



CONTACT INFORMATION

US State Name: California

State Abbreviation: CA

State Economic Development Web Address:
<http://www.business.ca.gov>

Address:

1325 J Street, Suite 1800
Sacramento, CA 95814

State Economic Development Email Address:
<https://gobiz.zendesk.com/hc/en-us/requests/new>

State Economic Development Phone Number: 1
(877) 345 4633

INCOME AND OUTPUT

This section highlights the state's productivity and income to provide an understanding of the amount of business conducted and the rate of growth for businesses and individuals.

Sources: www.census.gov, [US Bureau of Labor Statistics](http://www.bls.gov)

Gross Domestic Product, in millions: 2.4 trillion USD in 2015 – 6th largest in world

Gross Domestic Product % Growth: 5.7% from 2014 and 4.2% from 2015

Per Capita Personal Income (*GDP/Population) This is often used as a standard of living measurement:

\$53,741 in 2015

Per Capita Personal Income % Change: 4.02% from 2014

WORKFORCE

This section gives manufacturers an idea of the industry's environment in the state, including the makeup of the available workforce, the labor requirements, and recent trends.

Sources: www.census.gov, [US Bureau of Labor Statistics](http://www.bls.gov)

Total Population: 37,253,956 (2010) Estimated 39,144,818 (2015)

Total Civilian Labor Force: 19,164,633 (Dec 2016)

Total Number of Persons Employed: 13,838,702 (Dec 2016)

Total Number of Persons Unemployed: 18,165,425 (Dec 2016)

Unemployment Rate %: 5.2% (Dec 2016)

Manufacturing Employment: 1,282,800 (Dec 2016)

Professional and Business Services Employment: 2,591,100 (Dec 2016)

State Right-to-Work Law Y/N: Yes

Note: To keep the content accessible, data was limited to the two largest factory closures/ openings occurring in California in 2016.

Large Factory Openings during Previous year:

1. **Tesla — Freemont, CA**
Oct 2016
3,100 jobs

2. **Verve Coffee, San Francisco, CA**
Aug 2016
500 job

Large Factory Closures during Previous year:

3. **Ashley Furniture Colton, CA**
Sept 2016
840 jobs

4. **Kraft-Heinz — Fullerton, CA**
2016
430 jobs

EDUCATION

This section provides further insight into the potential workforce education levels, advanced areas of education, and partnerships between higher education and industry for insight into quality of labor force and growth sustainability.

Sources: US Census 2010, California Postsecondary Education Commission (CPEC), California Community Colleges Chancellor's Office (CCCCO) Division of Economic and Workforce Development (EWD)

% High School Diploma or More: 81.8% (2011-2015)

% Bachelor's Degree or Higher: 31.4% (2011-2015)

Enrollment in Higher Education Institutions: 631,968 (2010)

Science and Engineering Graduate Students: 27,105 (2010)

Workforce Education in California

California's commitment to education is undeniable. Ranked one of the best in the United States for higher education, California is home to the nation's largest network of post-secondary public education facilities. Each of the one-hundred and fifty institutions cultivate and sustain partnerships with business to create cutting-edge occupational training programs in a variety of manufacturing industries.

Manufacturing accounts for 23% of the state's economic output and California leadership understands that a skilled workforce is a key factor to sustaining the State's economic health. The development of solid relationships between business leaders and California's educational institutions is of prime importance and collaboration and communication is crucial when creating innovative, affordable, and relevant industry-specific education.

In 2012, keeping California's vast geographic, economic, and cultural diversity in mind, the California Community Colleges Chancellors Office (CCCCO) Division of Economic and Workforce Development (EWD) developed, the Doing What Matters for Jobs and the Economy framework. In accordance with the US Workforce Innovation and Opportunity Act (WIOA) and the California Strong Workforce Program, together with seven state-level agencies and private sector partners, put the framework into action.

The comprehensive strategy emphasizes *investing* funding and resources in industry sectors that are fundamental to California's economic growth. EWD's industry-specific workforce services are coordinated through a system of sector specialists that align community college and other workforce development resources with the needs of industry sectors and occupational clusters through a regional focus.

Upon identifying the ten fundamental industry sectors California was divided into seven unique macro-regions, and then subdivided into fifteen distinct economic regions. Each region formed a specialized team of experts recruited from city, county, and state government, local industry, and private and public economic development groups. Using their expertise, the teams began concentrating on particular clusters of industry sectors within their regions. Fostering partnerships with business and government to create highly specialized industry training, technical consulting and business development services in the pursuit of the shared vision of a California workforce capable of meeting the demands of the future and driving the state's economic growth.

In 2016, California became the sixth largest economy worldwide. It currently leads the nation in job creation, foreign investment, venture capital funding, entrepreneurial enterprise, and workforce development. What do Del Monte, Apple, Microsoft, The Gap, Intuit, Mozilla, Netflix, eBay, Tesla, Walt Disney, and Twitter have in common? All American household names, all hugely profitable with each dominate in their industry. They were also all born and raised in California. The states incredible abundance of natural assets, diverse economic versatility, and trail-blazing initiative to create industry, all backed by a network of comprehensive assistance programs and plentiful incentive opportunities give companies in The Golden State a reason to say, "Eureka!"

Manufacturing businesses interested in relocating to California have access to a wide variety of easy-to-use digital resources like the California Business Portal and the CalGOLD Permitting Database. Private organizations like Team California, the California Association for Local Economic Development (CALED), and the regional Economic Development Corporations (EDC) along with the dedicated people of the state agencies and programs that make up of the Governor's Office of Business and Economic Development (GO-Biz) are standing by with an arsenal of talent. Primed and ready to assist and through their strong regional partnerships will connect businesses to workforce development services, expert site selection specialists, employment services, education and training opportunities, investment prospects, and financing opportunities from local, state, and federal programs.

One of the reasons more manufacturing businesses prosper in California is business directly has a hand in shaping the emerging workforce. Government works in tandem with private industry to fashion customized, relevant curriculum in a wide range of professions. This array of job-specific degree and certification programs is "manufacturing" a workforce tailor-made for optimal success.

Each region has an individual focus and access to distinct resources but each also offers occupational workforce training, spanning essential business areas. Manufacturing companies in any of the ten key business sectors, who are considering California as a potential location, can find valuable contact information and resources dedicated to their specific trades using the mapping tools and hyperlinks on the next page.

The GO-Biz California Business Portal Mapping Tool helps companies decide where to locate and it shows locations of business assistance programs, workforce development organizations, entrepreneurship support, and regulatory boundaries located across the state.

<http://california.maps.arcgis.com/apps/MapSeries/index.html?appid=f69828845dc94cbfbc380597792e177>

CCCCO EWD's Resource Map provides regional information and sector division contacts, statistics on growth potential, site selection resources, funding opportunities with emphasis on the regions priority/emerging business sectors, and the workforce training programs available.

<http://doingwhatmatters.cccco.edu/ResourceMap.aspx>

Top Ten Industries

Fundamental to Growing and Maintaining a Healthy Economy

<i>Business Sectors</i>	<i>Program/Department</i>	<i>Contact Info</i>
Advanced Manufacturing	California Centers for Applied Competitive Technologies (CACT)	www.makingitinCalifornia.com
Advanced Transportation and Renewable Energy	Advanced Transportation & Renewable Energy (ATRE)	www.atreeducation.org
Agriculture, Water & Environmental Technologies	Agriculture, Water, and Environmental Technology Initiative	www.calagcc.org
Energy, Construction & Utilities	The Energy Construction and Utilities Sector initiative	www.esusectordwn.com
Global Trade and Logistics	California Centers for International Trade Development	www.citd.org
Health	California Health Workforce Initiative	www.ca-hwi.org
Information/Communication Tech./Digital Media	ICT - Digital Media	http://ict-dm.net/
Life Sciences/Biotech	Cal Biotech Careers	http://www.calbiotechcareers.org/
Retail/Hospitality/Tourism	Retail, Hospitality, And Tourism Initiative	http://www.californiarht.com/
Small Business	The Small Business Sector	http://www.smallbusinesssector.net/contact.php

List of High Schools, College or University Manufacturing Partnership Programs (2015). *These are partnerships with manufacturers to help train future employees in certain skills:*

California High Schools

California has over 3,000 public and charter secondary schools, and many of them already host occupational or workforce-training programs developed through a partnership with private sector professionals. Expanding curriculum in core STEM subjects and implementation of introductory career tracks in advanced manufacturing in the K-12 range is currently in development. This is a shortened list of some of the existing programs. Businesses interested in learning more about these programs are encouraged to contact the California Department of Education or visit the links provided below.

Career Technical Education Leadership and Instructional Support Office
Career and College Transition Division

California Department of Education
1430 N Street, Suite 4202
Sacramento, CA 95814

916-322-5050

<http://www.cde.ca.gov/ci/ct/ie/>

<http://www.cde.ca.gov/re/di/or/scald.asp>

Program	Institution	Specialty Area	Year
Aztec Engineering and Manufacturing Academy Paxton/Patterson	Esperanza High School, Anaheim, CA	Robotics, Automobile, Environmental, Alternative Energy Architectural Design, Materials and Construction Manufacturing	N/A
School of Engineering and Manufacturing	Hawthorne High School – Los Angeles, CA	Various	2004
Career Technical Education (CTE) Program	John Glen High School, Norwalk, CA	Civil Engineering Architecture, Engineering	N/A
NIMS (National Institute for Metalworking Skills) CREDENTIALING	Petaluma High School, Petaluma, CA	Precision Machining	N/A
Project STRIP	Rocklin High School, Rocklin, CA	Pre apprenticeship in a variety of Mechanical, Electrical, Industrial fields	N/A
Career Technical Education (CTE) Program	San Pasqual High School, Escondido, CA	Construction, Culinary Arts, Agricultural Mechanic, Product Development, Architecture	N/A

Universities of California (UC)

Program	Region	Institution	Specialty Area(s)
School of Engineering	North Bay	UC Berkeley	Bioengineering, Civil & Environmental Engineering, Electrical Engineering & Computer Science, Engineering Science. Industrial Engineering and Operations Research, Materials Sciences, Mechanical, and Nuclear Engineering
Davis School of Engineering	Greater Sacramento	UC Davis	Agricultural Sciences and Technology, Biomedical and Biological Systems Engineering, Mechanical and Aerospace, Civil and Environmental, Electrical and Computer, Materials Science, Transportation, Energy Systems
The Henry Samueli School of Engineering	Orange	UC Irvine	Biomedical, Chemical, Materials Science, Civil and Environmental, Electrical and Computer Sciences, and Mechanical/Aerospace Engineering

School of Engineering	Los Angeles	UCLA	Bioengineering, Chemical and Biomolecular, Civil and Environmental, Mechanical and Aerospace, Materials Sciences
Foster Family Center for Engineering Service Learning	Central Valley	UC Merced	Bioengineering, Computer Science, Environmental, Materials Science and Mechanical
Bournes College of Engineering	Inland Empire	UC Riverside	Bioengineering, Chemical and Environmental, Computer Science and Computer Engineering, Electrical. Materials Science and Mechanical
School of Engineering	San Diego/Imperial	UC San Diego	Bioengineering, Mechanical and Aerospace Engineering, Electrical and Computer Engineering, Nano engineering, Structural Engineering,
Science & Health Education Partnership (SEP)	North Bay	UC San Francisco	Medical Sciences with Local Construction Hiring Program
School of Engineering	South Central	UC Santa Barbara	Chemical, Mechanical, Electric & Computer, Computer Science, Materials, Technology Management
Jack Baskin School Of Engineering	Santa Cruz, Monterey	UC Santa Cruz	Biomolecular Engineering (BME), Computational Media (CM), Computer Engineering (CE), Computer Science (CS), Electrical Engineering (EE) and Technology Management

California State Universities (CSU)

Program	Region	Institution	Specialty Area(s)
FabLab at CSUB, California Energy Research Center (CERC)	Central Valley	Bakersfield	Agriculture, Water, and Environmental Technology, Energy, Construction & Utilities
School of Applied Physics and Computer Sciences and Technology	Central Coast	Channel Islands	Robotics, Security Systems, Bioengineering
Career Training Programs in Construction, Environmental Energy and	Northern California	Chico	Agriculture, Water, and Environmental Technology, Energy, Construction & Utilities
Toyota Center for Innovation	Los Angeles	Dominguez Hills	Advanced Transportation and, Renewable Energy, Health
	Bay Area	East Bay	Biomedical Technology

Fresno State Career Connections, Career Development Center	Central Valley	Fresno	Agriculture, Water, and Environmental Technology,
College of Computer Engineering and Computer Science, Teach for University Extended Education	Los Angeles	Fullerton	Civil and Environmental Engineering, Mechanical, Computer and Software, Electrical Engineering
ERE, Academic and Career Advising Center	Northern California	Humboldt	Environmental Engineering and Environmental systems
College of Engineering, CareerLINK, NASA and STEM Internships	Los Angeles	Long Beach	Chemical, Civil and Construction, Computer, Electrical, Mechanical and Aerospace Engineering
College of Engineering, Computer Science, and Technology, MESA Engineering Program, Professional Practice Program (PPP)	Los Angeles	Los Angeles	Civil, Mechanical, Electronic, Computer Engineering
US Navy, Coast Guard, Air Force School	Bay Area	Maritime	Marine, Facilities, Mechanical Engineering
The School of Computing & Design (SCD)	Central Coast	Monterey Bay	Computer Systems, Communications
Advising Resource Center/EOP, College of Engineering and Computer Science,	Los Angeles	Northridge	Civil, Construction, Electrical, Computer, Mechanical, Manufacturing Systems, Safety Engineering
The Robotics Education Through Active Learning (R.E.A.L.), Engineering Project Symposium	Inland Empire	Pomona	Agriculture, Water, and Environmental Technology Initiative, Aerospace, Industrial & Manufacturing, Mechanical, Electrical & Computer, Civil, Chemical and Material Engineering, Architecture
College of Engineering and Computer Science ECS Career Services	Sacramento	Sacramento	Civil, Computer, Construction Management, Electrical and Electronic, Mechanical, Aerospace
School of Computer Science and Engineering	Inland Empire	San Bernardino	Computer, Bioinformatics
School of Engineering, MESA Engineering Program	San Diego	San Diego	Electrical and Computer, Mechanical, Computer, Software, Bio, Aerospace,
School of Science and Engineering, Institute for Civic and Community Engagement (ICCE)	Bay Area	San Francisco	Civil, Electrical, Computer, Mechanical, and Biomedical
Davidson College of Engineering	Bay Area	San Jose	Aerospace, Chemical, Civil, Computer, Electrical, Industrial and Systems, Materials and Engineering, Technology and Aviation
BRAE Department's BioResource and Agricultural Engineering (BRAE), Agricultural Operations	Central Coast	San Luis Obispo	Agriculture, Water, and Environmental Technology Initiative

(Ag Ops)			
College of Science and Mathematics	San Diego	San Marcos	Biotechnology
Cerent Engineering Science Complex MESA and CREST	Northern California	Sonoma	Electrical, Computer Engineering
	Central Valley	Stanislaus	Agriculture, Water, and Environmental Technology Initiative

California Community Colleges (CCC)

The list below is a sample and contains the occupational training programs developed through business partnership in three of the ten key industries, Advanced Manufacturing, Advanced Transportation & Renewables, and Advanced Energy, Construction & Utilities. This represents only a fraction of the training programs available throughout California.

Program	Institution	Specialty Area	Year
Automotive Collision Repair	Alameda, College of	Auto Body	1970
Automotive Collision Repair	Alameda, College of	Auto Paint	1991
Aviation Airframe Mechanics	Alameda, College of	Aviation Maintenance Technology: Airframe Technician	1970
Diesel Technology	Alameda, College of	Diesel Mechanics	1970
Automotive Technology	Alameda, College of	Drivetrain Specialist	1995
Automotive Technology	Alameda, College of	Engine Performance	1970
Automotive Technology	Alameda, College of	Automotive Electronics Specialist	1995
Automotive Technology	Alameda, College of	Engine Repair Specialist	1995
Automotive Technology	Alameda, College of	Chassis Specialist	1995
Automotive Technology	Alameda, College of	Light Duty Auto Repair	1995
Automotive Technology	Alameda, College of	Chassis and Drivetrain	1995
Aviation Power plant Mechanics	Alameda, College of	Aviation Maintenance Technology: Power plant Technician	1970
Automotive Collision Repair	Allan Hancock College	Auto Body Metal	1970
Automotive Collision Repair	Allan Hancock College	Auto Body Technology	1970
Architectural Drafting	Allan Hancock College	Architectural Drafting	1970
Automotive Technology	Allan Hancock College	Auto Engine Rebuilding	1988
Automotive Technology	Allan Hancock College	Auto Service Management	1971
Automotive Technology	Allan Hancock College	Auto Tune-Up & Diagnostic Procedures	1988


Automotive Technology	Allan Hancock College	Automotive Chassis	1988
Automotive Technology	Allan Hancock College	High-Tech Gen. Mechanic: Tune-Up Emission Control Specialist	1988
Automotive Technology	Allan Hancock College	High-Tech Gen. Mechanic: Engine, Power Trains Specialist	1988
Electrical	Allan Hancock College	Electrical Apprenticeship	1970
Electronics and Electric Technology	Allan Hancock College	Electronics Technology: Mechatronics	2007
Electronics and Electric Technology	Allan Hancock College	Electronics Technology	1970
Electronics and Electric Technology	Allan Hancock College	Electronics Technology: Digital Systems	1992
Electronics and Electric Technology	Allan Hancock College	Basic Electronic Training	1970
Engineering Technology, General	Allan Hancock College	Engineering Technology	1970
Engineering Technology, General	Allan Hancock College	Electronic Engineering Technology	1989
Engineering Technology, General	Allan Hancock College	Civil Engineering Technology	1970
Engineering Technology, General	Allan Hancock College	Engineering Technology: Mechatronics	2007
Engineering, General (requires Calculus) (Transfer)	Allan Hancock College	Engineering	1991
Heavy Equipment Maintenance	Allan Hancock College	Apprenticeship: Operating	1960
Machining and Machine Tools	Allan Hancock College	Machine Technology: Maintenance Machining	1970
Machining and Machine Tools	Allan Hancock College	Machine Technology: General Machining	1970
Machining and Machine Tools	Allan Hancock College	Machine Technology: Production Machining	1970
Other Engineering, Industrial Technology	Allan Hancock College	Space Operations: Electronics Technology	1997
Plumbing, Pipefitting, and Steam fitting	Allan Hancock College	Plumbing Apprenticeship	1970
Telecommunications Technology	Allan Hancock College	Electronics Technology: Communications Systems	1992
Welding Technology	Allan Hancock College	Welding Technology: Metal Fabrication	1970
Welding Technology	Allan Hancock College	Welding Technology: Pipe Welding	1970
Welding Technology	Allan Hancock College	Welding Technology: General Welding	1970

