CTE

Pathways & Programs

2023 - 2024





Message from our CTE Leaders

Career Technical Education (CTE) inspires and connects our students to their future careers. Through CTE curriculum, instruction, and work-based learning opportunities, students prepare to become creative and adaptable learners, productive problem solvers, and innovative community leaders. By collaborating with industry colleagues and aligning with our local colleges, our CTE teachers and staff create classroom environments that connect and fuel opportunity, contribute to our local workforce development efforts, and replicate relevant learning experiences where students succeed and actualize their potential. Fresno Unified is committed to expanding relevant opportunities to its students through CTE experiences that build confidence, self-assurance, and the skills and abilities to launch into their career pathway. Thank you for being a CTE Champion!

Kristen Boroski

Director

Career Technical Education Fresno Unified School District

I am grateful to be a part of a school district that believes and invests in a wide variety of Career Technical Education programs for its students and their futures. Throughout Fresno Unified School District, more than 900 business and industry partners are joining with our schools and our talented CTE teachers by investing their time and offering unique experiences to the more than 11,000 Fresno Unified students that are enrolled in career pathway programs. Collectively, the district and its partners are building a pipeline of skilled talent and our leaders of tomorrow. Together, we are creating a wide array of options and opportunities for students and staff to achieve at their highest potential.

I invite you to take a few moments to review this guide, learn about the opportunities that exist and choose the journey of learning and discovery that you would most like to take!

Jeremy Ward

Assistant Superintendent College and Career Readiness Fresno Unified School District

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Bullard High School







Linked Learning Pathways

- ▶ Biomedicine science, body systems, and medical interventions
- Business, Marketing, and Technology marketing, design, sales, photography, and video production
- Law and Social Justice criminal justice and social advocacy

CTE Programs

- ► Computer Science
- ► Teacher Academy

CTE Courses

- ► AP Computer Science
- ► AP Computer Science Principles
- ▶ Cinematography
- ► Criminal Justice and Law
- Design and Marketing
- ▶ Digital Photography I & II
- ► General Internship
- ► Intro to Graphic Design
- Leadership in Law and Social Justice
- Marketing Sales and Service
- ▶ PLTW: Computer Science Essentials
- ▶ PLTW: Human Body Systems
- ► PLTW: Medical Interventions
- ▶ PLTW: Principles of Biomedical Sciences
- ► Retail Design and Marketing
- Social Justice and Advocacy
- ► Sports Medicine
- ► Teacher Academy: The Universal Career
- ▶ Video Production

Respect. Responsibility. Integrity. Excellence.

They are the four tenets of Bullard's Knight Code and they are what every Bullard student aspires to achieve. Bullard High School has something for everybody including college-level Advanced Placement courses, championship athletic teams, awardwinning music programs, multiple career pathways, and high-interest clubs. Come experience the talented teachers, spirited students, and exceptional environment at Bullard High School. Select high-interest electives in performing and visual arts, science, and world languages. Specialty courses such as Leadership and Link Crew provide opportunities to help fellow students grow intellectually and socially during their fun and productive high school years.



Ralph Vasquez CTE Coordinator

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Duncan Polytechnical High School









Innovative Design & Applied Technology Academy (IDATA):

Linked Learning pathways focusing on industrial technology careers, design process, and progressive skill development. Students are eligible to receive industry certifications including OSHA 10, Automotive Service Excellence (ASE), American Welding Society, National Institute of Metalworking Skills (NIMS) and more.

A School of Opportunity

Providing students with options and opportunities after high school is our focus. Our goals are to prepare students for the highest number of options after high school and to ensure students are prepared for both college and a successful career. This is why we offer programs that teach skills in marketable, job-ready fields with hands-on learning, devoted teachers, and engaging classes.

