

# NORTHWOOD 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** Whether you want to explore engineering as a career or get hands-on experience learning to solve problems through design-build skills, the engineering course is for you. Learn real world applications of science and mathematics as you develop problem solving and creating thinking skills that apply to STEM careers. **College and Career Opportunities:** Engineering Certificate and AA degree programs at the community college, 4 Yr college/university degree, Engineering Technician, Engineer.

<b>Year 1</b> Intro to Engineering UC - g	<b>Year 2</b> Principles of Engineering UC - g
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<b>Year 1</b> Video Production UC - f	<b>Year 2</b> Art of TV/Film UC-f	<b>Completer</b> Broadcast News UC-f
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**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

<b>Year 1</b> Computer Graphic Art UC - f	<b>Year 2</b> Intermediate Computer Graphic Art UC - f	<b>Year 3</b> Adv Computer Graphics UC - f	<b>Completer</b> 3D Design Animation UC - f
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For personal interest or for exploring a career in the digital media industry, learn digital photography (Visual Art) and computer graphics (Graphic Art) skills. **College and Career Opportunities:** Digital Media Certificate and AA degree program, 4 Yr college/university digital media degree, marketing, graphics industries

<b>Year 1</b> Visual Imagery UC - f	<b>Completer</b> Adv Visual Imagery UC - f
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<b>Year 1</b> Intro to Culinary Arts UC - g	<b>Completer</b> Adv Culinary Arts UC - g
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**CULINARY ARTS** Learn basics of meal preparation as you prepare food from many cultures and be prepared to take the CA Food Handler’s certification exam. The advanced culinary course will prepare you with career ready skills, including the art of pasta and pastry making. **College and Career Opportunities:** Certificate and AA degree, 4 Yr college/university degree in nutrition science, chef, pastry maker, multiple careers in the hospitality industry.

<b>Foods</b>  Elective Course
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## ICT - COMPUTER SCIENCE

<b>AP Computer Science</b> UC - g	Learn computer programming and explore a career in the Information and Communication Technologies industry. <b>College and Career Opportunities:</b> Certificate and AA degree program, 4 Yr college/university IT degree, Programmer, software engineer
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## HORTICULTURE

Learn about CA agriculture, natural resources, plant and soil sciences, and landscape design in our outdoor vegetable and herb garden. **College and Career Opportunities:** Certificate and AA Degree, 4 Yr college/university degree in agriscience and environmental engineering.

<b>Year 1</b> Horticulture	<b>Completer</b> Advanced Horticulture
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<b>Year 1</b> Tech Theater UC - f	<b>Completer</b> Adv Tech Theater UC - f
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**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 or university theater arts degree, sound and lighting technician, make-up artist, set designer, entertainment director.

## 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.

<b>Building Industry Tech 1</b> UC - g	<b>Building Industry Tech 2</b> UC - g	<b>Medical Careers &amp; Health Systems 1</b> UC - d	<b>Medical Nursing Careers Internship</b>	<b>Culinary Arts UC - g</b> Baking & Pastry	<b>Adv Culinary UC - g</b>
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**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 NHS College and Career Center. Sign up early as these courses fill up fast.

**DUAL ENROLLMENT:** Be college and career ready by taking a college course on the high school campus, during the school day. See your counselor about enrolling in an **Irvine Valley College course (Counseling 6, Aleks Math, Biotechnology, and Entrepreneurship) or Chapman University (Calculus).**

**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.