Automotive Collision Repair	American River College	Automotive Collision Technology	1958
Diesel Technology	American River College	Diesel Technology	1958
Diesel Technology	American River College	Diesel Technology [A.S. degree]	1958
Automotive Technology	American River College	Automotive Technology	1975
Automotive Technology	American River College	Transmission Service	1980
Automotive Technology	American River College	Automotive Analysis	2001
Automotive Technology	American River College	Automotive Component Service Technician	1980
Automotive Technology	American River College	Automotive Claims Estimator	2004
Automotive Technology	American River College	Automotive Service Technician	1980
Carpentry	American River College	Carpenter Apprenticeship	1984
Drafting Technology	American River College	Design Technology	1957
Drywall and Insulation	American River College	Drywall/Lathing Apprenticeship	2000
Electrical	American River College	Electrical Sound and Communications Apprenticeship	2003
Electrical	American River College	Electrical Apprenticeship	1986
Electrical	American River College	Residential/Commercial Electrician Trainee	2006
Electrical	American River College	Electrical Residential Apprenticeship	2007
Electronics and Electric Technology	American River College	Electronic Systems Technology	1960
Electronics and Electric Technology	American River College	Mechatronics	2005
Engineering Technology, General	American River College	Engineering Technology	1970
Engineering, General (requires Calculus) (Transfer)	American River College	Engineering: Transfer	1969
Sheet Metal and Structural Metal	American River College	Apprenticeship: Sheet Metal-Residential	2008
Sheet Metal and Structural Metal	American River College	Sheet Metal Service Technician Apprenticeship	2003
Sheet Metal and Structural Metal	American River College	Ironworkers Apprenticeship	2000
Sheet Metal and Structural Metal	American River College	Sheet Metal Apprenticeship	1997
Telecommunications Technology	American River College	Telecommunication Specialist	2007
Welding Technology	American River College	Welding Technology	1970

Automotive Collision Repair	Antelope Valley College	Auto Collision Repair Specialist	1970
Automotive Collision Repair	Antelope Valley College	Auto Refinishing Specialist	1970
Automotive Collision Repair	Antelope Valley College	Automotive Collision Repair and Refinishing Specialist	1970
Aviation Airframe Mechanics	Antelope Valley College	Aircraft Airframe	1999
Aeronautical and Aviation Technology	Antelope Valley College	General Aircraft Maintenance	1970
Aircraft Fabrication	Antelope Valley College	Aircraft Fabrication and Assembly Technician	2004
Automotive Technology	Antelope Valley College	Drivability, Emissions, and Electrical	1970
Automotive Technology	Antelope Valley College	Engine and Drive Trains	1970
Aviation Power plant Mechanics	Antelope Valley College	Aircraft Power plant	1999
Drafting Technology	Antelope Valley College	Drafting/Computer Aided Design	1970
Electrical	Antelope Valley College	Electrical Technology	2002
Electronics and Electric Technology	Antelope Valley College	Electronics Technology	1970
Engineering Technology, General	Antelope Valley College	Engineering Technology	1970
Engineering, General (requires Calculus) (Transfer)	Antelope Valley College	Engineering	1970
Environmental Control Technology (HVAC)	Antelope Valley College	Refrigeration Specialist	1970
Environmental Control Technology (HVAC)	Antelope Valley College	Air Conditioning-Refrigeration Specialist	1970
Environmental Control Technology (HVAC)	Antelope Valley College	Air Conditioning Specialist	1970
Welding Technology	Antelope Valley College	Welding	1970
Automotive Technology	Bakersfield College	Auto Power Trains	1970
Automotive Technology	Bakersfield College	Auto Brakes & Wheel Alignment	1970
Automotive Technology	Bakersfield College	Auto Engine Overhaul	1970
Automotive Technology	Bakersfield College	Auto Tune-Up and Emissions	1970
Automotive Technology	Bakersfield College	Industrial Technology: Automotive	1970
Carpentry	Bakersfield College	Carpentry Apprenticeship	1970
Construction Crafts Technology	Bakersfield College	Industrial Technology: Construction	1990
Drafting Technology	Bakersfield College	Industrial Drawing	1989

Drafting Technology	Bakersfield College	Industrial Technology: Industrial Drawing	1970
Electrical	Bakersfield College	Electrician Apprenticeship	1970
Electronics and Electric Technology	Bakersfield College	Industrial Technology: Electronics	1970
Engineering Technology, General	Bakersfield College	Engineering Technology	1987
Engineering, General (requires Calculus) (Transfer)	Bakersfield College	Engineering	1970
Heavy Equipment Operation	Bakersfield College	Operating Engineer Apprenticeship	1970
Manufacturing and Industrial Technology	Bakersfield College	Industrial Tech: Manufacturing Technology Option	1970
Manufacturing and Industrial Technology	Bakersfield College	Industrial Technology (General)	1973
Manufacturing and Industrial Technology	Bakersfield College	Control Systems Technology	2006
Mill and Cabinet Work	Bakersfield College	Industrial Technology: Woodworking & Cabinetmaking	1970
Plumbing, Pipefitting, and Steam fitting	Bakersfield College	Plumbers & Steamfitters Apprenticeship	1970
Sheet Metal and Structural Metal	Bakersfield College	Sheet metal Apprenticeship	1970
Welding Technology	Bakersfield College	Industrial Technology: Welding	1970
Diesel Technology	Barstow College	Diesel Technology	1988
Automotive Technology	Barstow College	Automotive Technology	2008
Automotive Technology	Barstow College	Automotive Technology	1972
Electrical	Barstow College	Residential Electrical	2007
Electronics and Electric Technology	Barstow College	Electronics Technology	1970
Electronics and Electric Technology	Barstow College	Electronics Technology	2008
Welding Technology	Barstow College	Welding	2008
Welding Technology	Barstow College	Welding	1970
Automotive Technology	Butte College	Automotive Technology	1970
Construction Inspection	Butte College	Building Inspection Technology	1981
Drafting Technology	Butte College	Drafting and CAD Technology	1970
Engineering Technology, General	Butte College	Civil Engineering Technology	1970
Engineering, General (requires Calculus) (Transfer)	Butte College	Engineering	1970
Heavy Equipment Operation	Butte College	Heavy Equipment Operator	1978

		Technician	
Welding Technology	Butte College	Welding Technology	1974
Civil and Construction Management Technology	Cabrillo College	Construction & Energy Management	1988
Construction Inspection	Cabrillo College	Building Inspection	1988
Engineering Technology, General	Cabrillo College	Engineering Technology	1999
Engineering, General (requires Calculus) (Transfer)	Cabrillo College	Engineering	1959
Engineering, General (requires Calculus) (Transfer)	Canada College	Engineering	1968
Architectural Drafting	Canyons, College of the	Architectural Drafting	1975
Architectural Drafting	Canyons, College of the	Architectural Drafting [A.S. degree]	1975
Automotive Technology	Canyons, College of the	Automotive Technology	2006
Automotive Technology	Canyons, College of the	Automotive Technology	2006
Civil and Construction Management Technology	Canyons, College of the	Construction Management Technology	2006
Civil and Construction Management Technology	Canyons, College of the	Construction Management Technology	2006
Construction Inspection	Canyons, College of the	Building Inspection	2007
Engineering, General (requires Calculus) (Transfer)	Canyons, College of the	Engineering	2000
Manufacturing and Industrial Technology	Canyons, College of the	Manufacturing Technology	1999
Surveying	Canyons, College of the	Land Surveying	2006
Surveying	Canyons, College of the	Land Surveying	2006
Water and Wastewater Technology	Canyons, College of the	Water Systems Technology	1986
Water and Wastewater Technology	Canyons, College of the	Water Systems Technology	2009
Welding Technology	Canyons, College of the	Welding Technology	1975
Automotive Collision Repair	Cerritos College	General Automotive Collision Repair	1970
Industrial Electronics	Cerritos College	Industrial Electronics	1968
Automotive Technology	Cerritos College	Auto Mechanical Repair Technology: General Technician	1964
 Automotive Technology	Cerritos College	Automotive Mechanical Repair	1964
Automotive Technology	Cerritos College	Auto Mechanical Repair Tech: Manufacturer Specialty	1964

Automotive Technology	Cerritos College	Auto Mechanical Repair Tech: Engine/Machining Technology	1964
Automotive Technology	Cerritos College	Auto Mechanical Repair Technology: Electrical/Diagnosis Tech	1964
Computer Electronics	Cerritos College	Electronics: Computer Servicing	1968
Drafting Technology	Cerritos College	Engineering Design Technology	1961
Drafting Technology	Cerritos College	Engineering Design Technology	1961
Electronics and Electric Technology	Cerritos College	Industrial Technology: Electronics (transfer)	1968
Electronics and Electric Technology	Cerritos College	Electronics Technology	1964
Engineering Technology, General	Cerritos College	Industrial Technology: Manufacturing (transfer)	1964
Engineering Technology, General	Cerritos College	Industrial Technology: Construction (transfer)	1968
Engineering, General (requires Calculus) (Transfer)	Cerritos College	Engineering (requires Calculus) (Transfer)	1962
Industrial Quality Control	Cerritos College	Industrial Technology: Quality Assurance (transfer)	1988
Machining and Machine Tools	Cerritos College	Numerical Control Tool Programmer	2005
Machining and Machine Tools	Cerritos College	Machine Tool Technology	1964
Machining and Machine Tools	Cerritos College	Apprenticeship: Machine Tool Technology	1964
Machining and Machine Tools	Cerritos College	Machinist	2005
Machining and Machine Tools	Cerritos College	Tool and Die Maker	2005
Machining and Machine Tools	Cerritos College	Numerical Control Machine Operator	2005
Machining and Machine Tools	Cerritos College	Machine Tool Technology	1964
Manufacturing and Industrial Technology	Cerritos College	Industrial Technology: Automated Manufacturing	1968
Mill and Cabinet Work	Cerritos College	Woodworking Manufacturing Technologies	1970
 Mill and Cabinet Work	Cerritos College	Woodworking Manufacturing Technology: Furniture Making	2004
Mill and Cabinet Work	Cerritos College	Woodworking Manufacturing Technology: Cabinetmaking	2004

Plastics and Composites	Cerritos College	Plastics/Composite Mfg. Tech: Plastics Manufacturing	1976
Plastics and Composites	Cerritos College	Plastics/Composite Mfg. Tech: Plastic/Composite Tool Design	1976
Plastics and Composites	Cerritos College	Plastics/Composites Manufacturing Tech: Composite Inspection	1976
Plastics and Composites	Cerritos College	Plastics/Composites Manufacturing: Composites Manufacturing	1972
Telecommunications Technology	Cerritos College	Electronics: Communications Technology	1968
Welding Technology	Cerritos College	Arc Welding	1963
Welding Technology	Cerritos College	Pipe Welding	1963
Welding Technology	Cerritos College	Arc Welding	1963
Welding Technology	Cerritos College	Pipe Welding	1963
Welding Technology	Cerritos College	Inert Gas Welding	1963
Welding Technology	Cerritos College	Welding Fabrication and Layout	2008
Automotive Technology	Cerro Coso Community College	Automotive Technology	1977
Drafting Technology	Cerro Coso Community College	Engineering Drafting Technology	1970
Electronics and Electric Technology	Cerro Coso Community College	Electronics Technology	1975
Engineering Technology, General	Cerro Coso Community College	Engineering Technology	1983
Engineering, General (requires Calculus) (Transfer)	Cerro Coso Community College	Pre-Engineering	1970
Machining and Machine Tools	Cerro Coso Community College	Machine Tool Technology	1970
Other Engineering, Industrial Technology	Cerro Coso Community College	Trades Practices	1996
Welding Technology	Cerro Coso Community College	Welding Technology	1970
Industrial Electronics 	Chabot College	Plant Engineering Apprenticeship--Industrial Electronics	2003
Automotive Technology	Chabot College	Automotive Apprenticeship	1985


Automotive Technology	Chabot College	Automotive Technology, Automotive Maintenance Technology	1970
Automotive Technology	Chabot College	Automotive Diagnostic Technology	1970
Automotive Technology	Chabot College	Automotive Mechanics	1970
Automotive Technology	Chabot College	Automotive Chassis Technology	1970
Carpentry	Chabot College	Plant Engineering Apprenticeship -- Carpentry	2003
Electrical	Chabot College	Electrical Apprenticeship	1975
Electrical	Chabot College	Plant Engineering Apprenticeship -- Electrical	2003
Engineering, General (requires Calculus) (Transfer)	Chabot College	Engineering	2008
Environmental Control Technology (HVAC)	Chabot College	Plant Engineering Apprenticeship--Air Conditioning & Refrigeration	2003
Machining and Machine Tools	Chabot College	Numerical Control/ Numerical Control Programmer (Machinist)	1970
Machining and Machine Tools	Chabot College	Machine Tool Technology/Tool Maker	1970
Machining and Machine Tools	Chabot College	Machinist	1970
Manufacturing and Industrial Technology	Chabot College	Engineering Technology, Manufacturing	1970
Manufacturing and Industrial Technology	Chabot College	Industrial Technology	1976
Painting, Decorating, and Flooring	Chabot College	Drywall Finishing Apprenticeship	2006
Painting, Decorating, and Flooring	Chabot College	Painters Apprenticeship	2006
Plumbing, Pipefitting, and Steam fitting	Chabot College	Plant Engineering Apprenticeship-- Plumbing & Pipefitting	2003
Roofing	Chabot College	Roofing Apprenticeship	1993
Sheet Metal and Structural Metal	Chabot College	Plant Engineering Apprenticeship -- Sheet Metal	2003
Technical Illustration	Chabot College	Technical Illustration	1985
Telecommunications Technology	Chabot College	Telecommunications Apprenticeship	1994

Welding Technology	Chabot College	Welding Technology	1970
Automotive Collision Repair	Chaffey College	Automotive Collision Repair Technology	1971
Aviation Airframe Mechanics	Chaffey College	Aeronautics: Airframe	1970
Instrumentation Technology	Chaffey College	Instrumentation Technology Level II	2004
Architectural Drafting	Chaffey College	Drafting Technician: Architectural	1970
Automotive Technology	Chaffey College	General Automotive Service Technician	2004
Automotive Technology	Chaffey College	Engine Performance (Smog Check) Technician	2004
Automotive Technology	Chaffey College	Master Automotive Technician	1970
Aviation Power plant Mechanics	Chaffey College	Aeronautics: Power plant	1970
Electrical Systems and Power Transmission	Chaffey College	Industrial Electrical Technology Level II	2004
Electrical Systems and Power Transmission	Chaffey College	Industrial Electrical Technician	1970
Electro-Mechanical Technology	Chaffey College	Electromechanical Technology Level II	2004
Electro-Mechanical Technology	Chaffey College	Electromechanical Technology Level III	2004
Engineering, General (requires Calculus) (Transfer)	Chaffey College	Engineering (required Calculus) (Transfer)	1970
Mechanical Drafting	Chaffey College	Drafting Technician: Mechanical	1970
Automotive Collision Repair	Citrus College	Collision Repair	1972
Diesel Technology	Citrus College	Medium and Heavy Diesel Truck Technology	1972
Architectural Drafting	Citrus College	Architectural Drafting: CAD	1984
Architectural Drafting	Citrus College	Architectural Design	1979
Automotive Technology	Citrus College	Automotive Service, Diagnosis & Repair-Under hood Specialist	2003
Automotive Technology	Citrus College	Automotive Service, Diagnosis & Repair-Master Technician	1955
 Automotive Technology	Citrus College	Automotive Svc, Diagnosis & Rpr-Undercar/Drivetrain Spec.	2004
Automotive Technology	Citrus College	Automotive Svc Diagnosis & Rpr-Toyota/Lexus/Scion	1994

		Technician	
Automotive Technology	Citrus College	Automotive Service, Diagnosis & Repair-Master Technician	1955
Automotive Technology	Citrus College	High Performance Institute	2004
Drafting Technology	Citrus College	Computer Generated Imagery	1997
Drafting Technology	Citrus College	Drafting Technology--CAD	1960
Drafting Technology	Citrus College	Advanced Drafting Technology--CAD	1996
Electronics and Electric Technology	Citrus College	Electronics Technician	1979
Environmental Control Technology (HVAC)	Citrus College	Heating and Air Conditioning	1985
Motorcycle, Outboard, and Small Engine Repair	Citrus College	Motorcycle Technology	1985
Water and Wastewater Technology	Citrus College	Water Technology	1970
Construction Inspection	Coastline Community College	Building Codes Technology	1970
Laboratory Science Technology	Coastline Community College	Biological Laboratory Technician	2008
Other Engineering, Industrial Technology	Coastline Community College	Process Technology	2008
Automotive Technology	Columbia College	Automotive Maintenance Technician	1981
Automotive Technology	Columbia College	Automotive Service Technician	1985
Automotive Collision Repair	Contra Costa College	Auto Collision Repair Technology	1970
Automotive Technology	Contra Costa College	Automotive Mechanics	1970
Drafting Technology	Contra Costa College	Drafting Technology: Industrial & Engineering	1970
Electronics and Electric Technology	Contra Costa College	Network Technology	1970
Engineering, General (requires Calculus) (Transfer)	Contra Costa College	Engineering	1970
Automotive Technology	Copper Mountain College	Automotive Technology	1999
Architectural Drafting	Cosumnes River College	Architectural Design Technology	1975
 Technology	Cosumnes River College	Automotive Engine Performance	1970
Automotive Technology	Cosumnes River College	Automotive Mechanics Technology	1970