Linked Learning Pathways - IDATA

- ► Automotive Technology
- ► Construction Technology
- ► Medium/Heavy Truck Technology
- ► Manufacturing and Product Development
- ► Welding Fabrication

CTE Courses

- ► Introduction to Design
- ► Concepts of Design
- ▶ WBL: Computer Integrated Manufacturing
- ► WBL3: Computer Integrated Mechatronics
- ▶ WBL: Construction Technology Exterior
- ► WBL3: Construction Technology Interior
- ► WBL: Engine Technology
- ► WBL3: Automotive Systems
- ► WBL: Medium/Heavy Truck Technology I
- ► WBL3: Medium/Heavy Truck Technology II
- ► WBL: Welding Fabrication I
- ▶ WBL3: Welding Fabrication II



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CTE Coordinator

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Duncan Polytechnical High School







Linked Learning Pathways - MASH

- ▶ Nursing Services
- ► Pharmacy Technician
- ► Rehabilitation Therapy

CTE Courses

- ► Applied Medical Sciences
- ► Medical and Health Concepts
- ► UCCI: Biology and Community Health
- ► WBL: Nursing Careers
- ► WBL3: Nursing Services
- ► WBL: Pharmacy Technician Careers
- ► WBL3: Pharmacy Technician Services
- ▶ WBL: Rehabilitation Therapy Careers
- ► WBL3: Rehabilitation Therapy Services
- ▶ Digital Photography I & II
- ▶ Video Production



Medical Academy of Science & Health (MASH):

Linked Learning pathways focusing on patient care. Students have the opportunity to obtain college credit and medical certifications including CPR, Stop the Bleed, Basic Life Support, HIPAA, and OSHA 10.

A School of Specialization

Duncan is a specialized magnet program that combines rigorous college preparatory A-G classes with Career Technical Education electives. We offer the best of both worlds: a strong educational foundation and hands-on career experience to ensure that students are ready for the greatest number of options after high school. Each of our pathways have opportunities for industry certifications and internships, which makes students more employable upon graduation.



Karen Burrington CTE Coordinator

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Edison High School















Rise to the Challenge

Pride. That's the feeling you get as you walk the campus of Edison High School. Pride in yourself, pride in your fellow students, and pride in your community. You know that you are at one of the top schools in the entire Central Valley-unmatched in academics and athletics-and that the opportunities to achieve are limitless.

Edison High is one of the top academic schools in the Central Valley. Our students know that they will be challenged academically and pushed a little harder to succeed. We offer a wide array of Advanced Placement courses including: AP Computer Science, AP Studio Art, AP Microeconomics, and AP Physics C: Mechanics.





Troy O'Dell CTE Coordinator

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Linked Learning Pathways

- ▶ Biomedicine biomedical sciences
- Engineering Design and Development electronics and robotics

California Partnership Academies

▶ Green Energy Academy – electronics and green energy (CPA Lighthouse Academy)

CTE Programs

- ► Computer Science
- ► Digital Photography
- ▶ Kinesiology
- ► Teacher Academy
- ► Technical Theater

CTE Courses

- ► Advanced Electronics
- ► AP Computer Science
- ► AP Computer Science Principles
- Application Design and Research
- ▶ Athletic Training
- ▶ Digital Photography I & II
- ► Electronics Engineering
- ▶ Multimedia
- ▶ PLTW: Biomedical Innovation
- ▶ PLTW: Engineering Research and Development
- ▶ PLTW: Human Body Systems
- ▶ PLTW: Introduction to Engineering Design
- ▶ PLTW: Medical Interventions
- ▶ PLTW: Principles of Biomedical Sciences
- ► PLTW: Principles of Engineering
- ▶ Sports Medicine
- ► Teacher Academy: The Universal Career
- ▶ Technical Theater & Technical Theater Advanced
- ▶ UCCI: Green Up and Go
- ▶ Web Applications
- ▶ Web Programming



Fresno High School







International Baccalaureate Career-Related Programmes

- ► Army Junior Reserve Officers Training Corps military science program
- ► Construction, Design, and Architecture Technology CAD, HVAC/R, and construction
- ► Warrior Entertainment video and film production and live broadcasting

