faiths, students learn not only what their followers believe and why they believe it, but also how that belief manifests itself socially, economically and politically.

SOCIAL SCIENCE

Global Studies F/S UC/ CSU approved

This 9th grade semester course is recommended for those students who have an interest in history or for students who wish to develop their skills in reading /writing as it pertains to social science. May be taken in fall or in spring or in fall & spring consecutively.

Adult Living

This 11th & 12th grade alternating one semester course is rooted in Dave Ramsey's Foundations in Personal Finance curriculum. Students are introduced to simple budgeting and saving habits that can lead individuals to be financially independent and live a debt free life. The curriculum enables students to confidently discuss money issues and plan for their own financial future.

Psychology UC / CSU approved

This 11th & 12th grade alternating one semester class is designed to study the basics of human behavior. Among the many topics covered in this class, you will gain knowledge in how the human develops from childhood to adolescence to adulthood, how the workings of the brain and psychological disorders shape daily behavior, how memory and the ability to learn contributes to daily experiences and helps to shape your future, how your personality and identity formation helps to explain who you are, and how dreaming and other non-conscious experiences explain wishes, desires, fears. For those interested in pursuing an education in psychology or just learning more about yourself and others, this class is a foundation in the principles of psychology.

Other Social Science Electives: UC / CSU approved

AP European History
Religion and Society

AP Government

Honors Modern World History (9)

AP U.S. History

AP Macroeconomics
History in Film



SCIENCE UC / CSU approved

Anatomy / Physiology

AP Biology

AP Chemistry

Physics

AP Physics

AP Environmental Science



MATH UC / CSU approved

Math 4

AP Statistics

AP Calculus AB

AP Calculus BC

Business Finance (not UC/CSU approved)



ENGLISH

Beginning Journalism - UC / CSU approved

Would you like to join the newspaper staff? Produce your own edition of El Vaquero? Write stories? Practice interviewing? Take photos or draw? Design a newspaper layout or create a graph? Explore current events and journalistic law and ethics? Discuss the media and learn about media literacy? If the answer is yes to one or more of these questions, this class is for you! It is a solid one semester class

Movies and Commentary

Ever seen a film that inspired you - or possibly had you considering your world differently? Perhaps you've watched a few that touch you, or just simply made you laugh. Much like great literature, great cinema consistently speaks to those aspects of life that are most vital to us all. So if immersing yourself in forty ground breaking, thought provoking, and utterly entertaining films sounds intriguing—this class is for you. Open to Juniors and Seniors only. It is a solid one semester class

Mythology UC/CSU approved

There are over 7 billion people on this earth. We come from vastly different cultures, geographical locations, and belief systems. Despite all of these huge differences, mythology teaches us to realize that we are more similar than we are different. In this class we retell stories from thousands of years ago, learn about the science of the ancient world, and analyze the myths of the Ancient Greeks. We focus on how these ancient myths are still relevant in a technology dominated world. In mythology, we seek more than just answers. We uncover the underlying truth. Open to Junior and Seniors only. It is a solid one semester class.

Other English Electives:

- ◆ Advanced Journalism (Beginning Journalism, application & interview required) UC/CSU Approved
- ◆ Communications Composition & Literature I
- ◆ Communications Composition & Literature 2
- ◆ Creative Writing UC/CSU pending approval
- ◆ AP Language (11) UC/CSU approved
- ◆ AP Literature (12) UC/CSU approved

WORLD LANGUAGES: UC/ CSU approved

Beginning Classes: French I, Korean I, Spanish I, Spanish for Native Speakers I

*American Sign Language I (*Dual Enrollment IVC)

Advanced Classes: Requires successful completion of previous class in sequence and teacher recommendation.

French II, French III, Honors French IV, AP French

Korean II, Korean III, Honors Korean IV, Honors Korean V

Spanish II, Spanish III, Honors Spanish IV, AP Spanish, Spanish for Native Speakers 2

*American Sign Language II (*Dual Enrollment IVC)

*Dual Enrollment—this course is a college level course taught by an IVC professor on the Irvine High School campus during the regular school day.

VISUAL ARTS

**Remember that graduation requirements include 10 credits of world language or visual & performing arts or career technical education courses while college/university entrance requirements include 10 credits of the same College Preparatory visual or performing art for admission.