Civil and Construction Management Technology	Cosumnes River College	Construction Management Technology	1979
Construction Crafts Technology	Cosumnes River College	Construction	1975
Construction Inspection	Cosumnes River College	Building Inspection Technology	1979
Engineering, General (requires Calculus) (Transfer)	Cosumnes River College	Engineering, Electrical/Computer	2002
Engineering, General (requires Calculus) (Transfer)	Cosumnes River College	Engineering, Civil/Mechanical	2002
Automotive Collision Repair	Cuesta College	Auto Body Technician	1965
Automotive Technology	Cuesta College	Automotive Technician	1965
Automotive Technology	Cuesta College	Engine Performance Specialist	1965
Automotive Technology	Cuesta College	Chassis and Suspension Specialist	1965
Automotive Technology	Cuesta College	Electrical Systems Specialist	1965
Automotive Technology	Cuesta College	Heating and Air Conditioning Specialist	1965
Automotive Technology	Cuesta College	Engine Repair Specialist	1965
Automotive Technology	Cuesta College	Advanced Engine Performance Technician	2003
Automotive Technology	Cuesta College	Manual Drivetrains and Axles Specialist	1965
Automotive Technology	Cuesta College	Automatic Transmission/Transaxle Specialist	1965
Automotive Technology	Cuesta College	Brakes Specialist	1965
Construction Crafts Technology	Cuesta College	Construction Technology	1973
Drafting Technology	Cuesta College	Computer Aided Design/Drafting (CAD)	1965
Electrical	Cuesta College	Electrical Technology	2005
Electro-Mechanical Technology	Cuesta College	Electro Mechanical Technology	2003
Electronics and Electric Technology	Cuesta College	Electronics Technology	1965
Engineering, General (requires Calculus) (Transfer)	Cuesta College	Engineering	1965
Industrial Systems Technology and	Cuesta College	Facilities Technology Management	2001
 Reshoring Institute	Cuesta College	Welding Technology	1965
Architectural Drafting	Cuyamaca College	CADD Technology: Building Design Industry	1970

Automotive Technology	Cuyamaca College	Advanced Engine Performance and Emissions	1980
Automotive Technology	Cuyamaca College	Automotive Technology	1980
Automotive Technology	Cuyamaca College	Automotive Technology--ASSET	1989
Automotive Technology	Cuyamaca College	Engine Performance and Drive Train	1980
Automotive Technology	Cuyamaca College	Brakes and Front End	1980
Automotive Technology	Cuyamaca College	Automotive Technology--ASEP	1999
Engineering, General (requires Calculus) (Transfer)	Cuyamaca College	Electrical and Computer Engineering	2005
Engineering, General (requires Calculus) (Transfer)	Cuyamaca College	Mechanical and Aerospace Engineering	2005
Engineering, General (requires Calculus) (Transfer)	Cuyamaca College	Civil Engineering	1970
Industrial and Occupational Safety and Health	Cuyamaca College	Occupational Safety and Health (OSH) Technician	2004
Industrial and Occupational Safety and Health	Cuyamaca College	Occupational Safety and Health (OSH) Management	1997
Mechanical Drafting	Cuyamaca College	CADD Technology: Manufacturing Industry	2004
Surveying	Cuyamaca College	Surveying	1970
Water and Wastewater Technology	Cuyamaca College	Wastewater Collection Systems	2004
Water and Wastewater Technology	Cuyamaca College	Water Distribution Systems	2004
Water and Wastewater Technology	Cuyamaca College	Cross Connection Control Systems	2004
Water and Wastewater Technology	Cuyamaca College	Wastewater Treatment Operator	2003
Water and Wastewater Technology	Cuyamaca College	Water Treatment Plant Operator	2003
Automotive Collision Repair	Cypress College	Automotive Paint & Refinishing	1972
Automotive Collision Repair	Cypress College	Automotive Collision Repair	1972
Automotive Technology	Cypress College	Automotive Technology: Toyota Specialist	2005
Automotive Technology	Cypress College	Automotive Technology	1970
Drafting Technology	Cypress College	Drafting Engineering Technology	1994

Engineering, General (requires Calculus) (Transfer)	Cypress College	Pre-engineering	1970
Environmental Control Technology (HVAC)	Cypress College	Air Conditioning & Refrigeration	1970
Automotive Technology	De Anza College	Automotive Technician: Advanced Engine Performance Tech.	1967
Automotive Technology	De Anza College	Automotive Technology: Machining & Engine Repair	1967
Automotive Technology	De Anza College	Automotive Engine Repair Technology	1967
Automotive Technology	De Anza College	Automotive Technology: Chassis & Powertrain	1967
Automotive Technology	De Anza College	Automotive Engine Performance Technology	1967
Automotive Technology	De Anza College	Automotive Chassis Technology	1967
Automotive Technology	De Anza College	Automotive Technician: Machining Technology	1967
Automotive Technology	De Anza College	Automotive Technology: Engine Performance	1967
Automotive Technology	De Anza College	Automotive Technician: Powertrain Technology	1967
Energy Systems Technology	De Anza College	Energy Management and Climate Policy	1996
Machining and Machine Tools	De Anza College	CNC Research and Development Machinist	1988
Machining and Machine Tools	De Anza College	Machining and Machine Tools	2008
Machining and Machine Tools	De Anza College	CNC Machinist	2005
Manufacturing and Industrial Technology	De Anza College	Product Model Making	1996
Mechanical Drafting	De Anza College	Computer Aided Design: Mechanical	1967
Alternative Fuels and Advanced Transportation Technology	Desert, College of the	Automotive Alternative Fuels	2002
 Alternative Fuels and Advanced Transportation Technology	Desert, College of the	Automotive Performance & Emission Control Technician	2002
Alternative Fuels and Advanced Transportation Technology	Desert, College of the	Advanced Transportation Technologies	2002
Automotive Technology	Desert, College of the	Automotive Transmission &	2008

		Axle	
Automotive Technology	Desert, College of the	General Automotive Service	2008
Automotive Technology	Desert, College of the	Automotive Engine Management	2008
Automotive Technology	Desert, College of the	Automotive Emissions	2008
Automotive Technology	Desert, College of the	Automotive Electrical	2008
Automotive Technology	Desert, College of the	Steering, Suspension and Alignment	2008
Automotive Technology	Desert, College of the	Automotive Air Conditioning	2008
Automotive Technology	Desert, College of the	Automotive Technology	2008
Civil and Construction Management Technology	Desert, College of the	Construction Management (Employment Oriented)	1992
Civil and Construction Management Technology	Desert, College of the	Construction Management (Transfer)	1992
Construction Inspection	Desert, College of the	Building Inspection Technology	1986
Drafting Technology	Desert, College of the	General Drafting	1970
Environmental Control Technology (HVAC)	Desert, College of the	Air Conditioning & Refrigeration	1970
Civil and Construction Management Technology	Diablo Valley College	Construction Management	1970
Civil and Construction Management Technology	Diablo Valley College	Construction Supervision & Superintendence	1970
Civil Drafting	Diablo Valley College	Civil Design Drafting Technology	2005
Civil Drafting	Diablo Valley College	Civil Drafting, CAD	2005
Construction Inspection	Diablo Valley College	Construction & Building Inspection	1970
Electronics and Electric Technology	Diablo Valley College	Electricity/Electronics	2008
Electronics and Electric Technology	Diablo Valley College	Electricity/Electronics	1970
Energy Systems Technology	Diablo Valley College	Photovoltaic Energy Systems Design and Installation	2008
Energy Systems Technology	Diablo Valley College	Photovoltaic Energy Systems Design and Installation	2008
	Diablo Valley College	Machine Technology	1970
	Diablo Valley College	Mechanical Drafting, CAD	2005
Mechanical Drafting	Diablo Valley College	Mechanical Design Drafting Technology	1970
Automotive Technology	East Los Angeles College	Automobile Technology	1974

Drafting Technology	East Los Angeles College	Computer-Aided Drafting (CAD)	1970
Drafting Technology	East Los Angeles College	Computer-Aided Drafting/Design (CADD)	1996
Electron Microscopy	East Los Angeles College	Electron Microscopy Technician	1970
Engineering Technology, General	East Los Angeles College	Engineering Technology	1970
Automotive Collision Repair	El Camino College	Automotive Collision Repair/Painting	1949
Industrial Electronics	El Camino College	Electronics & Comp. Hard. Tech/Industrial Comp Control Tech	2004
Automotive Technology	El Camino College	Automotive Technology	1949
Computer Electronics	El Camino College	Electronics & Computer Hardware Tech: Computer Technology	2004
Construction Crafts Technology	El Camino College	Construction Technology	1949
Drafting Technology	El Camino College	Computer Aided Design/Drafting	1952
Electronics and Electric Technology	El Camino College	Electronics & Computer Hardware Tech: Electronics Technology	1970
Engineering, General (requires Calculus) (Transfer)	El Camino College	Pre-Engineering	1949
Environmental Control Technology (HVAC)	El Camino College	Air Conditioning and Refrigeration	1952
Industrial and Occupational Safety and Health	El Camino College	Environmental Technology: Occupational Safety and Health	1994
Industrial Quality Control	El Camino College	Quality Assurance	1970
Machining and Machine Tools	El Camino College	Machine Tool Technology: Machinist Option	1970
Machining and Machine Tools	El Camino College	Machine Tool Technology: Numerical Control Programmer Option	1970
 Manufacturing Technology	El Camino College	Manufacturing Technology	1970
Mill and Cabinet Work	El Camino College	Construction Technology--Cabinet and Fine Woodworking	2004

Telecommunications Technology	El Camino College	Electronics & Comp. Hard. Tech: Communications Equip. Tech	2004
Welding Technology	El Camino College	Welding	1970
Automotive Technology	Evergreen Valley College	Drivetrain & Chassis	1975
Automotive Technology	Evergreen Valley College	Advanced Automotive Training	1994
Automotive Technology	Evergreen Valley College	American Honda Certificate	2000
Automotive Technology	Evergreen Valley College	Fuel & Electrical	1975
Automotive Technology	Evergreen Valley College	Engine Service	1975
Drafting Technology	Evergreen Valley College	CADD Technology (Computer Aided Design & Drafting)	1975
Engineering, General (requires Calculus) (Transfer)	Evergreen Valley College	Engineering	1975
Surveying	Evergreen Valley College	Surveying and Geomatics	1975
Electrical	Foothill College	General Electrician Apprenticeship	1988
Electrical	Foothill College	General Electrician	2007
Engineering, General (requires Calculus) (Transfer)	Foothill College	Engineering	1972
Other Engineering, Industrial Technology	Foothill College	Nanoscience	2006
Plumbing, Pipefitting, and Steam fitting	Foothill College	Plumbing/Pipefitting/Pipe Trades Apprenticeship	1981
Sheet Metal and Structural Metal	Foothill College	Sheet Metal Apprenticeship	1985
Sheet Metal and Structural Metal	Foothill College	Field Ironworkers Apprenticeship	1983
Automotive Collision Repair	Fresno City College	Automotive Collision Repair Technology	1970
Industrial Electronics	Fresno City College	Automation Control Technician	2005
Automotive Technology	Fresno City College	General Motors ASEP Program	1991
Automotive Technology	Fresno City College	Automotive Technology	1970
Civil and Construction Management Technology	Fresno City College	Industrial Technology: Construction Option	1970
Construction Technology	Fresno City College	Construction	1984
Construction Inspection	Fresno City College	Building Safety and Code Administration	1990
Construction Inspection	Fresno City College	Building Safety and Code Administration	1990

Drafting Technology	Fresno City College	Computer Aided Drafting and Design	1970
Electronics and Electric Technology	Fresno City College	Electrical Systems Technology	1970
Engineering, General (requires Calculus) (Transfer)	Fresno City College	Engineering	1970
Environmental Control Technology (HVAC)	Fresno City College	Air Conditioning	1972
Manufacturing and Industrial Technology	Fresno City College	Computer Aided Manufacturing	1970
Manufacturing and Industrial Technology	Fresno City College	Industrial Technology: Manufacturing Option	1970
Printing and Lithography	Fresno City College	Graphic Communications	1970
Welding Technology	Fresno City College	Welding Technology: Pipe & Structural Steel Certification	1992
Welding Technology	Fresno City College	Welding Technology: Metal Fabrication Option	1970
Automotive Technology	Fullerton College	Automotive Technology	1970
Automotive Technology	Fullerton College	Automotive Management	2000
Carpentry	Fullerton College	Carpentry	1970
Civil and Construction Management Technology	Fullerton College	Construction Management	1970
Computer Electronics	Fullerton College	Microcomputer Technology	1987
Construction Crafts Technology	Fullerton College	Construction Technology	1970
Construction Inspection	Fullerton College	Construction Inspection	1991
Drafting Technology	Fullerton College	Industrial Drafting Level II	1970
Drafting Technology	Fullerton College	Industrial Drafting Technology	1970
Drafting Technology	Fullerton College	Industrial Drafting Level I	1970
Electronics and Electric Technology	Fullerton College	Electronics, Technical	1970
Electronics and Electric Technology	Fullerton College	Digital Electronics	1987
Engineering, General (requires Calculus) (Transfer)	Fullerton College	Engineering	1970
 Industrial Technology and	Fullerton College	Industrial Technology	1970
Laboratory Science Technology	Fullerton College	Industrial Laboratory Technician (Chemistry)	1970
Machining and Machine Tools	Fullerton College	Computer Numerical Control	1970
Machining and Machine Tools	Fullerton College	Machine Technology Level II	1970

Manufacturing and Industrial Technology	Fullerton College	Manufacturing Technology	1970
Mill and Cabinet Work	Fullerton College	Cabinetmaking and Millwork	1970
Printing and Lithography	Fullerton College	Printing Technology	1970
Printing and Lithography	Fullerton College	Electronic Imaging	1970
Printing and Lithography	Fullerton College	Advanced Offset Presswork	1970
Printing and Lithography	Fullerton College	Silk Screen Printing	1970
Printing and Lithography	Fullerton College	Quick Print/In-Plant Graphics	1970
Welding Technology	Fullerton College	Welding Technology	1970
Aeronautical and Aviation Technology	Gavilan College	Aviation Maintenance Technology	1965
Carpentry	Gavilan College	Apprenticeship: Carpenter	2008
Carpentry	Gavilan College	Apprenticeship: Carpenter	2008
Drafting Technology	Gavilan College	Computer Graphics and Design	1965
Engineering, General (requires Calculus) (Transfer)	Gavilan College	Physical Science & Engineering: General Engineering	1967
Computer Electronics	Glendale College	Computer Repair Technician	1995
Computer Electronics	Glendale College	Computer Engineer Technician	1989
Electrical, Electronic, and Electro-Mechanical Drafting	Glendale College	Drafting/Electro-Mechanical Design	1970
Electronics and Electric Technology	Glendale College	Electronics Engineering Technician	1957
Machining and Machine Tools	Glendale College	Computer Numerical Control Technician	1989
Machining and Machine Tools	Glendale College	Machine & Manufacturing Technology: Machinist	1970
Manufacturing and Industrial Technology	Glendale College	Electro/Mechanical Fabrication Technician	1995
Welding Technology	Glendale College	Occupational Welding (Combination Welder)	1970
 Automotive Collision Repair	Golden West College	Automotive Collision Repair	1970
Automotive Collision Repair	Golden West College	Automotive Collision Rpr: Automotive Refinishing Technician	1970
Automotive Collision Repair	Golden West College	Automotive Collision Repair	1970
Automotive Collision Repair	Golden West College	Automotive Collision Rpr: Automotive Refinishing Technician	1970

Diesel Technology	Golden West College	Diesel Mechanic	1970
Diesel Technology	Golden West College	Diesel Mechanic	1970
Automotive Technology	Golden West College	Automotive Technology: Chassis & Drive Train Specialist	1970
Automotive Technology	Golden West College	Automotive Technology: Engine Performance & Emissions Spec	1970
Automotive Technology	Golden West College	Automotive Technology: Engine Performance & Emissions Spec	1970
Automotive Technology	Golden West College	Automotive Technology: Chassis & Drive Train Specialist	1970
Drafting Technology	Golden West College	Drafting Technology: Computer Aided Drafting	1967
Electronics and Electric Technology	Golden West College	Engineering Technology	1987
Other Engineering, Industrial Technology	Golden West College	Technology	1968
Automotive Collision Repair	Hartnell College	Automotive Collision Repair	1970
Diesel Technology	Hartnell College	Heavy Duty Diesel Technology: Transportation	1982
Architectural Drafting	Hartnell College	Engineering Technology: Architectural	1970
Automotive Technology	Hartnell College	Advanced Automotive Technology	1970
Automotive Technology	Hartnell College	Auto Shop Management	1970
Automotive Technology	Hartnell College	General Automotive Mechanics	1970
Carpentry	Hartnell College	Carpentry	1970
Civil and Construction Management Technology	Hartnell College	Construction Management	1977
Construction Crafts Technology	Hartnell College	Construction Trade Skills	1970
 Drafting Technology	Hartnell College	Drafting Technology/CAD	1970
 Electrical Technology	Hartnell College	Electrical Apprentice	1980
Electronics and Electric Technology	Hartnell College	Electronics Technology	1970
Engineering, General (requires Calculus) (Transfer)	Hartnell College	Engineering	1998
Industrial Systems Technology and Maintenance	Hartnell College	Industrial Mechanics	1970