CTE Courses

- ► Construction and Electrical Fundamentals
- Construction Technology I
- ▶ Digital Photography I
- ► General Internship
- ▶ IB: Film IB (Higher Level) Year 1
- ▶ IB: Film IB (Higher Level) Year 2
- ► Multimedia
- ► MYP: Innovative Design Studio
- ▶ Digital Video Production and Broadcasting (ROP)
- ► Video Production
- ▶ Videography
- ▶ WBL: Construction Technology Interior
- ► WBL: HVAC/R Technology Introduction

Innovation Meets Historical Excellence

Tradition. Honor. Excellence. These words describe the core of the Fresno High experience. New construction with modern, technology-rich classrooms blends with the architectural features of historic Royce Hall. Walking the hallways you see students engaged in challenging academic work and activities designed to connect with real-world situations. Staff are committed to the vision of providing an academically rigorous and relevant program which teaches students to act responsibly, think critically, and contribute to a changing global society. No matter your interest, there is a place for you at Fresno High.



Kei Shabazz CTE Coordinator

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Hoover High School







Opportunities to ParticiPATE

Hoover Pates are known, valued, encouraged, and challenged. Hoover offers a comprehensive program designed to help everyone find their passion, make learning relevant, and achieve their goals: Advanced Placement opportunities, Linked Learning pathways, arts, activities, unique course offerings, leadership, and athletics—all in a school that feels like family. Pride, collaboration, and community are essential: Patriots know how to compete, while also continuing a strong tradition of inclusion and acceptance. Every day is a great day to be a Pate!



Linked Learning Pathways

- Arts, Media, and Entertainment videography and cinematography
- ► Eco-Technology agriculture sciences and natural resources
- ▶ Public Service fire science and forensic science

CTE Programs

- ► Construction Technology
- ► Teacher Academy

CTE Courses

- ▶ Biological Links to Energy and the Environment
- ► CDE Agriculture Science I
- Cinematography
- ► Construction Technology I & II
- ▶ Digital Photography I & II
- ► Fire Science I
- ► Fire Science Wildland
- ► Forensic Science
- ► History of Public Safety
- ▶ Multimedia
- ▶ Natural Resources I & II
- ▶ Public Service Leadership
- ► Teacher Academy: The Universal Career
- Videography
- ► WBL: Construction Technology Exterior



Katie Wortman
CTE Coordinator

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DISTINGUISHED ACADEMY

McLane High School







Linked Learning Pathways

- ► Finance and Entrepreneurship finance and banking (partnership with US Bank)
- Medical Education and Research Academy public health, patient care, and medical assisting

California Partnership Academies

- Academy of Finance and Entrepreneurship small business management
- ► ArtVenture art and video production
- Medical Education and Research Academy public health, patient care, and medical assisting

CTE Programs

► Teacher Academy

CTE Courses

- ► Applied Medical Sciences
- Banking and Finance
- Banking and Financial Institution Internship
- Cinematography
- ▶ Digital Media and Design
- ► Digital Photography I
- Entrepreneurship and Marketing
- ▶ General Internship
- ▶ Health and Fitness Management
- ► Health: Prevention, Fitness, and Nutrition
- ▶ Medical Health Careers
- ▶ Personal Finances
- ► Small Business Management
- Teacher Academy: Designs for Learning
- ► Teacher Academy: The Universal Career
- ► Video Production
- ▶ WBL: Clinical and Administrative Health Careers
- ▶ WBL: Virtual Enterprise

Highlanders R.I.S.E. (Respect Integrity Spirit Excellence)

McLane students experience a vast abundance of activities, clubs, athletics, and other positive engagements that play a tremendous part in their development.

Building positive relationships with McLane students and their families is a top priority for teachers and administrators. Every plan created and/or action taken is done so with the objective of using education to improve student lives through academic, social, and emotional growth and success. Graduate with promise and return home in EXCELLENCE!