Intro to Art F/S

UC/CSU approved

This course is designed to introduce the basic art elements through the use of a variety of media and techniques including drawing, painting, printmaking, ceramics, sculpture, design, lettering, crafts, art history and multicultural appreciation. This is a yearlong alternating block course that students can take in any sequence (fall, then spring, or spring before fall).

Intro to Photo Journalism

UC/CSU approved

An entry level one semester alternating course focusing on visual storytelling through digital photographic means. The course will stress creative problem solving, accurate journalistic interactions with subject, and narrative photography. Students will learn and apply the basic care and functions of a camera, as well as basic techniques, using Adobe Lightroom and Photoshop. This course will assist in preparing for entrance into Journalism, Yearbook, Video Production, or other Photo courses.

Yearbook A/B

UC/CSU approved

This is a year-long course designed to develop the skills and techniques of layout design, copy writing, and photo-journalistic photography. Students will publish the school yearbook. No pre-requisite. However, experience in Photography, Intro to Photojournalism, Journalism, or Computer Graphics is appreciated, but not necessary. Application process and Advisor's approval required. (Please see Mrs. Perales)

AP Art History A/B

UC/CSU approved

This yearlong course Introduces students to art and architecture created throughout history and from around the globe. Students will become aware of artistic and cultural connections through art and be prepared for the AP exam in May. This is a credit plus elective course.



VIDEO PRODUCTION (Visual Arts & CTE)

Video Production F/S

UC/CSU approved

Students will learn/practice jobs within the three stages of the video production process: pre-production, production, and post production. Students will learn production roles including storytelling, script writing, storyboarding, camera operation, directing, producing and editing. Students will become proficient using Adobe Premier Pro. This is a yearlong course that students can take in any sequence (fall, then spring, or spring before fall).

Advanced Video Production / iTV A/B

UC/CSU approved

Prerequisites for this class include passing grade of C- or higher in at least one semester of Video Production, as well as completion of Film Ed Academy of the Arts Summer Workshop. This yearlong course includes creating bi-monthly broadcasts, filming/mixing live events including all pep rallies, participation in film festivals such as the Orange County Film Festival, participation in contests, creating the digital yearbook, and much more!

Art of Film F/S

UC/CSU approved

Open to advanced video students and other video production students with teacher recommendation. This class focuses on the art of making films. Students will have the opportunity to explore production techniques for personal creative expression of their ideas. Students can take this concurrently with video production or advance video production.

PAINTING & DRAWING

Painting and Drawing F/S

UC/CSU approved

This year-long course will develop skills in painting and drawing. Students will develop artistic concepts and techniques, while also harnessing their own creativity and imagination. Students will gain experience with various media, such as: graphite, charcoal, pen and ink, colored pencils, watercolor, acrylic, tempera, etc.... All levels are welcome. This year-long course can be taken in any sequence (fall, then spring, or spring before fall).

Advanced Painting and Drawing F/S

UC/CSU approved

This is a year-long course. Students in this class work to expand their knowledge and application of various artistic processes, using a variety of mediums and techniques. In a more open art studio setting, students will focus on building a portfolio demonstrating their continuing study in art and exploring their own creative voice and style. Concepts in art criticism and art appreciation will continue in course. Pre-requisite: at least two semesters of Painting and Drawing or teacher approval.

AP Studio Art: Drawing A/B

UC/CSU approved

10th, 11th, or 12th grade students only
This year-long class is an intensive challenge to develop a comprehensive portfolio for submission to the College Board, which primarily focuses on paintings and drawings. In this course, students will demonstrate their accomplishment in both quality of work and their ability to explore more conceptual ideas. Students must be able to read and follow instructions independently, take criticism, contribute to class critiques/discussions, and ask for clarification when needed. Pre-requisite: at least two semesters of Advanced Painting and Drawing or teacher approval.



CERAMICS

Beginning Ceramics F / S

UC/CSU approved

This course develops personal expression and creativity through the medium of ceramics. Emphasis is placed on application of the elements and principles of design. This is a yearlong course that students can take in any sequence (fall, then spring, or spring before fall).