Industrial Systems Technology and Maintenance	Hartnell College	Industrial Technician	1989
Mechanical Drafting	Hartnell College	Engineering Technology: Mechanical	1970
Mill and Cabinet Work	Hartnell College	Mill & Cabinet Technology	1970
Water and Wastewater Technology	Hartnell College	Water Technology--Wastewater Management	1982
Water and Wastewater Technology	Hartnell College	Water Technology--Water Management	1982
Welding Technology	Hartnell College	Welding Technology	1970
Automotive Collision Repair	Imperial Valley College	Automotive Collision Repair	1974
Industrial Electronics	Imperial Valley College	Apprenticeship: Relays Technician	2006
Industrial Electronics	Imperial Valley College	Apprenticeship: SCADA/Telecommunications Technician	2006
Industrial Electronics	Imperial Valley College	Apprenticeship: Electrician	2006
Industrial Electronics	Imperial Valley College	Apprenticeship: Substation - Electrician	2006
Industrial Electronics	Imperial Valley College		2006
Industrial Electronics	Imperial Valley College	Apprenticeship: Generation Mechanic	2006
Industrial Electronics	Imperial Valley College	Apprenticeship: Meter Technician	2006
Automotive Technology	Imperial Valley College	Automotive Technology	1970
Engineering, General (requires Calculus) (Transfer)	Imperial Valley College	Pre-Engineering	1970
Water and Wastewater Technology	Imperial Valley College	Water Treatment Technology	1971
Welding Technology	Imperial Valley College	Welding Technology	1970
Drafting Technology	Irvine Valley College	Drafting Technology	1985
Electronics and Electric Technology	Irvine Valley College	Electronics Technology	1985
 Industrial	Irvine Valley College	Design Model Making and Rapid Prototyping	2004
Mechanical Drafting	Irvine Valley College	Computer-Aided Design: Mechanical	1985
Carpentry	Laney College	Carpentry	1970
Civil and Construction Management Technology	Laney College	Construction Management	1970
Drafting Technology	Laney College	Engineering Technology	1970

Environmental Control Technology (HVAC)	Laney College	Commercial HVAC Systems	2008
Environmental Control Technology (HVAC)	Laney College	Residential and Light Commercial HVAC & R	1970
Environmental Control Technology (HVAC)	Laney College	Commercial HVAC Systems	2008
Machining and Machine Tools	Laney College	Machine Technology	1970
Mill and Cabinet Work	Laney College	Wood Technology	1970
Welding Technology	Laney College	Welding Technology	1970
Automotive Technology	Las Positas College	Automotive Electronics Technology	1988
Automotive Technology	Las Positas College	Automotive Service Technician	1988
Automotive Technology	Las Positas College	Automotive Technician	1988
Drafting Technology	Las Positas College	Design Technology	1988
Industrial and Occupational Safety and Health	Las Positas College	Occupational Safety & Health	1991
Laboratory Science Technology	Las Positas College	Science Technology	1988
Laser and Optical Technology	Las Positas College	Laser Technology	1998
Manufacturing and Industrial Technology	Las Positas College	Industrial Technology	1988
Technical Illustration	Las Positas College	Technical Illustration	1988
Telecommunications Technology	Las Positas College	Electronics Technology: Telecommunications Systems	1988
Vacuum Technology	Las Positas College	Vacuum Technology Option 3: Process Technology	1997
Vacuum Technology	Las Positas College	Vacuum Technology Option 2: Mechanical	1988
Vacuum Technology	Las Positas College	Vacuum Technology Option 1: Electronics	1988
Welding Technology	Las Positas College	Welding Technology	1988
 Automotive Technology	Lassen College	Tune-up	1973
 Firearms Technology	Lassen College	Automotive Technology	1973
Other Engineering, Industrial Technology	Lassen College	General Gunsmithing	1973
Other Engineering, Industrial Technology	Lassen College	Firearm Repair	1973
Welding Technology	Lassen College	Welding Technology	1973
Welding Technology	Lassen College	Welding (One Year Certificate)	2001

Automotive Collision Repair	Long Beach City College	Auto Body Repair	1970
Diesel Technology	Long Beach City College	Diesel Mechanics - General	1970
Diesel Technology	Long Beach City College	Diesel Mechanics - Caterpillar	1970
Aeronautical and Aviation Technology	Long Beach City College	Aviation Maintenance (Airframe/Power plant Mechanic)	1970
Alternative Fuels and Advanced Transportation Technology	Long Beach City College	Advanced Transportation Technology--Electric Vehicles	2002
Alternative Fuels and Advanced Transportation Technology	Long Beach City College	Advanced Transportation Technology--Alternative Fuels	2002
Architectural Drafting	Long Beach City College	Drafting -- Architectural (Occupational Program)	1970
Architectural Drafting	Long Beach City College	Architectural Drafting -- Core Skills	2003
Automotive Technology	Long Beach City College	Auto Mechanics	1970
Carpentry	Long Beach City College	Carpentry Technology	1970
Electronics and Electric Technology	Long Beach City College	Electrical Technology	1970
Engineering, General (requires Calculus) (Transfer)	Long Beach City College	Engineering	1970
Environmental Control Technology (HVAC)	Long Beach City College	Air Conditioning & Refrigeration (Theory Only)	1975
Environmental Control Technology (HVAC)	Long Beach City College	Air Conditioning & Refrigeration (Theory & Practical Exp.)	1970
Industrial Systems Technology and Maintenance	Long Beach City College	Mechanical Maintenance Technology	2000
Machining and Machine Tools	Long Beach City College	Machine Tool Technology	1970
Machining and Machine Tools	Long Beach City College	Machine Operator -- Manufacturing Technology	1970
Manufacturing and Industrial Technology	Long Beach City College	Numerical Control Technician - Manufacturing Technology	1970
 Manufacturing and Industrial Technology	Long Beach City College	Tool Designer, Manufacturing Technology	1988
Mechanical Drafting	Long Beach City College	Drafting -- Mechanical Design (Occupational Program)	2003
Mechanical Drafting	Long Beach City College	Drafting -- Mechanical Design - Core Skills	2003
Mill and Cabinet Work	Long Beach City College	Wood Products Manufacturing	1970
Sheet Metal and Structural Metal	Long Beach City College	Sheet Metal	1970

Welding Technology	Long Beach City College	Welding Technology (Preparatory Program)	1970
Biomedical Instrumentation	Los Angeles City College	Biomedical Electronics Technology	1970
Computer Electronics	Los Angeles City College	Computer Technology	1970
Electronics and Electric Technology	Los Angeles City College	Electronics: Basic	1970
Electronics and Electric Technology	Los Angeles City College	Electronic Systems	1970
Electronics and Electric Technology	Los Angeles City College	Microprocessor Systems Technology	1980
Engineering Technology, General	Los Angeles City College	Engineering and Technology	1980
Engineering, General (requires Calculus) (Transfer)	Los Angeles City College	Engineering	1955
Computer Electronics	Los Angeles Harbor College	Computer Technology	1990
Drafting Technology	Los Angeles Harbor College	Drafting Production Design	1970
Electro-Mechanical Technology	Los Angeles Harbor College	Electro-Mechanical Engineering Technologist	1961
Electronics and Electric Technology	Los Angeles Harbor College	Engineering Technology: Electronics	1975
Electronics and Electric Technology	Los Angeles Harbor College	Electronic Engineering Technologist	1969
Engineering Technology, General	Los Angeles Harbor College	Engineering Technology: Mechanical/MFG	1975
Engineering, General (requires Calculus) (Transfer)	Los Angeles Harbor College	Engineering	1970
Industrial Systems Technology and Maintenance	Los Angeles Harbor College	Process Plant Technology	1950
Drafting Technology	Los Angeles Mission College	Engineering CADD and CAM (Manufacturing)	1990
Engineering Technology, General	Los Angeles Mission College	Engineering (Non-transfer)	1975
Engineering Technology, General	Los Angeles Mission College	Basic Engineering	1990
Engineering Technology, General	Los Angeles Mission College	Engineering Assistant	1990
 Engineering Technology (requires Calculus) (Transfer)	Los Angeles Mission College	Engineering (Transfer Track)	1990
Automotive Technology	Los Angeles Pierce College	Automotive Service Technology	1970
Civil and Construction Management Technology	Los Angeles Pierce College	Architecture: Construction Technology	1970
Electronics and Electric Technology	Los Angeles Pierce College	Electronics and Electric Technology: Electronics	1970

Electronics and Electric Technology	Los Angeles Pierce College	Electronics: Digital	1970
Electronics and Electric Technology	Los Angeles Pierce College	Electronics: Analog	1970
Engineering, General (requires Calculus) (Transfer)	Los Angeles Pierce College	Pre-Engineering	1970
Industrial Systems Technology and Maintenance	Los Angeles Pierce College	Industrial Technology: General	1970
Machining and Machine Tools	Los Angeles Pierce College	Machine Shop Technology	1970
Machining and Machine Tools	Los Angeles Pierce College	Numerical Control Programming	1970
Mechanical Drafting	Los Angeles Pierce College	Drafting: Mechanical	1970
Mill and Cabinet Work	Los Angeles Pierce College	Industrial Technology: Woodworking	1980
Telecommunications Technology	Los Angeles Pierce College	Electronics: Communications	1970
Welding Technology	Los Angeles Pierce College	Welding	1970
Electronics and Electric Technology	Los Angeles Southwest College	Electronics Technology	1971
Automotive Collision Repair	Los Angeles Trade-Technical	Automotive Collision Repair	1970
Diesel Technology	Los Angeles Trade-Technical	Diesel and Related Technology	1970
Diesel Technology	Los Angeles Trade-Technical	Diesel and Related Technology-Adjunct	1970
Automotive Technology	Los Angeles Trade-Technical	Auto & Related Technology--Adjunct: Mechanical Repair	1970
Automotive Technology	Los Angeles Trade-Technical	Auto & Related Technology-Adjunct: Tune-Up	1970
Automotive Technology	Los Angeles Trade-Technical	Auto & Related Technology-Adjunct: Transmission Repair	1970
Automotive Technology	Los Angeles Trade-Technical	Automotive and Related Technology	1970
Carpentry	Los Angeles Trade-Technical	Carpentry	1970
Carpentry	Los Angeles Trade-Technical	Carpentry - Construction Technologies	1970
Computer Electronics	Los Angeles Trade-Technical	Microcomputer Technician	1970
Electrical	Los Angeles Trade-Technical	Electrical Cable Splicer Apprenticeship	1970
Electrical	Los Angeles Trade-Technical	Electrical Construction and Maintenance	1970
Electrical	Los Angeles Trade-Technical	Electrical Construction & Maintenance: Construction Tech	1970

Electrical Systems and Power Transmission	Los Angeles Trade-Technical	Electrical Lineman Apprenticeship	1970
Electronics and Electric Technology	Los Angeles Trade-Technical	Electronics Engineering Technician	1970
Environmental Control Technology (HVAC)	Los Angeles Trade-Technical	Operation & Maintenance Engineering: Steam Plant	1970
Environmental Control Technology (HVAC)	Los Angeles Trade-Technical	Refrigeration & Air Conditioning Mechanics	1970
Laboratory Science Technology	Los Angeles Trade-Technical	Chemical Technology	1970
Machining and Machine Tools	Los Angeles Trade-Technical	Machine Shop: CNC	1970
Machining and Machine Tools	Los Angeles Trade-Technical	Machine Shop: CNC-Adjunct	1970
Mill and Cabinet Work	Los Angeles Trade-Technical	Cabinet Making & Millwork Apprenticeship	1970
Mill and Cabinet Work	Los Angeles Trade-Technical	Cabinet Making & Millwork: Construction Tech	1970
Mill and Cabinet Work	Los Angeles Trade-Technical	Cabinet Making & Millwork	1970
Motorcycle, Outboard, and Small Engine Repair	Los Angeles Trade-Technical	Motorcycle Repair Mechanics-Adjunct	1970
Other Engineering, Industrial Technology	Los Angeles Trade-Technical	Solid Waste Management Technology	1981
Plumbing, Pipefitting, and Steam fitting	Los Angeles Trade-Technical	Plumbing: Construction Tech	1970
Plumbing, Pipefitting, and Steam fitting	Los Angeles Trade-Technical	Plumbing	1970
Sheet Metal and Structural Metal	Los Angeles Trade-Technical	Sheet Metal Work Apprenticeship	1970
Telecommunications Technology	Los Angeles Trade-Technical	Electronics Communications	1970
Water and Wastewater Technology	Los Angeles Trade-Technical	Wastewater Systems Technology	1981
Water and Wastewater Technology	Los Angeles Trade-Technical	Water Systems Technology: Supply Water Technology	1981
 Wastewater Technology	Los Angeles Trade-Technical	Supply Water Systems Technology	1981
Welding Technology	Los Angeles Trade-Technical	Welding, Gas and Electric: Construction Technologies	1970
Welding Technology	Los Angeles Trade-Technical	Welding, Gas and Electric	1970
Industrial Electronics	Los Angeles Valley College	Electronics: Industrial	1970
Biomedical Instrumentation	Los Angeles Valley College	Electronics: Biomedical Equipment Technology	1970

Computer Electronics	Los Angeles Valley College	Electronics: Consumer/Computer Servicing	1982
Drafting Technology	Los Angeles Valley College	Computer Graphics/Design	1970
Electronics and Electric Technology	Los Angeles Valley College	Electronics Technician	1970
Electronics and Electric Technology	Los Angeles Valley College	Electronics Technology	1970
Electronics and Electric Technology	Los Angeles Valley College	Electronics	1970
Engineering, General (requires Calculus) (Transfer)	Los Angeles Valley College	Engineering	1970
Machining and Machine Tools	Los Angeles Valley College	Manufacturing Technology: Metal Machining	1970
Machining and Machine Tools	Los Angeles Valley College	Manufacturing Technology: Numerical Control	1970
Manufacturing and Industrial Technology	Los Angeles Valley College	Engineering Technology: Industrial/Manufacturing	1970
Manufacturing and Industrial Technology	Los Angeles Valley College	Engineering Technology: Mechanical Engineering	1970
Mechanical Drafting	Los Angeles Valley College	Mechanical Drafting/Design	1970
Industrial Electronics	Los Medanos College	Industrial Electronics	1990
Appliance Repair	Los Medanos College	Appliance Technician I	1973
Appliance Repair	Los Medanos College	Appliance Service	1973
Automotive Technology	Los Medanos College	Automotive Technology	1983
Electronics and Electric Technology	Los Medanos College	Electrical Technology	1973
Engineering, General (requires Calculus) (Transfer)	Los Medanos College	Engineering	2006
Industrial Systems Technology and Maintenance	Los Medanos College	Process Technology	2006
Welding Technology	Los Medanos College	Welding Technology	1973
Automotive Collision Repair	Marin, College of	Master Collision Repair	1977
Automotive Technology 	Marin, College of	Automotive Electrical/Performance Technician	2004
Automotive Technology	Marin, College of	Automotive Chassis Repair Technician	2004
Automotive Technology	Marin, College of	Automotive Emissions/Performance Technician	2004
Automotive Technology	Marin, College of	Automotive Master Repair Technician	1970
Engineering Technology, General	Marin, College of	Engineering Technology	1970


Engineering, General (requires Calculus) (Transfer)	Marin, College of	Engineering, Transfer	1970
Machining and Machine Tools	Marin, College of	Machine and Metals Technology	1970
Automotive Technology	Mendocino College	Automotive Tune-Up and Electronics Specialist	1973
Automotive Technology	Mendocino College	Automotive Chassis Specialist	1973
Automotive Technology	Mendocino College	Automotive Technology	1973
Automotive Technology	Mendocino College	Automotive Technician	1973
Automotive Collision Repair	Merced College	Body and Fender	1970
Industrial Electronics	Merced College	Industrial Electronics Technology	1964
Instrumentation Technology	Merced College	Instrumentation and Process Control Technology	1996
Architectural Drafting	Merced College	Computer-Aided Drafting - Architectural Level II	1962
Automotive Technology	Merced College	Transmissions	1966
Automotive Technology	Merced College	Engine Performance	1966
Automotive Technology	Merced College	Toyota-approved Auto Technology	1989
Automotive Technology	Merced College	Automotive Technology	1966
Automotive Technology	Merced College	Suspension and Brakes	1966
Computer Electronics	Merced College	Computer and Networking Technology	1990
Drafting Technology	Merced College	Computer-Aided Drafting	1962
Electrical	Merced College	Electrical Technology	1995
Electronics and Electric Technology	Merced College	Electronics Technician	1990
Engineering Technology, General	Merced College	Engineering Technology	1962
 Engineering Technology (requires Calculus)	Merced College	Engineering	1962
Environmental Control Technology (HVAC)	Merced College	Commercial Refrigeration Technician	1996
Environmental Control Technology (HVAC)	Merced College	Heating, Ventilation, Refrigeration & Air Conditioning Tech.	1996
Environmental Control Technology (HVAC)	Merced College	HVAC Technician	1996
Industrial Systems Technology and Maintenance	Merced College	Industrial Maintenance Technology	1995


Laboratory Science Technology	Merced College	Lab Technology	1985
Mechanical Drafting	Merced College	Computer-Aided Drafting - Mechanical Level II	1962
Welding Technology	Merced College	Welding Technology	1968
Energy Systems Technology	Merritt College	Environmental Design and Energy Technology	1981
Automotive Technology	Merritt College	Automotive Technology	1979
Drafting Technology	Merritt College	Computer-Aided Drafting	1989
Drafting Technology	Merritt College	Computer-Aided Design & Drafting	1988
Mechanical Drafting	Merritt College	Electro-Mechanical Drafting	1986
Mechanical Drafting	Merritt College	Electro-Mechanical Drafting	1986
Computer Electronics	Mission College	Computer Electronics Technology	1979
Electrical, Electronic, and Electro-Mechanical Drafting	Mission College	Design Drafting: Electro/Mechanical	1991
Electrical, Electronic, and Electro-Mechanical Drafting	Mission College	Design Drafting: Electronic	1982
Engineering, General (requires Calculus) (Transfer)	Mission College	Engineering	1982
Manufacturing and Industrial Technology	Mission College	Semiconductor Manufacturing Technician	1998
Mechanical Drafting	Mission College	Design Drafting - Mechanical	1991
Printing and Lithography	Mission College	Graphic Arts	1982
Automotive Collision Repair	Modesto Junior College	Auto body/Collision Repair	1970
Automotive Collision Repair	Modesto Junior College	Auto body Refinishing	1972
Industrial Electronics	Modesto Junior College	Industrial Technology: Electrician	1997
 Industrial Electronics	Modesto Junior College	Maintenance Electrician	1970
Industrial Electronics	Modesto Junior College	Electronics Technology: Industrial Electronics	1996
Instrumentation Technology	Modesto Junior College	Industrial Technology: Systems	1997
Architectural Drafting	Modesto Junior College	Architectural Drafting Technology	1970
Automotive Technology	Modesto Junior College	Maintenance Mechanic	1970
Automotive Technology	Modesto Junior College	Automotive Technician	1970
Civil and Construction Management Technology	Modesto Junior College	Construction Management	1987