Eric Walter
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Patiño School of Entrepreneurship









Thinking Outside of the Box

The Phillip J. Patiño School of Entrepreneurship is a new model for secondary education. It's an applied entrepreneurship school that fosters real-world skills – critical thinking, problem solving, and collaboration – and as seniors, students launch their own companies.

We believe the best learning happens when students have the opportunity to apply knowledge. Students start their own businesses. They build real websites and design marketing campaigns for companies during internships. Every day presents opportunities to problem solve, think critically, and build something new. This learning happens throughout our unique program: from our specialized INCubatoredu entrepreneurship courses, to our technology courses, to AP Capstone which gives students a graduate school experience. We offer courses designed for amazing student outcomes. Most of these courses cannot be found anywhere else in the Central Valley.

Linked Learning Pathways

 Business, Entrepreneurship, and Technology – project management, online marketing, and web design

CTE Courses

- ► Advanced Online Marketing
- ► Advanced Web Development
- ► AP Computer Science Principles
- ► AP Research
- ► AP Seminar
- ▶ Business Startup Accelerator
- ► Business Startup Incubator
- ► Entrepreneurial Media
- Online Design and Marketing
- ► Project Management





TBD CTE Coordinator

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Roosevelt High School







Linked Learning Pathways

- ▶ Health Academy patient care and sports medicine
- ▶ Public Service criminal justice and leadership, EMT

California Partnership Academies

▶ Health Academy – patient care and sports medicine

CTE Programs

- ► Business and Marketing
- ► Fashion Design
- ► Teacher Academy

CTE Courses

- ► Applied Medical Sciences
- ► Art, Fashion, and Design
- ► Athletic Training
- Costume Design and Makeup
- ► Criminal Justice
- ► Design and Marketing
- ► Emergency Medical Technician
- Exploring Fashion/Textiles/Apparel Arts
- ▶ General Internship
- ► Health: Prevention. Fitness, and Nutrition
- ► Introduction to Public Safety
- ► Medical Health Careers
- ► Public Service Leadership
- ► Sports Medicine
- ► Teacher Academy: The Universal Career
- ► Video Production
- Videography
- ▶ WBL: Allied Health Careers
- ▶ WBL: Marketing and Enterprise

Opportunities to Shine

A historic campus filled with music wafting through the corridors. Teachers committed to helping you grow your talents and gain experiences to prepare you for a successful future. This is Roosevelt High School. You'll find unique opportunities to connect and shine at Roosevelt that will launch you into future careers like our Public Safety, Business, or Medical Academy programs. Whether you have music, design, drama, or sports in your blood, our dedicated staff will help you find creative ways to serve your community. Our goal is to help you succeed in academics, athletics, and/ or performances so you become a well-rounded person who gets the most out of life.



Dina Scambray CTE Coordinator

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Sunnyside High School







Where Everyone Wants You to Succeed

Sunnyside High School has over 60 clubs that will make you feel at home with something for everyone: challenging academics, extracurricular activities, a diverse student body, and extraordinary teachers who will go out of their way to make sure you achieve your goals.

Sunnyside is recognized as an AVID National Demonstration School. AVID stands for Advancement Via Individual Determination and is a college-bound program for traditionally under-served students. There are 450 students enrolled in our AVID Academies, which include the Doctors Academy, the Criminology & Behavioral Sciences Academy, and the AVID Academy. Sunnyside also offers Men's and Women's Alliances.



Linked Learning Pathways

- Agriscience and Technology agriculture mechanics and engineering (FFA)
- ► Health Sciences sports medicine and athletic training
- Multimedia and Marketing digital photography and marketing

California Partnership Academies

 Video Production Academy – broadcasting and cinematography

CTE Programs

- ► Doctors Academy (AVID)
- ► Teacher Academy

CTE Courses

- ► Advanced Digital Photography and Marketing
- ► Agricultural Engineering
- ► Agriculture Mechanics
- ► Applied Medical Sciences
- ► Athletic Training
- ► CDE Agricultural Biology
- CDE Agriculture Science I
- Cinematography
- ▶ Digital Photography and Marketing
- ▶ Digital Photography I
- ► Multimedia
- ▶ Digital Video Production and Broadcasting (ROP)
- ► Sports Medicine
- ► Teacher Academy: The Universal Career
- ▶ UCCI: Chemistry and Agriscience
- ► Video Production
- ▶ Videography