Beginning Ceramics

Advanced Ceramics F / S

UC/CSU approved

Students will further develop an understanding of processes of both traditional and modern forms and techniques and make comparisons. Different firing methods will be explored. This is a yearlong course that students can take in any sequence (fall, then spring, or spring before fall). Repeatable

Advanced Ceramics

AP Studio Art: 3D Design

AP Studio Art: 3 D Design A/B

UC/CSU approved

This class is an intensive challenge to develop a comprehensive portfolio for submission to the College Board, demonstrating the integration of three dimensional concepts, including: depth, space, volume, and surface. Students must be able to read and follow instructions independently, take criticism, and ask for clarification when needed. Pre-requisite: at least two semesters of Advanced Ceramics or teacher approval.

COMPUTER GRAPHICS

Computer Graphics F/S

UC/CSU approved

Designed to instruct art students in software programs such as Adobe Photoshop and Illustrator. Students will apply graphic art and design principles with computer technology to visually communicate concepts and ideas. This is a year long course that students can take in any sequence (fall, then spring, or spring before fall).

Computer Graphics

Advanced Computer Graphics A/B

UC/CSU approved

Instructor-approval required. Designed to provide students with prior Adobe Photoshop and Illustrator experience independent learning opportunities through advanced project-based curriculum. Students will develop a cohesive graphic design portfolio based real-world assignments. Projects include but are not limited to editorial, packaging, and identity design. This is a year long course that students can take in any sequence (fall, then spring, or spring before fall).

Adv. Computer Graphics

AP Studio Art:
2 D Design

Animation A/B

UC/CSU approved

This course requires the use of Adobe Creative Suite: Illustrator, Photoshop, and After Effects. Students must be comfortable working with complex computer software. Designed to expose students to a range of traditional and digital techniques used in stop-motion and 2D computer animation. Students will develop skills in drawing, writing, storyboarding, layout, and character design by creating individual and collaborative animations. This year-long course must be taken in sequence (fall-then spring)

Animation

Adv. Animation

Advanced Animation A/B

UC/CSU pending approval

Prerequisites for this year-long class include two semesters of animation and teacher recommendation. This course is an in-depth extension of Animation with the intent to further develop the foundation of creating and understanding time-based art. Students will be working to improve skills/techniques and develop creative expression.

AP Studio Art:
2 D Design

VISUAL IMAGERY (Photography)

Visual Imagery (photo) F/S

UC/CSU approved

Photographic Arts is a course that guides students through an in-depth exploration of photography as an art form. This class explores the fundamentals of basic photographic processes and creative expression of ideas. Students will become proficient utilizing film and darkroom processes, and using Adobe Photoshop to refine and alter their work. This is a year long course that students can take in any sequence (fall, then spring, or spring before fall, or non-consecutive semesters).

Visual Imagery

Advanced Visual Imagery (photo) F/S

UC/CSU approved

Advanced Visual Imagery students build on techniques learned in Visual Imagery (beginning photo). Students will explore multiple photographic techniques for personal creative expression of their ideas. Students will create multiple original works and assemble for a portfolio, website, and/or publish a book.

AP 2D Design (photography)

Students who have taken 2 semesters of Adv. Visual Imagery may create a portfolio to submit for AP 2D Design

Advanced Visual Imagery

AP Studio Art: 2 D Design A/B (Computer Graphics/Graphic Design)

UC/CSU approved

The class focuses on building a portfolio with emphasis on design elements and principles for submission in May to the College Board.. (Students may also choose to complete a website instead of taking the AP test) Students in this course can choose between three pathways for their portfolio; Fashion Design, Product Design or Character Design.

AP Studio Art:
2 D Design

CAREER TECHNICAL EDUCATION (CTE)

COMPUTER SCIENCE

Exploring Computer Science A/B

UC/CSU approved

This course is an introduction to the world of computer science and problem solving. Students will study topics such as Human Computer Interaction, Boolean logic, functions, graphs and the binary number system, Web Design, Programming and Algorithm Development, Computing and Data Analysis, and Robotics as an advanced application of computer science. This course will help students create a strong foundation to advance to AP Computer Science.



AP Computer Science A A/B

UC/CSU approved

This course covers the design, development, testing, and debugging of computer programs using the JAVA programming language. Emphasis is placed on problem solving, algorithm development, and object oriented programming. *Students need to complete Math 3 with a B or higher or complete Exploring Computer Science with a B or higher to enroll in this course.*

BUSINESS & TECHNOLOGY

Keyboarding— 1 semester class

Learning proper keyboard stroke techniques will increase your speed and lead to completing assignments faster and more accurately. You will also work with MS Word and MS Excel, the foundations expected in the job market. Learn format, design and proofreading documents.