Computer Electronics	Modesto Junior College	Electronics Technology: Computer Electronics	1996
Computer Electronics	Modesto Junior College	Computer Electronics	1996
Construction Crafts Technology	Modesto Junior College	Home Building Technologies	1970
Construction Inspection	Modesto Junior College	Building and Safety Code Administration	1970
Drafting Technology	Modesto Junior College	Engineering Drafting Technology	1970
Engineering Technology, General	Modesto Junior College	Engineering Technology	1970
Engineering, General (requires Calculus) (Transfer)	Modesto Junior College	Engineering	1970
Industrial Systems Technology and Maintenance	Modesto Junior College	General Plant Maintenance	1970
Industrial Systems Technology and Maintenance	Modesto Junior College	Industrial Technology: Maintenance	1997
Machining and Machine Tools	Modesto Junior College	Maintenance Machinist II	1991
Machining and Machine Tools	Modesto Junior College	Machine Tool Technology II	1973
Manufacturing and Industrial Technology	Modesto Junior College	Industrial Technology: Technician	1997
Printing and Lithography	Modesto Junior College	Communication Graphics Applications	1970
Welding Technology	Modesto Junior College	Welding	1970
Automotive Technology	Monterey Peninsula College	Automotive Mechanics	1974
Engineering, General (requires Calculus) (Transfer)	Monterey Peninsula College	University Studies - Engineering Emphasis	1970
Architectural Drafting	Moorpark College	Drafting Technology/CAD: Architectural	1967
 Reshoring Institute	Moorpark College	Drafting Technology/CAD: Civil Engineering	1967
Engineering, General (requires Calculus) (Transfer)	Moorpark College	Engineering	1967
Aviation Airframe Mechanics	Mount San Antonio College	Airframe Maintenance Technology	2000
Industrial Electronics	Mount San Antonio College	Industrial Electronics	1970
Aeronautical and Aviation Technology	Mount San Antonio College	Airframe & Aircraft Power plant Maintenance Technology	1970
Aviation Power plant Mechanics	Mount San Antonio College	Aircraft Power plant Maintenance Technology	2000
Computer Electronics	Mount San Antonio College	Computer Systems Technology	1996

Construction Inspection	Mount San Antonio College	Construction Inspection	1970
Drafting Technology	Mount San Antonio College	Engineering Design Technology Level III	1970
Drafting Technology	Mount San Antonio College	Engineering Design Technology Level II	1991
Drafting Technology	Mount San Antonio College	Engineering Design Technology Level I	2001
Electronics and Electric Technology	Mount San Antonio College	Electronics Technology	1989
Electronics and Electric Technology	Mount San Antonio College	Electronics & Computer: Engineering Technology	1970
Electronics and Electric Technology	Mount San Antonio College	Electronics Communications	1989
Environmental Control Technology (HVAC)	Mount San Antonio College	Air Conditioning & Refrigeration	1970
Laboratory Science Technology	Mount San Antonio College	Chemical Laboratory Technician	2004
Manufacturing and Industrial Technology	Mount San Antonio College	Manufacturing Technology	1970
Telecommunications Technology	Mount San Antonio College	Electronic Cabling and Wiring Technology: Level II	2002
Water and Wastewater Technology	Mount San Antonio College	Water Technology	1970
Welding Technology	Mount San Antonio College	Licensed Welder	2007
Welding Technology	Mount San Antonio College	Licensed Welder: Automotive Welding, Cutting & Modification	2007
Welding Technology	Mount San Antonio College	Licensed Welder: Gas Tungsten ARC Welding	2007
Welding Technology	Mount San Antonio College	Welding	1970
 Welding Technology	Mount San Antonio College	Licensed Welder: Semiautomatic ARC Welding	2007
Automotive Technology	Mount San Jacinto College	Automotive/Transportation Technology	1966
Drafting Technology	Mount San Jacinto College	Engineering: Drafting Technology	1967
Water and Wastewater Technology	Mount San Jacinto College	Water Technology	2002
Drafting Technology	Napa Valley College	Digital Design Drafting Technology	1970
Machining and Machine Tools	Napa Valley College	Machine Tool Technology	1970
Welding Technology	Napa Valley College	Welding Technology	1970

Engineering, General (requires Calculus) (Transfer)	Ohlone College	Engineering	2003
Aviation Airframe Mechanics	Orange Coast College	Aviation Maintenance Technology: Airframe	1970
Industrial Electronics	Orange Coast College	Electronics Technology: Electronics Assembler	2006
Aeronautical and Aviation Technology	Orange Coast College	Aviation Maintenance Technology: Airframe & Power plant	1970
Aircraft Electronics (Avionics)	Orange Coast College	Aviation Maintenance Technology: Avionics	1990
Aviation Power plant Mechanics	Orange Coast College	Aviation Maintenance Technology: Power plant	1970
Computer Electronics	Orange Coast College	Electronics Tech: Electronics Computer Hardware Technician	2006
Construction Crafts Technology	Orange Coast College	Construction Tech.: Residential Construction Development	1990
Construction Crafts Technology	Orange Coast College	Construction Technology: Master Construction Specialist	1996
Construction Crafts Technology	Orange Coast College	Construction Technology: Basic Construction Practices	1990
Drafting Technology	Orange Coast College	Computer Aided Design/Drafting	1985
Electrical, Electronic, and Electro-Mechanical Drafting	Orange Coast College	Electro-Mechanical Design/Drafting	1972
Electronics and Electric Technology	Orange Coast College	Electronics Technology: Automation & Motor Control [degree]	2006
 Manufacturing Technology	Orange Coast College	Electronics Technology: Automation & Motor Control	2006
Electronics and Electric Technology	Orange Coast College	Electronics Technology: Electronics Engineering Technician	1970
Electronics and Electric Technology	Orange Coast College	Electronics Technology: Electronics Engineering Technician [D]	1970
Engineering, General (requires Calculus) (Transfer)	Orange Coast College	Engineering	1970
Environmental Control Technology (HVAC)	Orange Coast College	Heating & Air Conditioning: HVAC Technology	1970
Machining and Machine Tools	Orange Coast College	Machine Technology: Tooling	1970

Machining and Machine Tools	Orange Coast College	Machine Technology: Machinist	1970
Machining and Machine Tools	Orange Coast College	Machine Technology: CNC Machine Programmer	1981
Machining and Machine Tools	Orange Coast College	Machine Technology: CNC Machine Operator	1981
Marine Technology	Orange Coast College	Professional Mariner	2009
Mechanical Drafting	Orange Coast College	Mechanical Design/Drafting	1972
Other Engineering, Industrial Technology	Orange Coast College	Industrial Technology	1974
Telecommunications Technology	Orange Coast College	Electronics Technology: Electronic Communications Technician	2006
Welding Technology	Orange Coast College	Welding Technology	1975
Automotive Collision Repair	Oxnard College	Auto Body & Fender Repair	1975
Automotive Technology	Oxnard College	Automotive Technology	1975
Electronics and Electric Technology	Oxnard College	Engineering Technology: Electronics	1998
Environmental Control Technology (HVAC)	Oxnard College	Air Conditioning/Refrigeration	1975
Automotive Technology	Palo Verde College	Automotive Technology	1983
Construction Crafts Technology	Palo Verde College	Building Technology	2004
Welding Technology	Palo Verde College	Welding Technology	1970
Automotive Collision Repair	Palomar College	Auto Body Work	1974
Diesel Technology	Palomar College	Diesel Technology	1970
 Architectural Drafting	Palomar College	Architectural Drafting Technology	1970
Automotive Technology	Palomar College	Electronic Tune-Up and Computer Control Systems	1970
Automotive Technology	Palomar College	Mechanics--General	1970
Automotive Technology	Palomar College	Auto Chassis and Drive Lines	1970
Carpentry	Palomar College	Apprentice Carpentry	1970
Computer Electronics	Palomar College	Computer Hardware/Telecommunication Technician	1996
Construction Inspection	Palomar College	Construction Inspection	1982
Drafting Technology	Palomar College	Drafting Technology--Multimedia	1994

Drafting Technology	Palomar College	Drafting Technology--Technical	1970
Drafting Technology	Palomar College	Computer Assisted Drafting	1994
Drywall and Insulation	Palomar College	Apprenticeship: Acoustical Installer	2006
Electrical	Palomar College	Apprentice Electrician	1988
Electrical	Palomar College	Apprentice Inside Wireman	2006
Electrical	Palomar College	Apprentice Sound & Communications Systems Installer	1995
Electrical	Palomar College	Sound Technician Apprenticeship	2004
Electrical	Palomar College	Residential Wireman Apprenticeship	2007
Electrical, Electronic, and Electro-Mechanical Drafting	Palomar College	Electro-Mechanical Drafting and Design	1992
Electro-Mechanical Technology	Palomar College	Electro-Mechanical Equipment Technician	2002
Electronics and Electric Technology	Palomar College	Advanced Electronic Technician	1970
Engineering, General (requires Calculus) (Transfer)	Palomar College	Engineering	1970
Masonry, Tile, Cement, and Lath and Plaster	Palomar College	Apprenticeship: Plasterer	2007
Masonry, Tile, Cement, and Lath and Plaster	Palomar College	Apprenticeship: Drywall/Lather	1970
Mill and Cabinet Work	Palomar College	Furniture Making	1970
 Mill and Cabinet Work	Palomar College	Cabinetmaking and Furniture Design	1970
Mill and Cabinet Work	Palomar College	Cabinetmaking and Millwork	1970
Printing and Lithography	Palomar College	Graphic Communications Production	1970
Printing and Lithography	Palomar College	Graphic Communications Management	1970
Sheet Metal and Structural Metal	Palomar College		1990
Water and Wastewater Technology	Palomar College	Wastewater Technology Education	1971
Water and Wastewater Technology	Palomar College	Water Technology Education	1971
Welding Technology	Palomar College	Welding Technology	1970
Automotive Technology	Pasadena City College	Undercar Technician	2003

Automotive Technology	Pasadena City College	Air Conditioning Technician	2003
Automotive Technology	Pasadena City College	Engine Performance Technician	2003
Automotive Technology	Pasadena City College	Under hood Technician	2003
Automotive Technology	Pasadena City College	Automotive Technology - All Automotive Systems	1970
Automotive Technology	Pasadena City College	Powertrain Technician	2003
Computer Electronics	Pasadena City College	Electronics-Computer Technology	1972
Construction Crafts Technology	Pasadena City College	Building Construction	1970
Construction Inspection	Pasadena City College	Construction Inspection	1970
Drafting Technology	Pasadena City College	Drafting: Engineering Design Technology	1970
Electronics and Electric Technology	Pasadena City College	Electronics Technology	1972
Electronics and Electric Technology	Pasadena City College	Electrical Technology	1973
Machining and Machine Tools	Pasadena City College	Machine Shop Technology	1970
Printing and Lithography	Pasadena City College	Graphic Communication Technology: Computer Imaging & Composition	1970
Printing and Lithography	Pasadena City College	Graphic Communication Technology: Screen Printing	1970
Printing and Lithography	Pasadena City College	Graphic Communication Technology: Lithographic Press Operation	1970
Welding Technology	Pasadena City College	Welding: Construction, Aero-Space & Pipe Welding	1970
Welding Technology	Pasadena City College	Construction Welding	2004
Welding Technology	Pasadena City College	Gas Tungsten & Gas Metal Welding	2004
Diesel Technology	Redwoods, College of the	Diesel Technology	1965
Architectural Drafting	Redwoods, College of the	Drafting Technology, Architecture	1965
Automotive Technology	Redwoods, College of the	Automotive Technology	1965
Civil Drafting	Redwoods, College of the	Drafting Technology, Civil Design	1992
Construction Crafts Technology	Redwoods, College of the	Construction Technology	1967
Construction Crafts Technology	Redwoods, College of the	Residential Construction 1	2008
Construction Crafts Technology	Redwoods, College of the	Residential Construction 2	2008


Construction Crafts Technology	Redwoods, College of the	Historic Preservation & Restoration Technology (HPRT)	2008
Electronics and Electric Technology	Redwoods, College of the	Electronics Technology, General Option	1965
Machining and Machine Tools	Redwoods, College of the	Manufacturing Technology	1970
Manufacturing and Industrial Technology	Redwoods, College of the	Manufacturing Technology, CADD/CAMM Design & Manufacturing	1992
Mechanical Drafting	Redwoods, College of the	Drafting Technology, Mechanical	1992
Mill and Cabinet Work	Redwoods, College of the	Cabinetmaking & Millwork	2008
Mill and Cabinet Work	Redwoods, College of the	Fine Woodworking I	2008
Mill and Cabinet Work	Redwoods, College of the	Fine Woodworking II	1981
Welding Technology	Redwoods, College of the	Welding Technology	1967
Aviation Airframe Mechanics	Reedley College	Aviation Maintenance Technology: Airframe	2007
Aeronautical and Aviation Technology	Reedley College	Aviation Maintenance Technology	1970
Automotive Technology	Reedley College	Automotive Technology	1970
Aviation Power plant Mechanics	Reedley College	Aviation Maintenance Technology: Power plant	2007
Engineering, General (requires Calculus) (Transfer)	Reedley College	Engineering, General (requires Calculus) (Transfer)	2008
Machining and Machine Tools	Reedley College	Manufacturing Technology: Metal Working	1970
Machining and Machine Tools	Reedley College	Manufacturing Technology: Machine Tool	1970
Welding Technology	Reedley College	Welding Technology	1970
Welding Technology	Reedley College	Welding Technology	1970
Automotive Collision Repair	Rio Hondo College	Automotive Collision Repair & Painting	1976
Automotive Technology	Rio Hondo College	Automotive Technology	1972
Carpentry	Rio Hondo College	Carpentry Apprenticeship	1975
Civil Drafting	Rio Hondo College	Surveying, Mapping & Drawing	2008
Civil Drafting	Rio Hondo College	Civil Design Technology	2007
Civil Drafting	Rio Hondo College	Civil Design & Drawing	2008
Civil Drafting	Rio Hondo College	Civil Design Technology [Degree]	2007




Drafting Technology	Rio Hondo College	Engineering Design Drafting Technician	1980
Drafting Technology	Rio Hondo College	Engineering Design Drafting	1962
Electronics and Electric Technology	Rio Hondo College	Electronics Technology	1962
Heavy Equipment Operation	Rio Hondo College	Operating Engineers Apprenticeship	1979
Plumbing, Pipefitting, and Steam fitting	Rio Hondo College	Heat and Frost Insulating Apprenticeship	1977
Welding Technology	Rio Hondo College	Welding Technology	1966
Automotive Collision Repair	Riverside City College	Automotive Body Repair	1977
Automotive Technology	Riverside City College	Automotive Technology: Ford	1994
Automotive Technology	Riverside City College	Automotive Technology: Electrical	1970
Automotive Technology	Riverside City College	Automotive Technology: Mechanical	1970
Automotive Technology	Riverside City College	Automotive Technology: Toyota	1990
Automotive Technology	Riverside City College	Automotive Technology: General Motors	2003
Computer Electronics	Riverside City College	Electronics Computer Systems	1968
Construction Inspection	Riverside City College	Construction Technology	1970
Drafting Technology	Riverside City College	Engineering Software Applications	2001
Drafting Technology	Riverside City College	Drafting Technology	1970
Electronics and Electric Technology	Riverside City College	Electronics Technology	1968
 Engineering Technology, General	Riverside City College	Engineering Aide	1987
 Engineering Technology, General	Riverside City College	Engineering Technology	1994
Environmental Control Technology (HVAC)	Riverside City College	Air Conditioning & Refrigeration	1975
Manufacturing and Industrial Technology	Riverside City College	Manufacturing Tech-Automated Systems	1996
Manufacturing and Industrial Technology	Riverside City College	Manufacturing Management	2004
Manufacturing and Industrial Technology	Riverside City College	Automated Systems Technician	1996
Printing and Lithography	Riverside City College	Graphics Technology	1986
Upholstery Repair, Automotive	Riverside City College	Automotive Trim & Upholstery	1977
Welding Technology	Riverside City College	Welding Technology	1980

Aviation Airframe Mechanics	Sacramento City College	Aeronautics - Airframe	1970
Aeronautical and Aviation Technology	Sacramento City College	Aeronautics - Combined Airframe & Power plant	1970
Alternative Fuels and Advanced Transportation Technology	Sacramento City College	Electric Vehicle Technology	2000
Aviation Power plant Mechanics	Sacramento City College	Aeronautics - Power plant	1970
Drafting Technology	Sacramento City College	Engineering Design Technology	1970
Electronics and Electric Technology	Sacramento City College	Automated Systems Technician	1970
Electronics and Electric Technology	Sacramento City College	Electronics Facilities Maintenance Technician	1992
Electronics and Electric Technology	Sacramento City College	Electronics Mechanic	1992
Engineering, General (requires Calculus) (Transfer)	Sacramento City College	Engineering, Civil Engineering	2007
Engineering, General (requires Calculus) (Transfer)	Sacramento City College	Engineering, Mechanical/Aeronautical Engineering	2007
Engineering, General (requires Calculus) (Transfer)	Sacramento City College	Engineering, Electrical/Computer Engineering	2007
Engineering, General (requires Calculus) (Transfer)	Sacramento City College	Engineering, General	2007
Environmental Control Technology (HVAC)	Sacramento City College	Mechanical-Electrical Technology	1970
Environmental Control Technology	Sacramento City College	HVAC Systems Design	1995
 Environmental Control Technology	Sacramento City College	Nondestructive Testing	1990
Industrial Systems Technology and Maintenance	Sacramento City College	Mechanical Systems Technician	1970
Motorcycle, Outboard, and Small Engine Repair	Sacramento City College	Motorcycle Maintenance Technician	2003
Railroad and Light Rail Operations	Sacramento City College	Railroad Operations	2000
Surveying	Sacramento City College	Surveying (Geomatics)	1975
Telecommunications Technology	Sacramento City College	Telecommunications Technician	1992
Water and Wastewater Technology	Sacramento City College	Water and Wastewater Treatment Plant Operation	1975
Automotive Technology	Saddleback College	Automotive Engine Performance Specialist	1970

