

IRVINE HIGH SCHOOL-Career Pathways – CTE



The Career Education program provides students with opportunities to explore careers from middle through high school. Career Technical Education (CTE) and career pathways provide hands-on learning experiences that build teamwork, leadership, creativity and problem solving skills in high demand industry sectors. While gaining industry specific skills, students also build the career ready, professional “soft skills” that transfer to employment in any industry sector and prepare for college and university programs

ENGINEERING DESIGN Get hands-on experience and explore engineering as a career as you learn to solve problems with design-build skills. This pathway offers students a unique STEM learning opportunity with skills that will be useful in college and transfer to any career. **College and Career Opportunities:** Engineering Certificate and AA degree programs at the community college, 4 Yr college/university degree, Engineering Technician, Engineer.

Year 1 Intro to Engineering UC - g	Year 2 Principles of Engineering UC - g	Year 3 Aerospace Engineering UC - g	Completer Engineering Design & Development UC - g
--	---	---	---

Year 1 Video Production UC - f	Year 2 Art of TV/Film UC-f	Completer Adv Video Production UC-f
--	--	---

VIDEO & TV/FILM PRODUCTION From writing a script to shooting and editing film, student teams create professional quality videos. The advanced course offers opportunities to connect with industry professionals on projects like the OC Film Fest. **College and Career Opportunities:** Arts/Film Certificate and AA degree programs, 4 Yr college/university film/digital media degree, film editor, director, producer, videographer.

DIGITAL VISUAL MEDIA - GRAPHICS ✦ VISUAL ART ✦ ANIMATION

Year 1 Computer Graphics UC - f	Year 2 Adv Computer Graphics UC - f
---	---

For personal interest or for exploring a career in the digital media industry; learn digital photography (Digital Media Arts) and computer graphics (Graphic Art and Animation) skills. **College and Career Opportunities:** Digital Media Certificate and AA degree program, 4 Yr college/university digital media degree, marketing, graphics industries.

Year 1 Visual Imagery UC- f	Completer Adv Visual Imagery UC - f	Year 1 Animation UC - f	Completer Animation 2 UC - f
---	---	---	--

AUTOMOTIVE REPAIR & MAINTENANCE Explore a career in the automotive industry or build practical skills useful in STEM careers. Learn how math and science is used in real world applications. You will be prepared for the ASE Industry Certification (Automotive Service Excellence), and career entry or further education. **College and Career Opportunities:** Certificated and AA Degree programs, 4 Yr college/university STEM degree. Engineering Technician, Mechanic.

Year 1 Auto Maintenance & Light Repair 1 UC-g	Year 2 Auto Maintenance & Light Repair 2 UC-g	Completer Advanced Auto UC-g
---	---	--

ICT – COMPUTER SCIENCE AND WEB DESIGN

Year 1 Exploring Computer Science UC-g	Completer AP Computer Science UC-g
--	--

Learn the skills to be a technology creator, rather than a technology user. From basic to advanced computer programming or designing a professional WEB page, these skills will be useful in any career. **College and Career Opportunities:** Certificate and AA degree program, 4 Yr college/university IT degree, programmer, software engineer

Year 1 Beginning Intermediate WEB Design	Completer Advanced WEB Design
---	--

Year 1 Tech Theater UC - f	Completer Adv Tech Theater UC-f
--	---

TECHNICAL THEATER Join our stage crew and learn set design, construction, sound and lighting engineering, costume and make-up, theater/stage management and be part of the theater production team. In the capstone course, take on the leadership role of “running the show”. **College and Career Opportunities:** Certificate and AA degree, 4 Yr college/university theater arts degree.

ENTREPRENEURSHIP Create a business, marketing, and financial plans for a virtual business you create and showcase your business at regional trade shows. College and Career: Certificate and AA degree programs. 4 Yr college/University business, communications degree.	Virtual Enterprise UC - g
---	-------------------------------------

CONSTRUCTION DESIGN ✦ MEDICAL CORE ✦ CULINARY @ CEC – open to all IUSD students

Explore a care in the after school program open to all students at Creekside Education Center, Grades 9-12. Learn useful life-skills, while exploring a Construction, Medical or Culinary career after school Creekside High School. Sign up early, space is limited.

Building Industry Tech 1 UC - g	Building Industry Tech 2 UC - g	Medical Careers & Health Systems 1 UC - d	Medical Nursing Careers Internship	Culinary Arts UC – g Baking & Pastry	Adv Culinary UC - g
---	---	---	---	--	-------------------------------

ROP: Over 500 IUSD students explore a career each year, enrolling in an after school or summer course offered through Coastline ROP (CROP). Career exploration courses are available in several industries, many with internship and college credit through articulation. **Crime Scene Investigation (CSI), EMT and EMR, Robotics, Retail Sales, Sports Medicine, Culinary Arts and Hospitality** are just a few careers you can explore while still in high school. See your counselor or visit the IHS Life Center. Sign up early as these courses fill up fast.

DUAL ENROLLMENT: Be college and career ready by taking an Irvine Valley College course at the high school, during the school day and receive both high school and college credit. See your counselor about enrolling in **IVC Counseling 6 and College Math Prep.**

MIDDLE SCHOOL CAREER EXPLORATION Middle School is the perfect time to find your interest through a career exploratory course and build skills that will prepare you for any career. Courses vary at each school, Exploring Engineering and Robotics, Digital Media and Video Production, Culinary Arts and Fashion Design are just some of the courses you can take.

The District does not discriminate in enrollment in or access to any of the activities and programs available. The Governing Board desires to ensure equal opportunities for all students in admission and access to the district’s educational programs and free from discrimination. [Bd Policy 5145.3](Ed Code 234.1)