Career Exploration & Computer Applications (CECA) 1 semester class

Discover career opportunities and the tools required to compete in today's job market. Learn about career vs lifestyle, investments, and moving towards your professional future. Microsoft Office programs such as Word, Excel, and Power Point are a must in today's job market.

Beginning, Intermediate & Advanced Website Design & Management

Build an understanding of the Internet, and how the Internet connects billions of people, businesses and organizations around the world. This course focuses on the fundamentals of website development by building the code required to create an effective website. Students completing the beginning course may be interested in continuing into Intermediate and then Advanced Website Design & Management classes which are responsible for the development and maintenance of the Irvine High School website.

Virtual Enterprise A/B

UC/CSU approved

This year long course not only teaches students about the business world, but it allows students to participate in a fully functioning virtual business. Product development, business structures and departments, accounting, and sales are just part of this course. Students will also be given the opportunity to compete in trade shows and events against other schools' Virtual Enterprise businesses.

ENGINEERING

Introduction to Engineering Design (IED) A/B

UC/CSU approved

This year-long course will explore design and engineering skills taught through hands-on activities and projects. Students will focus on the design process, sketching, technical drawing, reverse engineering, technical documentation, engineering standards, career exploration, Computer Aided Design (CAD) software, and 3D printing and laser cutting. This course is articulated with Irvine Valley College for college credits. *Students may NOT take IED and POE concurrently.*

Principles of Engineering (POE) A/B

UC/CSU approved

In this year-long course, the hands-on project based study includes: energy and power, simple and compound machines, basic electricity, statics, career exploration, Vex robotics kits, RobotC coding, 3D printing and laser cutting. It is recommended that students be concurrently enrolled in Math 2 or higher. *IED is not a prerequisite. Students may NOT take IED and POE concurrently.*

Aerospace Engineering A/B

UC/CSU approved

This year long course is a specialization course in the Engineering Pathway. Areas of project based study include many aspects of flight, space travel, orbital mechanics, and engineering careers. Students will be working with industry software, a wind tunnel, Vex robotics kits, 3D printing and laser cutting. *Students need to complete POE with a C or higher or be a member of the Irvine CubeSat team or be concurrently enrolled in Math 3 to enroll in this course.*

Engineering Design and Development A/B—new class: see cover page
UC/CSU pending approval

AUTOMOTIVE

Automotive Technology MLR I A/B

UC/CSU approved

Two semester course that introduces students to automobile service and repair, shop safety, and engine repair. Automatic and manual system, as well as heating ventilation and air conditioning will be explored. Students will be introduced to automotive technology concepts in the classroom and be provided lab-based hands-on maintenance and repair experience.

Automotive Technology MLR II A/B

UC/CSU approved

Two semester course that continues instruction in automobile service and repair. Students will be immersed deeper into the teachings of automobile service and repair, shop safety, and engine repair. Automatic and manual system, as well as heating ventilation and air conditioning will be explored. Open to students who have completed Automotive Technology MLR I. F & S with instructor approval.



Advanced Auto A/B

UC/CSU approved

Two semester course that introduces students to the fundamentals of engine design, engine theory, applications, fundamentals, blue printing, and engine building. Students will be introduced to engine tear down, inspection, critical engine measurements, and re-assembly. This class is open to students who have successfully passed MLR I and MLR II with a "C" or better.

Please see the Course of Studies for complete course descriptions at www.irvinehigh.org

PERFORMING ARTS

Note—Placement in most performing arts class is based on skill level and requires an audition. Contact the instructor for more information.

BEGINNING LEVEL COURSES: (No experience required)

Concert Chorale F/S

UC/CSU approved

Concert Chorale is a singing ensemble open to all students in all grades. This is a year-long alternating block course. Students are expected to wear performance attire and attend all rehearsals and performances.

Treble Chorus F/S

UC/CSU approved

Beginning Treble Chorus is a singing ensemble open to females in all grades. This is a year-long alternating block course. Students are expected to wear performance attire and attend all rehearsals and performances.