Automotive Technology	Saddleback College	Automotive Engine Service Specialist	1970
Automotive Technology	Saddleback College	Automotive Chassis Specialist	1970
Automotive Technology	Saddleback College	General Automotive Technician	1970
Computer Electronics	Saddleback College	Computer Maintenance Technology	2000
Construction Inspection	Saddleback College	Construction Inspection	1980
Drafting Technology	Saddleback College	Drafting Technology	1968
Electronics and Electric Technology	Saddleback College	Analog and Digital Circuit Electronic Technology	1993
Electronics and Electric Technology	Saddleback College	Digital Electronic Technology	1991
Electronics and Electric Technology	Saddleback College	General Electronic Technology	1974
Engineering, General (requires Calculus) (Transfer)	Saddleback College	Engineering	1968
Manufacturing and Industrial Technology	Saddleback College	Rapid Digital Manufacturing	2008
Marine Technology	Saddleback College	Seamanship	1979
Marine Technology	Saddleback College	Marine Science Technician	1969
Printing and Lithography	Saddleback College	Graphic Communications	1987
Automotive Collision Repair	San Bernardino Valley College	Basic Automotive Body and Paint Technician	1975
Automotive Collision Repair	San Bernardino Valley College	Advanced Automotive Body and Paint Technician	1975
 Airframe Mechanics	San Bernardino Valley College	Airframe Maintenance Technician	2005
Diesel Technology	San Bernardino Valley College	Heavy-Duty Diesel Technician	1970
Aeronautical and Aviation Technology	San Bernardino Valley College	Airframe and Power plant Technology/Aviation Maintenance Tech	1970
Aircraft Electronics (Avionics)	San Bernardino Valley College	Avionics Technology	2003
Automotive Technology	San Bernardino Valley College	Engine Performance	1975
Automotive Technology	San Bernardino Valley College	Automatic Transmission	1975
Automotive Technology	San Bernardino Valley College	Automotive Technician	1970

Automotive Technology	San Bernardino Valley College	Wheel Alignment and Brakes	1975
Aviation Power plant Mechanics	San Bernardino Valley College	Power plant Maintenance Technician	2005
Computer Electronics	San Bernardino Valley College	Computer Engineering Technology	1975
Construction Inspection	San Bernardino Valley College	Inspection Technology	1967
Electrical Systems and Power Transmission	San Bernardino Valley College	Electrical Power Technology	1970
Electronics and Electric Technology	San Bernardino Valley College	General Electrician Certification Training	2007
Electronics and Electric Technology	San Bernardino Valley College	Electronics Technology	1970
Environmental Control Technology (HVAC)	San Bernardino Valley College	Refrigeration and Air Conditioning	1971
Industrial Systems Technology and Maintenance	San Bernardino Valley College	Mechanical Hydraulics/Pneumatics	2005
Machining and Machine Tools	San Bernardino Valley College	Machinist Standard	1973
Machining and Machine Tools	San Bernardino Valley College	Machine Technology	2006
Machining and Machine Tools	San Bernardino Valley College	Tool and Die	1971
Manufacturing and Industrial Technology	San Bernardino Valley College	Computer Numerical Control: CAD/CAM	1991
 Communications Technology	San Bernardino Valley College	Communications Engineering Technology	1995
Water and Wastewater Technology	San Bernardino Valley College	Water Supply Engineering	1975
Welding Technology	San Bernardino Valley College	Consolidated Welding	1970
Welding Technology	San Bernardino Valley College	General Welding	1970
Computer Electronics	San Diego City College	Electronic Microprocessor/Microcontroller Design	1981
Drafting Technology	San Diego City College	Engineering: Drafting Option	1970
Electrical	San Diego City College	Construction Electronic Systems Technician Option	2006


Electrical	San Diego City College	Construction Trades - Electrical Trade Option	2000
Electrical Systems and Power Transmission	San Diego City College	Electricity Lineman	2005
Electrical Systems and Power Transmission	San Diego City College	Electrical Systems and Power Transmission Lineman	1970
Electrical Systems and Power Transmission	San Diego City College	San Diego City Civil Service Communications Tech Apprentice	2004
Electrical Systems and Power Transmission	San Diego City College	Electrical Control Systems	1981
Electrical Systems and Power Transmission	San Diego City College	Electricity	1981
Electrical Systems and Power Transmission	San Diego City College	San Diego Gas & Electric Co. Apprenticeship	1981
Electronics and Electric Technology	San Diego City College	Electronics: Military Electronics Technology	2008
Electronics and Electric Technology	San Diego City College	Electronics	1970
Engineering Technology, General	San Diego City College	Mecomtronics Engineering Technology	2001
Engineering, General (requires Calculus) (Transfer)	San Diego City College	Engineering	1970
Environmental Control Technology (HVAC)	San Diego City College	Air Conditioning, Heating, & Advanced Refrigeration	1970
Environmental Control Technology (HVAC)	San Diego City College	Heating, Ventilation, & AC Refrigeration Systems Design	1970
Environmental Control Technology (HVAC)	San Diego City College	Stationary Engineering Hospital & Gen. Maintenance Tech.	1970
Environmental Control Technology (HVAC)	San Diego City College	Heating, Ventilation, & Air Conditioning Apprenticeship	2001
Environmental Control Technology (HVAC)	San Diego City College	Operating and Maintenance Engineers HVAC Apprenticeship	2008
Machining and Machine Tools	San Diego City College	Machine Technology: Computerized Numerical Control	1962
Machining and Machine Tools	San Diego City College	Honeywell Tool and Die Apprenticeship	2004
Machining and Machine Tools	San Diego City College	CNC Technology	1995

Manufacturing and Industrial Technology	San Diego City College	Manufacturing Engineering Technology: Electronics	2006
Manufacturing and Industrial Technology	San Diego City College	Fabrication Manufacturing	2006
Manufacturing and Industrial Technology	San Diego City College	Electronics Manufacturing	2006
Manufacturing and Industrial Technology	San Diego City College	Manufacturing Engineering Technology: Fabrication	2006
Other Engineering, Industrial Technology	San Diego City College	Solar Turbines Inc. Apprenticeship	1995
Other Engineering, Industrial Technology	San Diego City College	Shipbuilding Technology	2005
Plumbing, Pipefitting, and Steam fitting	San Diego City College	Construction Trades - Pipefitting Trade Option	2000
Plumbing, Pipefitting, and Steam fitting	San Diego City College	Construction Trades - Plumbing Trades Option	2000
Plumbing, Pipefitting, and Steam fitting	San Diego City College	Pipefitting Apprenticeship	1981
Railroad and Light Rail Operations	San Diego City College	San Diego Trolley Apprenticeship	1981
Sheet Metal and Structural Metal	San Diego City College	Construction Trades: Sheet Metal Trade Option	2000
Technical Illustration	San Diego City College	Computer Technical Illustration w/ Engineering Emphasis	2000
Technical Illustration	San Diego City College	Computer Technical Illustration	1970
 Communications Technology	San Diego City College	Electronics Communication Systems	1981
Civil and Construction Management Technology	San Diego Mesa College	Construction Management	1970
Construction Inspection	San Diego Mesa College	Building Construction -- Inspection	1970
Engineering, General (requires Calculus) (Transfer)	San Diego Mesa College	Engineering	1970
Laboratory Science Technology	San Diego Mesa College	Chemistry Technician	2000
Aviation Airframe Mechanics	San Diego Miramar College	Aviation Maintenance Technology: Airframe	1971
Diesel Technology	San Diego Miramar College	Diesel Technology: Diesel Equipment Repair Technology	1980

Diesel Technology	San Diego Miramar College	Diesel Technology: Engine Repair, Detroit Diesel	2005
Diesel Technology	San Diego Miramar College	Diesel Technology: Engine Overhaul, Detroit Diesel	2005
Diesel Technology	San Diego Miramar College	Diesel Technology: Engine Repair, Caterpillar	2005
Diesel Technology	San Diego Miramar College	Diesel Technology: Engine Overhaul, Caterpillar	2005
Diesel Technology	San Diego Miramar College	Diesel Technology: Engine Repair, Cummins	2006
Diesel Technology	San Diego Miramar College		2006
Aeronautical and Aviation Technology	San Diego Miramar College	Aviation Maintenance Technology: Aviation General Studies	2005
Aeronautical and Aviation Technology	San Diego Miramar College	Aviation Maintenance Technology: Airframe and Power plant	2005
Aeronautical and Aviation Technology	San Diego Miramar College	Aviation Maintenance Technology: Pilot Studies	2006
Automotive Technology	San Diego Miramar College	Automotive Technology	1993
Automotive Technology	San Diego Miramar College	Automotive Technology: Automotive Electrical	1993
Automotive Technology	San Diego Miramar College	Automotive Technology: Automotive Engine	1993
Automotive Technology	San Diego Miramar College	Automotive Technology: Automotive Transmission	1993
Automotive Technology	San Diego Miramar College	Automotive Technology: Automotive Brakes and Suspension	1993
Aviation Power plant Mechanics	San Diego Miramar College	Aviation Maintenance Technology: Power plant	1971
Engineering, General (requires Calculus) (Transfer)	San Diego Miramar College	Pre-Engineering Studies	2008
Heavy Equipment Maintenance	San Diego Miramar College	San Diego City Civil Serve: Equipment Mechanic Apprenticeship	2002
Heavy Equipment Maintenance	San Diego Miramar College	Diesel Technology: Heavy Equipment Technology	1980
Heavy Equipment Maintenance	San Diego Miramar College	Diesel Technology: Heavy Duty Transportation Technology	1980
Automotive Collision Repair	San Francisco, City College	Automotive Metal Repair	1970

Automotive Collision Repair	San Francisco, City College	Auto Body & Fender Apprenticeship	1993
Aviation Airframe Mechanics	San Francisco, City College	Airframe Maintenance Technology	1970
Aircraft Electronics (Avionics)	San Francisco, City College	Avionics Maintenance Technology	1970
Automotive Technology	San Francisco, City College	Automotive Mechanics	1992
Aviation Power plant Mechanics	San Francisco, City College	Aircraft Power plant Maintenance Technology	1970
Civil and Construction Management Technology	San Francisco, City College	Construction Management	1970
Electronics and Electric Technology	San Francisco, City College	Electronic Engineering Technology	1970
Engineering Technology, General	San Francisco, City College	Mechanical Engineering Technology	1970
Engineering Technology, General	San Francisco, City College	Engineering Technology	1970
Engineering, General (requires Calculus) (Transfer)	San Francisco, City College	Engineering	1970
Motorcycle, Outboard, and Small Engine Repair	San Francisco, City College	Motorcycle, Outboard, and Small Engine Repair	2006
Printing and Lithography	San Francisco, City College	Prepress	1975
Printing and Lithography	San Francisco, City College	Digital Printing and Publishing	2000
Printing and Lithography	San Francisco, City College	Print Production	1970
Automotive Collision Repair	San Joaquin Delta College	Automotive Body Repair	1976
Diesel Technology	San Joaquin Delta College	Diesel Equipment Technician	1979
 Diesel Technology	San Joaquin Delta College	Diesel Automotive Equipment Technician	1989
Automotive Technology	San Joaquin Delta College	Automotive Electric Technology	1976
Automotive Technology	San Joaquin Delta College	Automotive Dealer Technician	2001
Automotive Technology	San Joaquin Delta College	Automotive Master Technician	1994
Automotive Technology	San Joaquin Delta College	Automotive Master Technician - Apprenticeship Option	2003
Automotive Technology	San Joaquin Delta College	Automotive Mechanics Technology	1976
Carpentry	San Joaquin Delta College	Carpentry Technology	1979
Civil and Construction Management Technology	San Joaquin Delta College	Construction Management Technology	1979
Civil Drafting	San Joaquin Delta College	Engineering Technology: Civil	1982

		Specialization	
Drafting Technology	San Joaquin Delta College	Engineering: Computer-Aided Drafter	2000
Electrical, Electronic, and Electro-Mechanical Drafting	San Joaquin Delta College	Engineering Technology: Electro-Mechanical Specialization	2000
Electron Microscopy	San Joaquin Delta College	Electron Microscopy: Crystalline Material	1976
Electron Microscopy	San Joaquin Delta College	Electron Microscopy: Biological	1976
Electronics and Electric Technology	San Joaquin Delta College	Electrical Technology	1979
Electronics and Electric Technology	San Joaquin Delta College	Electronics Technology	1979
Electronics and Electric Technology	San Joaquin Delta College	Electrical Technology - Apprenticeship Option	2003
Engineering, General (requires Calculus) (Transfer)	San Joaquin Delta College	Engineering	1986
Engineering, General (requires Calculus) (Transfer)	San Joaquin Delta College	Engineering, General	1986
Environmental Control Technology (HVAC)	San Joaquin Delta College	Refrigeration	1980
Environmental Control Technology (HVAC)	San Joaquin Delta College	Heating and Air Conditioning: Refrigeration	1982
Heavy Equipment Maintenance	San Joaquin Delta College	Caterpillar Dealer Service Technician	2002
Heavy Equipment Maintenance	San Joaquin Delta College	Heavy Equipment Technician	2002
Heavy Equipment Maintenance	San Joaquin Delta College	Heavy Equipment Mechanic	2002
Industrial Systems Technology and Maintenance	San Joaquin Delta College	Industrial Technology: Maintenance Apprenticeship Option	2003
Industrial Systems Technology and Maintenance	San Joaquin Delta College	Industrial Technology - Electrical Apprenticeship Option	2003
Industrial Systems Technology and Maintenance	San Joaquin Delta College	Industrial Technology - Mechanical Apprenticeship Option	2003
Industrial Systems Technology and Maintenance	San Joaquin Delta College	Industrial Technology-Operations Apprenticeship Option	2003
Industrial Systems Technology and Maintenance	San Joaquin Delta College	Fluid Power & Automation Technology	1979

Industrial Systems Technology and Maintenance	San Joaquin Delta College	Industrial Technology	1980
Machining and Machine Tools	San Joaquin Delta College	Machine Shop Technology	1963
Mechanical Drafting	San Joaquin Delta College	Engineering Technology: Mechanical Specialization	2000
Mill and Cabinet Work	San Joaquin Delta College	Mill Cabinet Technology	1979
Motorcycle, Outboard, and Small Engine Repair	San Joaquin Delta College	Small Engine Repair Technology	1976
Other Engineering, Industrial Technology	San Joaquin Delta College	Technical Education	1963
Welding Technology	San Joaquin Delta College	Welding Technology	1979
Construction Crafts Technology	San Jose City College	Residential Maintenance	1970
Construction Crafts Technology	San Jose City College	Construction Technology	1970
Environmental Control Technology (HVAC)	San Jose City College	Air Conditioning & Refrigeration	1972
Environmental Control Technology (HVAC)	San Jose City College	Air Conditioning & Refrigeration Technology Level 3	1972
Environmental Control Technology (HVAC)	San Jose City College	Air Conditioning & Refrigeration	1972
Glazing	San Jose City College	Glazing Apprenticeship	2003
Industrial Systems Technology and Maintenance	San Jose City College	Facilities Maintenance Technology	2003
Laser and Optical Technology	San Jose City College	Laser Technology - 3: Technical Associate	1970
 Laser and Optical Technology	San Jose City College	Laser Technology [D]	1970
Machining and Machine Tools	San Jose City College	Machine Technology	1970
Machining and Machine Tools	San Jose City College	Entry Level Machinist	1970
Machining and Machine Tools	San Jose City College	CNC Machine Operator	1970
Aircraft Electronics (Avionics)	San Mateo, College of	Avionics System Maintenance: Option 2	1990
Aircraft Electronics (Avionics)	San Mateo, College of	Avionics System Maintenance: Option 1	1990
Construction Inspection	San Mateo, College of	Building Inspection Technology	1975
Drafting Technology	San Mateo, College of	Computer Aided Drafting	1970
Electrical	San Mateo, College of	Sound and Communications Apprenticeship	2004
Electrical	San Mateo, College of	Electrical Technology	1970

Electronics and Electric Technology	San Mateo, College of	Electronics & Electric Technology	1970
Engineering Technology, General	San Mateo, College of	Engineering Technology	1970
Engineering Technology, General	San Mateo, College of	Engineering Technology: Electronics	1970
Engineering, General (requires Calculus) (Transfer)	San Mateo, College of	Engineering	1970
Environmental Control Technology (HVAC)	San Mateo, College of	Refrigeration & Air Conditioning Mechanics	1989
Plumbing, Pipefitting, and Steam fitting	San Mateo, College of	Plumbing and Pipe Fitting	1970
Plumbing, Pipefitting, and Steam fitting	San Mateo, College of	Fire Sprinkler Technology	1995
Welding Technology	San Mateo, College of	Welding Technology	1970
Welding Technology	San Mateo, College of	General Welder	1970
Diesel Technology	Santa Ana College	Mid-Range Engine Service	1970
Architectural Drafting	Santa Ana College	Architectural/Civil Engineering/Construction Drafting & Desi	1970
Automotive Technology	Santa Ana College	Engine Performance and Electrical	1970
Automotive Technology	Santa Ana College	Automotive Technology	1970
Drafting Technology	Santa Ana College	Computer Aided Drafting and Design	1984
Drafting Technology	Santa Ana College	Engineering Drafting and Design	1973
Engineering Technology, General	Santa Ana College	Engineering Civil Technology	1970
Engineering, General (requires Calculus) (Transfer)	Santa Ana College	Engineering	1970
Heavy Equipment Maintenance	Santa Ana College	Diesel and Heavy Equipment Technology	1970
Machining and Machine Tools	Santa Ana College	Manufacturing Technology: CNC Machine Set Up & Operation	1997
Machining and Machine Tools	Santa Ana College	Manufacturing Technology: Conventional Machining	1970
Machining and Machine Tools	Santa Ana College	Manufacturing Technology: CNC Lathe Set Up & Operation	2005
Machining and Machine Tools	Santa Ana College	Manufacturing Technology: CNC Milling Machine Set Up &	2005



