UNIVERSITY HIGH SCHOOL-Career Pathways – CTE

Irvine Unified School District

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

Explore engineering as a career or get hands-on experience learning to solve problems through 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 Engineering Principles UC - g

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, public relations.

Year 1 Video Production UC - f	Completer Advance Video Production UC-f

DIGITAL VISUAL MEDIA - GRAPHICS & VISUAL ART

For personal interest or for exploring a career in the digital media industry, build digital photography (Visual Imagery) and computer graphics (Graphic Art) skills. In photojournalism, you will use both photography and graphics skills to tell a story for news material or publications. **College and Career Opportunities:** Digital Media Certificate and AA degree program, 4 Yr college/university digital media degree, marketing, graphics industries.

Year 1 Graphic Design UC - f	Completer Adv Graphic Design UC - f	Photojournalism Elective UC - f	Year 1 Visual Imagery UC- f	Completer Adv Visual Imagery UC - f

AUTOMOTIVE REPAIR & MAINTENANCE

Explore a career in the automotive industry and build practical skills useful in STEM careers. **College and Career Opportunities:** Certificated and AA Degree programs, 4 Yr college/university STEM degree, mechanic, automotive designer.

Year 1 Intro to Auto	Year 2 Advanced Auto

MUSIC TECHNOLOGY

Use electronic instruments and software to create music for multimedia. **College and Career Opportunities:** Certificate and AA degree programs, Sound Engineer , 4 Yr college/university degree in film/digital media.

Music Technology UC- f

ICT – INFORMATION & COMMUNICATION TECHNOLOGIES - COMPUTER

Computer programming skills are applicable in almost any industry. Learn the skills to be a technology creator, rather than a technology user. In the App Development course, you will turn ideas into reality, doing market research and creating the code that makes your App work. In the AP Computer Science course you will learn problem solving skills using programming JAVA software. **College and Career Opportunities:** Certificate and AA degree program, 4 Yr college/university IT degree, programmer, software engineer

Year 1 Mobile APP Development Elective course- not a prerequisite for AP Comp Sci UC – g	Completer AP Computer Science UC – g

TECHNICAL THEATER

Join our stage crew and learn set design, construction, sound and lighting engineering, costume, make-up, and 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.

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

ENTREPRENEURSHIP

Create a virtual business with business, marketing, and financial plans and showcase your business with virtual companies. **College and Career Opportunities:** Certificate and AA degree programs. 4 Yr college/University business, communications degree.

Virtual Enterprise UC - g

CONSTRUCTION TECH ✦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.**

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.