



Investing In Your Future



Madera Unified School District www.madera.k12.ca.us/Domain/1364
MUSD Course Guide courseguide.madera.k12.ca.us

Why choose Career Technical Education?

- Madera Unified CTE programs provide a pathway for higher education and rewarding careers, where industry experts use applied academics to teach real world skills.
- By enrolling in CTE classes students connect academics to real world situations that can lead to employment in growing high demand fields.
- Students are given opportunities to learn through meaningful hands on labs and work based learning on real and simulated job sites.
- Students learn skills that are applicable in both career and college, such as problem solving, teamwork, clearly communicating, planning, meeting deadlines, and collaborating.
- Students enrolled in CTE are increasingly high performers with higher than average graduation rates, and impressive post-secondary enrollment rates.
- Opportunities to earn free college credit through high school coursework.



Pathways In Career Sectors

Career Pathways are a sequence of courses that integrate academics with career relevant skills that are aligned with industry needs for an opportunity for high skills, high wage careers. The pathways are designed to lead students to a post-secondary degree or certification.

Changing approaches ... Changing perspectives ... the pathway to College and Career Readiness through Career Technical Education.



More than 4,500 students take a Career Technical Education Course everyday in Madera Unified.



Discover your "WHY" and push your "PASSION" to the next level through Career Technical Education.

Madera Unified offers pathways in **12 industry sectors** and many programs of study:

- **Agriculture and Natural Resource**
 - Agricultural Power Systems
 - Agriculture Mechanics Welding and Fabrication
 - Agriscience
 - Animal Science
 - Floral Design
 - Plant Science Viticulture and Enology
 - Ag Business
- **Arts Media and Entertainment**
 - Film and Video Production
 - Game Design and Animation
 - Performing Arts
 - Production and Managerial Arts
- **Building and Construction Trades**
 - Residential and Commercial Construction
- **Education, Child Development, and Family Services**
 - Early Childhood Education
 - Education
- **Engineering and Architecture**
 - Engineering Technology
- **Health Science and Medical Technology**
 - Nursing Careers
 - Sports Medicine and Athletic Training
- **Hospitality, Tourism and Recreation**
 - Culinary Arts
- **Information & Communication Technologies**
 - Computer Science
- **Marketing, Sales and Service**
 - Entrepreneurship and Self Employment
 - Marketing
- **Manufacturing and Product Development**
 - Robotics and Automation
- **Public Services**
 - Public Safety
- **Transportation**
 - Automotive Services and Repair
 - Heavy Truck Services and Repair



Experts predict 49 million job openings by 2020. About a third will require an Associate's Degree or Certificate, and nearly all will require real world skills that can be mastered through CTE.



16 Career Technical Education courses receive college and high school credit.

CAREER TECHNICAL EDUCATION: Investing In Your Future



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