		Opera	
Machining and Machine Tools	Santa Ana College	Manufacturing Technology: CNC Programmer	1997
Manufacturing and Industrial Technology	Santa Ana College	Engineering Industrial Technology	1970
Manufacturing and Industrial Technology	Santa Ana College	Manufacturing Technology: CAD/CAM	1970
Welding Technology	Santa Ana College	Welding Technology	1977
Automotive Technology	Santa Barbara City College	Automotive Service & Technology	1962
Diving and Underwater Safety	Santa Barbara City College	Marine Diving Technology	1970
Drafting Technology	Santa Barbara City College	Drafting/CAD	1981
Engineering, General (requires Calculus) (Transfer)	Santa Barbara City College	Engineering	1948
Water and Wastewater Technology	Santa Barbara City College	Water Science: Water Treatment Option	1987
Water and Wastewater Technology	Santa Barbara City College	Water Science: Water Distribution Option	1987
Water and Wastewater Technology	Santa Barbara City College	Water Science: Wastewater Treatment Option	1987
Water and Wastewater Technology	Santa Barbara City College	Water Science: Wastewater Collection Option	1987
Diesel Technology	Santa Rosa Junior College	Diesel Equipment Technology	1978
Automotive Technology	Santa Rosa Junior College	Automotive Technology	1970
Civil and Construction Management 	Santa Rosa Junior College	Architecture & Construction Technology: Construction Mgmt.	1970
Electronics and Electric Technology	Santa Rosa Junior College	Electronic Technology: Accelerated	1971
Electronics and Electric Technology	Santa Rosa Junior College	Electronics Technology: Extended	1975
Machining and Machine Tools	Santa Rosa Junior College	Machine Tool Technology	1970
Surveying	Santa Rosa Junior College	Civil & Surveying Technology: Land Surveying Emphasis	2004
Surveying	Santa Rosa Junior College	Civil & Surveying Technology: Civil Engineering Emphasis	1970
Welding Technology	Santa Rosa Junior College	Welding Technology	1970
Carpentry	Santiago Canyon College	Apprenticeship: Carpentry,	2002

		Finish Carpentry	
Carpentry	Santiago Canyon College	Apprenticeship: Carpentry, Framing	2002
Carpentry	Santiago Canyon College	Apprenticeship: Carpentry, Tilt-up	2002
Carpentry	Santiago Canyon College	Apprenticeship: Carpentry, Concrete	2002
Drywall and Insulation	Santiago Canyon College	Apprenticeship: Carpentry, Drywall Finisher	2000
Drywall and Insulation	Santiago Canyon College	Apprenticeship: Drywall Lather	2000
Electrical	Santiago Canyon College	General Electrician	2008
Electrical	Santiago Canyon College	Apprenticeship: Industrial Electrical	2000
Electrical	Santiago Canyon College	General Electrician	2008
Electrical Systems and Power Transmission	Santiago Canyon College	Apprenticeship: Power Lineman	2000
Heavy Equipment Operation	Santiago Canyon College	Apprenticeship: Plant Equipment/Rock, Sand & Gravel Operator	2007
Heavy Equipment Operation	Santiago Canyon College	Apprenticeship: Operating Engineers Heavy Equipment Operator	2000
Industrial Quality Control	Santiago Canyon College	Apprenticeship: Special Inspector	2007
Industrial Systems Technology and Maintenance	Santiago Canyon College	Apprenticeship-Maintenance Mechanic I	2000
Industrial Systems Technology and Maintenance	Santiago Canyon College	Apprenticeship: Maintenance Mechanic II	2000
Industrial Systems Technology and Maintenance	Santiago Canyon College	Apprenticeship--Millwrighting	2000
Surveying	Santiago Canyon College	Apprenticeship: Surveying, Chainman	2002
Surveying	Santiago Canyon College	Apprenticeship: Surveying, Chief of Party	2000
Surveying	Santiago Canyon College	Surveying and Mapping Sciences- Land Surveyor	2000
Water and Wastewater Technology	Santiago Canyon College	Water Distribution and Water Treatment Options	2000
Water and Wastewater Technology	Santiago Canyon College	Wastewater/Environmental Sanitation	2000
Automotive Technology	Sequoias, College of the	Automotive Technology	1961

Automotive Technology	Sequoias, College of the	Automotive Technology	2007
Construction Crafts Technology	Sequoias, College of the	Construction Technology	1970
Construction Inspection	Sequoias, College of the	Construction Inspection	1991
Drafting Technology	Sequoias, College of the	Drafting: Mechanical	1972
Electronics and Electric Technology	Sequoias, College of the	Electrician Training	2007
Electronics and Electric Technology	Sequoias, College of the	Electronics Technology	1961
Engineering, General (requires Calculus) (Transfer)	Sequoias, College of the	Engineering	1970
Environmental Control Technology (HVAC)	Sequoias, College of the	Environmental Control Technology (HVAC)	1987
Industrial Systems Technology and Maintenance	Sequoias, College of the	Industrial Maintenance Technology (Option B)	1985
Welding Technology	Sequoias, College of the	Welding Technology	1973
Diesel Technology	Shasta College	Diesel Technology	1952
Automotive Technology	Shasta College	Apprenticeship: Automotive Technology [degree]	1951
Automotive Technology	Shasta College	Apprenticeship: Automotive Technology	1951
Automotive Technology	Shasta College	Automotive Engine Performance Smog Technician	1999
Construction Crafts Technology	Shasta College	Construction Technology	1955
Drafting Technology	Shasta College	Computer Aided Drafting Technology	1956
Engineering Technology, General	Shasta College	Civil Engineering Technology	1951
Engineering Technology, General	Shasta College	University Studies - Engineering	2008
Other Engineering, Industrial Technology	Shasta College	General Studies - Industrial Technologies	2008
Water and Wastewater Technology	Shasta College	Water/Waste Water Treatment	1989
Welding Technology	Shasta College	Welding Technology [degree]	1956
Welding Technology	Shasta College	Welding Technology	1956
Industrial Electronics	Sierra College	Computer Integrated Electronics: Mechatronics Technology	2005
Architectural Drafting	Sierra College	Computer-Aided Drafting Specialist: Architectural	1990
Automotive Technology	Sierra College	Alignment & Brake	1969



Automotive Technology	Sierra College	Air Conditioning and Body Electrical	1981
Automotive Technology	Sierra College	Automotive Analysis	1962
Automotive Technology	Sierra College	Automatic Transmission	1981
Automotive Technology	Sierra College	Power Train	1969
Automotive Technology	Sierra College	Automotive Engine Machining	1969
Automotive Technology	Sierra College	Master Automotive Technician	1969
Automotive Technology	Sierra College	Emission and Drivability Tune-up	1969
Carpentry	Sierra College	Carpentry	1965
Computer Electronics	Sierra College	Computer Technology	1991
Computer Electronics	Sierra College	Computer Integrated Electronics: Computer Technology	1962
Construction Crafts Technology	Sierra College	Residential Building Construction	1972
Electronics and Electric Technology	Sierra College	Computer Integrated Electronics: Electronics Technology	1991
Engineering, General (requires Calculus) (Transfer)	Sierra College	Engineering	1962
Laser and Optical Technology	Sierra College	Optical Electronic Technician	1991
Manufacturing and Industrial Technology	Sierra College	Welding Technology	1962
Mechanical Drafting	Sierra College	Computer-Aided Drafting Specialist: Mechanical/ Civil	1990
Mill and Cabinet Work	Sierra College	Cabinet Making	1965
Mill and Cabinet Work	Sierra College	Mill Cabinet	1965
Welding Technology	Sierra College	Welding	1976
Engineering, General (requires Calculus) (Transfer)	Siskiyou, College of the	Engineering	1959
Welding Technology	Siskiyou, College of the	Welding	1968
Automotive Technology	Skyline College	Automotive Technology	1984
Automotive Technology	Skyline College	Service Advising	1992
Automotive Technology	Skyline College	Toyota Technical Education Network	1990
Automotive Technology	Skyline College	Japanese Automotive Technology	1992

Automotive Technology	Skyline College	Automotive Technician	1984
Electro-Mechanical Technology	Skyline College	Telecommunications and Wireless Technology	1984
Automotive Collision Repair	Solano Community College	Automotive Body & Repair	1973
Aviation Airframe Mechanics	Solano Community College	Aeronautics Airframe Maintenance Technician	1973
Aeronautical and Aviation Technology	Solano Community College	Aeronautics Airframe & Power plant Maintenance Technician	1973
Aircraft Electronics (Avionics)	Solano Community College	Avionics Technician	1999
Automotive Technology	Solano Community College	Automotive Technician	1973
Aviation Power plant Mechanics	Solano Community College	Aeronautics Power plant Maintenance Technician	1973
Computer Electronics	Solano Community College	Electronics Technology	1970
Drafting Technology	Solano Community College	Drafting Technician	1970
Industrial and Occupational Safety and Health	Solano Community College	Industrial Management, Safety	1970
Industrial Systems Technology and Maintenance	Solano Community College	Maintenance Technician	1973
Water and Wastewater Technology	Solano Community College	Water & Wastewater Technology	1974
Welding Technology	Solano Community College	Welding Technician	1973
Welding Technology	Solano Community College	Welding, Industrial Technician	1973
Automotive Technology	Southwestern College	Automotive Technology	1970
Automotive Technology	Southwestern College	Automotive Performance System	1970
 Construction Management	Southwestern College	Construction Management	1975
Computer Electronics	Southwestern College	Microsoft Certified Systems: Advanced	2006
Computer Electronics	Southwestern College	Microsoft Certified Systems: Basic	2006
Computer Electronics	Southwestern College	Electronics: Computer Technician	2000
Construction Inspection	Southwestern College	Construction Inspection	1970
Drafting Technology	Southwestern College	Computer Aided Design & Drafting: Advanced	1986
Drafting Technology	Southwestern College	Design Technology	1985
Electronics and Electric Technology	Southwestern College	Electrical and Electronics Test Technician	2005

Electronics and Electric Technology	Southwestern College	Electronics: Electronics Technician	1970
Engineering, General (requires Calculus) (Transfer)	Southwestern College	Engineering	1971
Industrial and Occupational Safety and Health	Southwestern College	Occupational Health & Safety	2000
Laboratory Science Technology	Southwestern College	Pharmaceutical & Laboratory Science	2005
Motorcycle, Outboard, and Small Engine Repair	Southwestern College	Small Engine Service & Repair	1983
Telecommunications Technology	Southwestern College	Electronics: Internetworking Technician	2000
Telecommunications Technology	Southwestern College	Electronics: Network Administrator	2000
Petroleum Technology	Taft College	Petroleum Technology	1980
Automotive Technology	Taft College	Automotive Electricity, Electronics, & Microprocessors	1970
Automotive Technology	Taft College	Automotive Technology	1970
Automotive Technology	Taft College	Automotive Engine Rebuilding	1970
Automotive Technology	Taft College	Automotive Tune-up, Electronic Diagnosing, & Emissions	1970
Automotive Technology	Taft College	Automotive Computerized Engine Controls	1970
Electronics and Electric Technology	Taft College	Electronics	1970
 Industrial and Occupational Safety	Taft College	Industrial Health and Safety	2005
Other Engineering, Industrial Technology	Taft College	Industrial Technology	1970
Automotive Technology	Ventura College	Automotive Technology	1970
Civil and Construction Management Technology	Ventura College	Construction Technology -- Construction Management Option	1986
Construction Inspection	Ventura College	Construction Technology -- Building Inspection Option	1977
Electrical, Electronic, and Electro-Mechanical Drafting	Ventura College	Drafting Technology: Electronic Drafting and Manufacturing	1970
Engineering Technology, General	Ventura College	Physical Science -- Engineering Technology	1970

Engineering, General (requires Calculus) (Transfer)	Ventura College	Engineering	1970
Machining and Machine Tools	Ventura College	Machine Technology	1970
Mechanical Drafting	Ventura College	Mechanical Drafting: Industrial Design & Manufacturing	1970
Water and Wastewater Technology	Ventura College	Water Science: Wastewater Option	1970
Water and Wastewater Technology	Ventura College	Water Science: Water Option	1970
Welding Technology	Ventura College	Welding Technology	1970
Aviation Airframe Mechanics	Victor Valley Community Coll	Aviation Maintenance Technology: Aviation Airframe	2007
Aeronautical and Aviation Technology	Victor Valley Community Coll	Aviation Maintenance Technology	2007
Architectural Drafting	Victor Valley Community Coll	Architectural Drafting	1991
Automotive Technology	Victor Valley Community Coll	Automotive Specialist II	1987
Automotive Technology	Victor Valley Community Coll	Automotive Specialist I	1987
Automotive Technology	Victor Valley Community Coll	Automotive Technology	1970
Aviation Power plant Mechanics	Victor Valley Community Coll	Aviation Maintenance Technology: Aviation Power plant	2007
 Construction Management	Victor Valley Community Coll	Construction Management	1992
Computer Electronics	Victor Valley Community Coll	Electronics Engineering Technology--Computer Emphasis	1989
Computer Electronics	Victor Valley Community Coll	Computer Technology	1995
Computer Electronics	Victor Valley Community Coll	Electronics and Computer Technology	1961
Construction Crafts Technology	Victor Valley Community Coll	Construction Technology	1990
Construction Crafts Technology	Victor Valley Community Coll	Building Construction	1990
Construction Inspection	Victor Valley Community Coll	Building Inspection	1992
Drafting Technology	Victor Valley Community Coll	Computer Aided Drafting	1994

Drafting Technology	Victor Valley Community Coll	Drafting	1991
Electronics and Electric Technology	Victor Valley Community Coll	Electronics Technology	1961
Electronics and Electric Technology	Victor Valley Community Coll	Digital Electronics	1972
Electronics and Electric Technology	Victor Valley Community Coll	Electronics Engineering Technology--Electronics Emphasis	1989
Mechanical Drafting	Victor Valley Community Coll	Mechanical Drafting	1990
Telecommunications Technology	Victor Valley Community Coll	Communication Electronics Certificate	1972
Welding Technology	Victor Valley Community Coll	Welding	1965
Engineering, General (requires Calculus) (Transfer)	West Hills College, Lemoore	Engineering	2003
Aviation Airframe Mechanics	West Los Angeles College	Airframe Maintenance Technician	1978
Aeronautical and Aviation Technology	West Los Angeles College	Aviation Maintenance Technician	1978
Aviation Power plant Mechanics	West Los Angeles College	Aircraft Power Plant Technician	1978
Engineering, General (requires Calculus) (Transfer)	West Los Angeles College	Engineering	1970
Drafting Technology	West Valley College	Drafting Technology	1966
Engineering, General (requires Calculus) (Transfer)	West Valley College	Engineering	1970
Automotive Collision Repair	Yuba College	Auto Body & Paint	1970
Industrial Electronics	Yuba College	Industrial Electronics Technician	1994
Architectural Drafting	Yuba College	Architectural Studies	1970
Automotive Technology	Yuba College	Automotive Chassis	1970
Automotive Technology	Yuba College	Automotive Drive Trains	1970
Automotive Technology	Yuba College	Master Mechanic	1970
Automotive Technology	Yuba College	Tune-up and Drivability	1970
Electronics and Electric Technology	Yuba College	Electronics Technology	1970

List of Additional Manufacturing Training Programs:

Department of Industrial Development (DIR) Division of Apprenticeship Standards (DAS)

California's employers consider apprenticeship opportunities to develop their pipeline of skilled laborers, create a more flexible workforce, reduce employee turnover, instill company loyalty (through the employer's commitment to training), increase productivity as employee skills increase and for improved customer satisfaction generated by quality workmanship.

In recognition of these considerations, and to assist companies engaged in apprenticeship opportunities, the Division of Apprenticeship Standards (DAS) at the Department of Industrial Relations administers California's apprenticeship law and is responsible for the promotion and development of employment-based apprenticeship training in a variety of industries and occupations. Over 54,000 registered apprentices are currently in training in over 550 apprenticeship programs around the state, graduating approximately 8,000 new journey-level workers with nationally recognized state approved certifications each year.

DAS consultants work with individual employers to design and implement employment-based training programs incorporating on-the-job training with related post-secondary classroom instruction provided through local community colleges and adult education programs. Categorical apprenticeship funding may be available to cover the costs of related classroom instruction. Veterans can receive GI benefits to help supplement their wages and apprenticeship programs qualify for a variety of subsidized training assistance.

Find more information about California's registered apprenticeship programs at <http://www.dir.ca.gov/das>

Additionally, California has more than 30 major workforce education and training programs administered throughout nine state agencies. Many of these programs work directly with California businesses to create job-specific training in a broad range of manufacturing professions.

California Conservation Corps

<http://www.lao.ca.gov/Education/WorkforceEd/Programs#collapseTwo>

Program	Description
Core Training Program	Ongoing non-Proposition 98 General Fund to provide education and training services to Corps members, including high school diploma and GED, technical skills, career guidance, and job search assistance.
Energy Corps	Ongoing special funds from the Clean Energy Job Creation Fund (Proposition 39) to train Corps members to assist California schools in becoming more energy efficient. Corps members collect information at schools to help complete energy-efficiency plans and assist schools and other agencies in making corresponding changes, such as converting to more energy-efficient lighting.

California Department of Corrections and Rehabilitation (CDCR)

<http://www.lao.ca.gov/Education/WorkforceEd/Programs#collapseThree>

Program	Description
Office of Correctional Education programs	Ongoing non-Proposition 98 General Fund to provide academic and CTE programs to incarcerated adults at adult state prisons. Overall objective is to reduce recidivism. Prisons offer basic skills, CTE, and high school diploma and equivalency programs.

