

# California's Career Technical Education:

## Preparing Students for the 21st Century and Beyond

California has a pool of talent that both attracts the world's leading businesses and hastens the development and success of new ones, creating opportunities for all."

—Tom Torlakson, State Superintendent of Public Instruction

"We seek the day when every enterprise in California—public and private—has access to a pool of talent that both attracts the world's leading businesses and hastens the development and success of new ones, creating opportunities for all."

### INDUSTRY SECTORS

**Engineering and Architecture**

- Architectural Design
- Engineering Technology
- Engineering Design
- Environmental Engineering

**Building and Construction Trades**

- Cabinetry, Millwork, and Woodworking
- Engineering and Heavy Construction
- Mechanical Systems Installation and Repair
- Residential and Commercial Construction

**Transportation**

- Operations
- Structural Repair and Refinishing
- Systems Diagnostics, Service, and Repair

**Fashion and Interior Design**

- Fashion Design and Merchandising
- Interior Design
- Personal Services

**Education, Child Development, and Family Services**

- Child Development
- Consumer Services
- Education
- Family and Human Services

**Hospitality, Tourism, and Recreation**

- Food Science, Dietetics, and Nutrition
- Food Service and Hospitality
- Hospitality, Tourism, and Recreation

**Marketing, Sales, and Services**

- Marketing
- Professional Sales
- Entrepreneurship/Self-Employment

**Arts, Media, and Entertainment**

- Design, Visual, and Media Arts
- Performing Arts
- Production and Managerial Arts
- Game Design and Integration

**Energy, Environment, and Utilities**

- Environmental Resources
- Energy and Power Technology
- Telecommunications

**Health Science and Medical Technology**

- Biotechnology
- Patient Care
- Health Care Administrative Services
- Health Care Operational Support Services
- Public and Community Health
- Mental and Behavioral Health

**Manufacturing and Product Development**

- Graphic Production Technologies
- Machining and Forming Technologies
- Welding and Materials Joining
- Product Innovation and Design

**Business and Finance**

- Business Management
- Financial Services
- International Business

**Public Services**

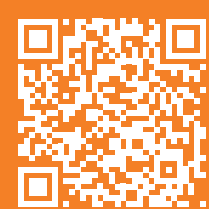
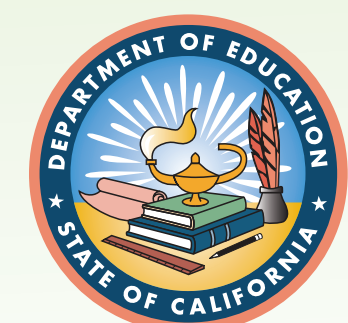
- Public Safety
- Emergency Response
- Legal Practices

**Agriculture and Natural Resources**

- Agricultural Business
- Agricultural Mechanics
- Agriscience
- Animal Science
- Forestry and Natural Resources
- Ornamental Horticulture
- Plant and Soil Science

**Information and Communication Technologies**

- Information Support and Services
- Networking
- Software and Systems Development
- Games and Simulation



<http://www.cde.ca.gov/ci/ct/sf/ctemcstandards.asp>