Emily Phelps
CTE Coordinator

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Center for Advanced Research and Technology







Labs

- ▶ Biomedicine
- ▶ Biotechnology
- ▶ Business and Finance
- ▶ Digital Marketing and Entrepreneurship
- ▶ Digital Media and Graphic Design
- ▶ Digital Video Production and Broadcasting
- ► Engineering, Manufacturing, and Robotics
- ▶ Environmental Science and Field Research
- ► Forensic Research and Biotechnology
- ► Interactive Game Design
- ► Law and Order and Policy
- Psychology and Human Behavior
- ► User EXperience (UX) Design
- ► Web Application Development

CTE Courses

- ► Advanced Science Topics
- ► Advanced Topics in Medicine
- ▶ Applications Programming
- ► Applied Design for Technology I & II
- ▶ Biotechnology Accelerated and Research
- ▶ Digital Video Production and Broadcasting
- Digital Media and Graphic Design
- Economics of Marketing and Advertising
- Engineering
- Environmental Science and Technology
- ► Forensic Research and Biotechnology
- ► Interactive Game Design
- Law and Order and Public Policy
- ► Money and Banking
- Physics and Technology
- ► Psychology and Human Behavior
- ► User Experience Design

The CART Vision

To create an environment where the students learn to use their minds well, to apply what they have learned in school to life long endeavors, to be technologically literate, and to develop the skills and self confidence to succeed in a globally competitive workforce.

The Center for Advanced Research and Technology (CART) is the most comprehensive, state-of-the-art education reform effort at the secondary level to date. CART combines rigorous academics with technical, design, process, entrepreneurial, and critical thinking skills.



Contact 559-248-7400 info@cart.org cart.org



Cambridge High School

Eligibility

Students must be 16 (or will turn 16 by the end of the semester) and off-track for graduation by 30 credits or more. RSP and SDC students may qualify for placement.

Structure

Cambridge is an optimal site for credit recovery, operating in a small school setting on a quarter system with classes meeting daily and flexible scheduling options.







CTE Courses

- ► Cybersecurity
- ▶ Integrated Marketing Communications
- ▶ Multimedia
- ► Work Experience Education



Contact

559-253-6560 CambridgeHS@fresnounified.org cambridge.fresnounified.org

DeWolf High School

Eligibility

Students must be 16 (or will turn 16 by the end of the semester) and off-track for graduation by 30 credits or more. RSP students may qualify for placement.

Structure

DeWolf is an optimal site for credit recovery, operating in a small school setting on a quarter system with classes meeting daily and flexible scheduling options.







CTE Courses

- ► Construction Technology I
- ▶ WBL: Construction Technology Exterior
- ► Work Experience Education



Contact

559-457-2990 DeWolfHS@fresnounified.org dewolf.fresnounified.org

J.E. Young Academic Center





CTE Courses

- ► Introduction to Public Safety
- ▶ Work Experience Education

Contact 559-457-3190 JEYoungHS@fresnounified.org jeyoung.fresnounified.org



Eligibility

Open to students in grades 9-12 with special circumstances or off-track for graduation by 30 credits or less. RSP students may qualify for placement.

Structure

JE Young is an optimal site for special circumstances, operating in a small school setting on a quarter system where students attend class 2-3 days per week and work independently from home the rest of the week.



Phoenix Secondary Academy





CTE Courses

- ▶ Design and Marketing
- ► Sustainable Agriculture
- ► Work Experience Education

Contact
559-253-6520
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phoenix2.fresnounified.org



Eligibility

Open to students in grades 7-12 with an expulsion or ERC referral based on a pattern of suspension or significant behavioral concerns. RSP and SDC students may qualify for placement.