Music Theory

UC/CSU approved

Music Theory is a one semester class open to all students. It is recommended for sophomores and/or juniors who plan to enroll in Advanced Placement Music Theory. However, it is also for those wishing to simply acquire a broader understanding of music.

Dance I (Beginning Dance) F/S

Beginning study of dance as an art form. Students will study basic dance techniques, vocabulary, and history used in choreography, improvisation, jazz, ballet, hip hop, tap, and modern.

Guitar I F/S

UC/CSU approved

This course presents instruction in classical and folk guitar techniques. Students will acquire skills in reading music notation and guitar tablature. Students enrolling in guitar should expect to incur expenses for workbooks and materials.

Piano

UC/CSU approved

Students enrolled in this course will acquire skills in reading music notation and proper piano technique.

Creative Drama F/S

UC/CSU approved

In addition to being a beginning acting course, this class will help students feel comfortable speaking in front of groups. Students have the opportunity to explore acting through improvisation and theatre games, pantomime and movement, and monologue and scene performance.

Tech Theater F/S

In this class students will build the sets and help in the design process for shows. It is very hands on and students will be building and painting sets, hanging and focusing lights, and using the light and sound boards for performances.

ADVANCED COURSES:

All UC/CSU Approved

*Auditions / Teacher Recommendations
Required.*

CHORAL

Canta Bella A/B

IHS Chorale A/B

Irvine Singers A/B



INSTRUMENTAL

Marching Band

Percussion Ensemble A/B

Concert or Symphonic Band A/B

Jazz Ensemble A/B

Concert or Symphonic Orchestra A/B

Wind Symphony A/B

DANCE

Dance 2 (Intermediate) A/B

Dance 3 (Intermediate/ Advanced) A/B

Dance 4 (Advanced) A/B

Dance Ensemble A/B

GENERAL PERFORMING ARTS

Guitar 2

AP Music Theory A/B

THEATRE

Intermediate Drama A/B

Advanced Drama A/B

Advanced Tech Theater A/B



NON DEPARTMENTAL OFFERINGS

Student Assistant

Sophomore standing or higher required. Students may only assist twice during their high school career to count toward graduation.

Peer Tutor

Sophomore standing or higher required. Peer tutors work with students on study skills, preparing for tests, and homework. Tutors must demonstrate a commitment to helping others and complete a short training.

Blended Online Classes through San Joaquin High School

Students complete coursework online, and attend one in-person meeting per week for discussion, activities, and test proctoring. See your counselor for more details.

| | | | | |
|----------------------|----------------------|-------------------------|----------------------|-----------------|
| Chinese 1,2, & 3 | Physical Education | The Living Earth | Enhanced Math 2 | Drawing |
| French 1, 2, 3 & AP | Health | Chemistry in the Earth | Pre-Calculus | Graphic Design |
| Korean 1, 2, 3, & 4H | Drivers Education | Physics in the Universe | US History | AP Art History |
| Latin 1, 2, 3, & AP | English 1, 2, 3, & 4 | College Readiness I | World History | AP Music Theory |
| Spanish 1, 2, & 3 | Psychology | Math 1, 2, 3, & 4 | Govt. Ethnic Studies | |

**UC Approved/Cal State Approved
Coastline ROP Classes**

- Sports Medicine & Athletic Training
- Art of Animation
- Engineering Design
- Entertainment Art
- Multimedia communications Design
- Music Technology
- AP Computer Science Principals
- Computer Integrated Manufacturing (CIM)
- Culinary Arts
- Culinary Arts Advanced
- Entrepreneurship
- Sports Medicine Advanced

**After School
Coastline ROP Classes**

- Administration of Justice
- Baking and Pastry Fundamentals
- Broadcast News
- Crime Scene Investigation
- Dental Assistant Front Office
- Emergency Medical Responder
- Emergency Medical Technician
- Engineering Innovations
- Fire Science 101
- Food Services Cooperative
- Introduction to Medical Careers
- Medical Terminology
- Music Technology
- Programming & Robotics
- Retail & Service Careers Co-op

Check with your ROP career specialist, Mrs. Voisinet in the Life Center, for more information and other afterschool ROP Course information.

Course Contracts for the 2019– 2020 school year are due to your advisor on Thursday, April 18, 2019 in TA