Structure

Phoenix utilizes a school-wide behavior modification system in a small school setting where classes meet daily, with grades earned in a traditional semester grading system.



eLearn Academy

eLearn Academy is designed for students who are seeking a full-time online program with a flexible schedule. Offering all grade levels from TK to 12th grade, students get direct instruction from certified teachers using Microsoft Teams and other online platforms. Grade levels TK-8 ensures core curriculum. PE. music, and art. In grades 9-12, eLearn Academy offers curriculum that meets A-G requirements for the UC & CSU systems, and dual enrollment classes through Fresno City College. Students can also participate in activities including clubs, field trips, Fresno Unified eSports League (FUeL), and more.



CTE Courses

- ▶ Multimedia
- ▶ Video Production





Contact

559-248-5600 eLearnAcademy@fresnounified.org elearnacademy.fresnounified.org

Farber Educational Campus

Planned Opening 2024-2025 School Year

Located at Ventura and 10th, the new Farber Educational Campus will be the new home for the alternative education programs of Cambridge, J.E. Young, and eLearn.

Plans for the campus include an indoor-outdoor forklift training facility for the new CTE Warehousing and Logistics pathway.

Classes will be offered morning, afternoon, and evening to accommodate student schedules.





Michael Niehoff
Executive Director

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Middle School







CTE Courses

- ► Exploring Agriculture & Natural Resources
- Exploring Arts and Media
- ► Exploring Business and Finance
- ► Exploring Careers
- Exploring Energy and Utilities
- Exploring Engineering and Design
- ► Exploring Entrepreneurship
- ► Exploring Health and Medical Tech
- ► Exploring Information Technology
- ► Introduction to Computer Science
- ▶ Introduction to Multi Media
- ▶ Introduction to Plant and Soil Science
- ► Tournament of Technology

An Introduction to CTE

At the Middle School level, CTE focuses on career exploration and connecting with counseling. We want to help students think more deliberately about career options and deepen their knowledge about career choices and CTE pathway opportunities in high school. Additionally, we provide college tours that intentionally connect their career interests with college majors.







Tyesha Hendrix Manager II

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Career Center Services







Looking For a Job?

College and Career Readiness can help! Earn some extra cash, boost your college application, and gain valuable work experience! Visit your Career Center for more information.

Each high school campus has a College & Career Center where Job Developers offer all students an array of services and opportunities.



Career Center Staff ccr.fresnounified.org/jobs

Services and Workshops:

- ► School-wide Career Fair
- ► ASVAB Testing
- ► Employment/Job Opportunities and Applications
- ▶ Work Permits
- Internship Opportunities (paid and unpaid)
- ► College Application Support
- ▶ FAFSA/Dream Act Support
- ► UC Personal Insight Workshops
- ► SAT/ACT Registration
- Scholarship Information and Support
- College Presentations and On-Site Visits
- ► Work-Based Learning Experiences
- ▶ Online career planning: IMAGO and Xello







CTE IN 2022 /2023









11,966 STUDENTS



17,160 CERTIFICATIONS FARNED



1,949 STUDENT INTERNSHIPS



133 CTE-CREDENTIALED TEACHERS



776
BUSINESS
PARTNERS

Preparing Career-Ready Graduates

A career-ready graduate is a student who has all possible options available to them upon graduation from Fresno Unified School District. This student has a strong academic foundation, has completed required courses, and has acquired the workplace skills and competencies necessary for success after high school.

ccr.fresnounified.org









Work-Based Learning

WBL is an instructional strategy that involves interactions with industry or community professionals, either on or off-campus, that link school-based instruction to the world of work.

Benefits of Work-Based Learning:

- Makes direct connections between classroom learning and real-world applications.
- ▶ Develops college-and-career-ready skills.
- ► Provides students hands-on experiences with industry.
- Allows students to interact with industry professionals to get first-hand knowledge of the world of work.
- ▶ Increases engagement and adds relevance to course content.







For more information on ways to get involved, please scan the QR code