Office of Offender Services workforce programs	Primarily ongoing non-Proposition 98 General Fund to support various programs that prepare offenders for release and provide employment preparation, transitional employment, and job placement assistance upon release. The in-prison Transitions Program provides a curriculum for offenders on how to get and retain a job as well as information about services offered at America's Job Centers of California. Reentry programs include (1) the CalTrans Parolee Work Crew Program (overseen by CDCR and CalTrans) that hires parolees to clear litter from roadways, and (2) the Female Offender Treatment and Employment Program that provides CTE training and employment services to female offenders
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California Department of Education (CDE)


<http://www.lao.ca.gov/Education/WorkforceEd/Programs#collapseFour>

Program	Description
Adults in Correctional Facilities (Jail Ed)	Proposition 98 reimbursement to county offices of education (COEs) and school districts that provide educational programs to inmates at county jail facilities. Coursework varies and the state does not track participation by subject area. Providers create memoranda of understanding with jails and apply to CDE to receive funding based on average daily attendance.
Agriculture Incentive Grants	Ongoing Proposition 98 funding for high schools to support nonsalary agricultural education costs. Funds are commonly used to purchase equipment and pay for student field trips. Requires local match.
California Partnership Academies	Ongoing Proposition 98 funding to high schools to operate small learning communities that integrate a career theme with academic education in grades 10 through 12. Conditions of funding include a private sector match, an internship or work experience for students, and a common planning period for academy teachers.
CDE student services for CalWORKs recipients	Ongoing Proposition 98 and federal TANF funding for adult education programs and Regional Occupational Centers and Programs (ROCP) to provide adult education and training that leads to employment for students receiving CalWORKs assistance. CDE distributes funding to providers based on enrolled CalWORKs recipients.
CTE Incentive Grants	Proposition 98 funding for a three-year competitive grant program to support CTE. School districts, COEs, charter schools, and joint powers agencies (JPAs) may apply. Applicants that do not currently operate CTE programs, regions with high dropout rates, and rural areas receive funding priority. Requires a local match and ongoing commitment to fund programs after grant sunsets.
Local Control Funding Formula (LCFF) add-on for workforce education and training	Ongoing Proposition 98 funding for a 2.6 percent LCFF add-on to the base rate for high school students. Some combination of base and add-on funds is intended to support the costs of offering CTE instruction. The add-on originally was calculated to reflect ROCP funding. (Districts also have discretion to use LCFF funds to support adult education.)
Project Workability	Ongoing Proposition 98 funding for pre-employment training and employment placement for high school students in special education. Students are placed in employment and the program fully subsidizes their wages until they complete high school or turn 22 years old.
Regional Occupational Centers and Programs	Education agencies may choose to use their general purpose Proposition 98 funding for regionally focused CTE at high schools and regional centers. (Prior to 2013-14, the state funded ROCP through a categorical program.) Primarily serves high school

	students ages 16 through 18, though adults also enroll.
Specialized Secondary Programs	Ongoing Proposition 98 funding for short-term competitive grants for school districts to pilot programs that prepare students for college and careers in specialized fields. Ongoing Proposition 98 funding also supports two high schools specializing in math, science, and the arts.
Youth Career Connect	Federal one-time competitive grants to improve career options for high school students by facilitating partnerships among businesses, high schools, and colleges. Grantees must scale up evidence-based high school models such as work-based learning and dual enrollment. Requires local match.

CDE and CCC Joint Programs

<http://www.lao.ca.gov/Education/WorkforceEd/Programs#collapseFive>

Program	Description
Adult Education Block Grant	Ongoing Proposition 98 funding allocated by the CCC Chancellor's Office to regional consortia of community colleges, schools districts, COEs, and JPAs. Consortia may offer adult education in seven areas of instruction: basic skills, CTE, ESL and citizenship, programs for adults with disabilities, workforce programs for older adults, caregiving programs for older adults, and pre-apprenticeship programs. Funding is based on consortia's prior-year funding, performance, and regional need.
Apprenticeships	Ongoing Proposition 98 funding allocated by the CCC Chancellor's Office to schools and community colleges to help support the classroom instruction component of apprenticeship training. Apprenticeships are paid, educational work programs that pair students with skilled workers for supervised, hands-on learning, typically in the skilled trades. Apprenticeships last from two to six years and commonly are sponsored by businesses or labor unions that help design and support the programs and recruit apprentices.
Career Pathways Trust	One-time Proposition 98 funding for two rounds of competitive grants administered by CDE. Grants fund regional consortia of schools and community colleges partnering with local businesses to improve linkages between CTE programs and local workforce needs. Authorizes several types of activities, such as creating new CTE pathways, articulation agreements, and curriculum. Requires local match.
Carl D. Perkins Career and Technical Education Act Program	Ongoing federal funding allocated by CDE to schools, community colleges, and correctional facilities. May be used for a number of CTE purposes, including curriculum and professional development and the purchase of equipment and supplies for the classroom. Of these monies, 85 percent directly funds local CTE programs and the other 15 percent supports statewide administration and leadership activities, such as support for CTE student organizations.
 CCC Quality Program	Limited-term Proposition 98 funding (partly from the Quality Education Investment Act) administered by the CCC Chancellor's Office to improve linkages among CTE programs at schools, community colleges, universities, and local businesses. Program has funded various activities, including developing CTE courses that meet college acceptance requirements, supporting CTE student organizations, and supplementing some related CTE programs, including the California Partnership Academies. Funding renewed annually since 2005. Scheduled to sunset June 30, 2016.

California Department of Rehabilitation

<http://www.rehab.cahwnet.gov/index.asp>

Program	Description
Vocational Rehabilitation	Ongoing federal WIOA Title IV funding (and some state General Fund) to provide vocational rehabilitation services for adults and youth with disabilities, including employment, education, and job placement assistance. Funds career assessment and counseling, job search and interview skills training, career training, and assistive technology such as hearing aids.

California Employment Development Department (EDD)

<http://www.lao.ca.gov/Education/WorkforceEd/Programs#collapseEight>

Program	Description
Adult, Youth, and Dislocated Worker Services	Ongoing federal WIOA Title I funding for America's Job Centers of California (formerly known as OneStops). These centers provide workforce information, resources, and employment services to adults, youth, and dislocated workers. Services include job search assistance, career assessment, career counseling, on-the-job training, and adult education and training. Funds also support education and job programs, including YouthBuild and Job Corps, for disengaged youth ages 16-24.
Employment Training Panel	Reimbursements from the state Employment Training Tax to support retraining programs for current employees and companies facing out-of-state competition, training programs for recipients of unemployment benefits, and training programs for employers that meet certain criteria, such as those required to pay wages above the state average.
Proposition 39 pre-apprenticeship support, training, and placement	Special funds from the Clean Energy Job Creation Fund for competitive grants to regional workforce partners to implement and support "green" pre-apprenticeships that lead to industry-valued credentials, entry into apprenticeship, or direct employment in the energy-efficiency workforce. Funds may be used to provide training, support services, and job placement assistance.
Regional Workforce Accelerator Program	Discretionary federal WIOA Title I funds to provide competitive grants to regional workforce partners that use innovative strategies to address gaps in education and workforce, with the goal of replicating and applying the strategies to other regions of the state.
SlingShot	Discretionary federal WIOA Title I funds to provide competitive grants to regional workforce partners to support alignment of job seekers and market demand. Grantees must submit a plan that identifies a workforce challenge in the region and a strategy to address it. Requires local match.
 Jobs for Veterans Grant	Ongoing federal WIOA Title I to provide workforce services to veterans at America's Job Centers of California. Services include assessments of education, skills, and abilities; career planning; and work-readiness skills training. Funding distributed based on the number of veterans seeking employment.
Wagner-Peyser Employment Services	Ongoing federal WIOA Title III funding to provide services to connect job seekers with available positions in the labor market. EDD works with employers to list job openings on an open online database known as CalJOBS.

California Energy Commission

<http://www.lao.ca.gov/Education/WorkforceEd/Programs#collapseNine>

Program	Description
Investing in California Communities through Building Energy Efficiency workforce development program	Funds collected through the state Electric Program Investment Charge, an electricity and ratepayer surcharge established by the California Public Utilities Commission. The California Energy Commission allocates funds via competitive grants to any entity except publicly owned utilities to provide workforce training in making buildings more energy efficient. Requires local match.

California Prison Industrial Authority (CalPIA)

<http://www.lao.ca.gov/Education/WorkforceEd/Programs#collapseNine>

Program	Description
Offender Development programs	Funds collected through the sale of CalPIA inmate-produced goods support inmate CTE and employability programs. CalPIA collaborates with trade unions to provide CTE to inmates and operates the Inmate Employability Program, which requires CalPIA factory supervisors to help inmates develop work habits and job application materials, such as portfolios.

COST OF DOING BUSINESS

This section highlights the costs associated with doing business in the state including taxes, wages, insurance, and energy expenses.

Source: *California Franchise Tax Board*

Average State and Local Sales Tax % (2016): The California sales tax rate is currently 6.00%. However, California adds a mandatory local rate of 1.25% that increases the total state sales and use tax base to 7.25%. Depending on local municipalities, the total tax rate can be as high at 9.75%. Food and prescription drugs are exempt from sales tax.

State and Local Taxes per Capita (2014): \$1,228

State and Local Taxes per \$1,000.00 income (2013-14): \$55.55

State and Local Revenue as a Percentage of Personal Income (2016): 11.2%

State Corporate Income Tax Percentage: see table below

Year	S-Corporation	C-Corporation	Bank/Financial	
			C-Corporation	S-Corporation
1997 - Current	1.5%	8.84%	10.84%	3.5%
1995 - 1996	1.5%	9.3%	11.3%	3.5%
1994	1.5%	9.3%	11.470%	3.670%
1993	2.5%	9.3%	11.107%	4.307%
1992	2.5%	9.3%	11.007%	4.207%
1997 - Current	1.5%	8.84%	10.84%	3.5%

For information regarding California tax rates for taxable years prior to January 1, 1989, call 1.800.852.5711 to speak to a California Franchise Tax Customer Service Representative.

State Individual Income Tax Percentages and the Rate of Inflation:

The rate of inflation in California, for the period from July 1, 2015, through June 30, 2016, was 2.1%. The 2016 personal income tax brackets are indexed by this amount.

- The maximum rate for individuals is 12.3%
- The AMT rate for individuals is 7%
- The Mental Health Services Tax Rate is 1% for taxable income in excess of \$1,000,000.

2016 California Tax Rate Schedules

Schedule X — Single or married/RDP filing separately

If the taxable income is					
Over	But not over	Tax is			Of amount over
0	\$8,015	\$0.00	plus	1.00%	\$0
\$8,015	\$19,001	\$80.15	plus	2.00%	\$8,015
\$19,001	\$29,989	\$299.87	plus	4.00%	\$19,001
\$29,989	\$41,629	\$739.39	plus	6.00%	\$29,989
\$41,629	\$52,612	\$1,437.79	plus	8.00%	\$41,629
\$52,612	\$268,750	\$2,316.43	plus	9.30%	\$52,612
\$268,750	\$322,499	\$22,417.26	plus	10.30%	\$268,750
\$322,499	\$537,498	\$27,953.41	plus	11.30%	\$322,499
\$537,498	AND OVER	\$52,248.30	plus	12.30%	\$537,498

Schedule Z — Head of household

If the taxable income is					
Over	But not over	Tax is			Of amount over
\$0	\$16,040	\$0.00	plus	1.00%	\$0
\$16,040	\$38,003	\$160.40	plus	2.00%	\$16,040
\$38,003	\$48,990	\$599.66	plus	4.00%	\$38,003
\$48,990	\$60,630	\$1,039.14	plus	6.00%	\$48,990
\$60,630	\$71,615	\$1,737.54	plus	8.00%	\$60,630
\$71,615	\$365,499	\$2,616.34	plus	9.30%	\$71,615
\$365,499	\$438,599	\$29,947.55	plus	10.30%	\$365,499
\$438,599	\$730,997	\$37,476.85	plus	11.30%	\$438,599
\$730,997	AND OVER	\$70,517.82	plus	12.30%	\$730,997

If the taxable income is					
Over	But not over	Tax is			Of amount over
\$0	\$16,030	\$0.00	plus	1.00%	\$0
\$16,030	\$38,002	\$160.30	plus	2.00%	\$16,030
\$38,002	\$59,978	\$599.74	plus	4.00%	\$38,002
\$59,978	\$83,258	\$1,478.78	plus	6.00%	\$59,978
\$83,258	\$105,224	\$2,875.58	plus	8.00%	\$83,258
\$105,224	\$537,500	\$4,632.86	plus	9.30%	\$105,224

\$537,500	\$644,998	\$44,834.53	plus	10.30%	\$537,500
\$644,998	\$1,074,996	\$55,906.82	plus	11.30%	\$644,998
\$1,074,996	AND OVER	\$104,496.59	plus	12.30%	\$1,074,996

Schedule Y - Married/RDP filing jointly, or qualifying widow(er) w/ dependent child

State Level Sales Tax %: 7.5 percent

State Use Tax: Use the list found at <https://www.boe.ca.gov/app/rates.aspx> to find the sales and use tax rate applicable to the place in California where the item is used, stored, or otherwise consumed. Apply it to the total purchase price. For personal purchases, this is usually your home address. Include handling charges.

Unemployment Insurance Tax % (estimate): 4.8 percent

Additional Relevant Taxes: N/A

Workers' Compensation Employer Insurance Costs per \$100 of Payroll (2016): \$1.50

Average Industrial Electric Rate (2016): \$6.90 as reported by U.S. Energy Information Administration

Average Price of Natural Gas Delivered to Industrial Consumers (2016): \$8.58

Average Hourly Earnings of Production Workers in manufacturing (2015): \$12.21 as reported by U.S. BLS

Minimum Wage (current): \$10.00 per hour – Employers with 25 less employees

\$10.50 per hour - Employers with 25 or more employees

Pending Legislation Regarding Minimum Wage: No

If you answered YES to the above question, What is the proposed minimum wage? N/A

If you answered YES to the above question, What is the legislative bill number? N/A

California Minimum Wage Rate Schedule (2017-2023)

Date	Minimum Wage for Employers with 25 Employees or Less	Minimum Wage for Employers with 26 Employees or More
January 1, 2017	\$10.00/hour	\$10.50/hour
January 1, 2018	\$10.50/hour	\$11.00/hour
January 1, 2019	\$11.00/hour	\$12.00/hour
January 1, 2020	\$12.00/hour	\$13.00/hour
January 1, 2021	\$13.00/hour	\$14.00/hour
January 1, 2022	\$14.00/hour	\$15.00/hour
January 1, 2023	\$15.00/hour	-

ENTREPRENEURSHIP AND INNOVATION

This section underscores the successes of the state in terms of business innovation through awards, venture capital, and intellectual property attainment.

Source: US Bureau of Labor Statistics, California Business Investment Guide 2017

Total Small Business Innovation Research (SBIR) Awards Found at https://www.sbir.gov/reports/state-summary?year=2016&program_tid=105791: 639 awards \$281,612,317.00 in 2016

Total Small Business Technology Transfer (STTR) Awards Found at https://www.sbir.gov/reports/state-summary?year=2016&program_tid=105792: 85 awards \$36,366,344.00 in 2016

Total Value of SBIR and STTR Awards (2016): \$318,178,661.00

Venture Capital Deals, in millions (2013-15): \$ 33.67 billion in 2015

% of State with Internet Accessibility: 100% with 84% high-speed access

Newly Registered Businesses: 5,500,000 in 2014

Newly Registered Patents: 40,200 in 2015

FISCAL STRENGTH

Source: California State Controller's Office

General Obligation Bond Ratings: Fitch = AA- (Aug 16)
Moody = Aa3 (Jun 14)
S&Ps = AA- (July 15)

Fitch Ratings raised the State's general obligation (GO) rating to 'AA-' from 'A+.' Fitch announced that the upgrade reflected a combination of positive credit developments for the State, including Fitch's revised criteria for U.S. state and local governments released in April 2016. In addition, Fitch specifically stated, "California is fundamentally better positioned to withstand a future economic downturn than has been the case in prior recessions due to numerous institutional improvements."

State and Local Long Term Debt per Capita (2016): State Debt (in billions): \$172.3
Local Debt (in billions): \$276.4

Total State Debt per Capita (2016): Total Debt (in billions) - \$448.6

FOREIGN DIRECT INVESTMENT

This section provides insight into the amount of current investment overseas and the potential state market for manufacturers to reshore.

Source: California Business Investment Guide 2017

Foreign Direct Announcements: Companies interested in this information should contact:

Jason Law, Special Advisor for International Business Relations
California Governor's Office of Business and Economic Development (GO-Biz)
(916)322-0761
Jason.law@gov.ca.gov

Foreign Direct Employment (2015):

- Approximately 665,000 jobs in California supported by foreign owned enterprises
- By U.S. state, the largest numbers of employees were in California and Arizona.

Foreign Direct Investment, in millions (2015): 119,019 million

- California attracted the most investments of all the states—28 percent of the U.S. total. This was a 30% increase from 2014. (2015 BEA figures)

TRANSPORTATION AND INFRASTRUCTURE

This section sheds light on the basic infrastructure of the state and what a company can expect in terms of the logistics of shipping their product.

Source: California Department of Transportation

Number of major 2 or 4-Lane Highways running through state: 265 State Highways in 2016

Number of major railways going through state: California currently has two Class I Railroads and two Short-Line Railroads.

Class I Railroads

- BNSF Railway
- Union Pacific

Short-Line Railroads

- American Short Line and Regional Railroad Association
- California Short Line Railroad Association

Number of major ports connected to state: California has 11 public ports, which include 3 “mega ports” (Los Angeles, Long Beach, and Oakland); 8 smaller niche ports (Hueneme, Humboldt Bay, Redwood City, Richmond, West Sacramento, San Diego, San Francisco, and Stockton); and 1 private port (Benicia). The ports of Oakland, Stockton, and West Sacramento are developing a new barge shipping service funded through a federal TIGER grant.

Number of airports throughout state: 218 General Aviation (GA) and 26 Commercial Service

Number of International airports throughout state: 12

Number of distribution centers: There are over 1,000 individual distribution centers located throughout California

Number of foreign trade zones: 17 as reported by US Trade Enforcement and Compliance

INCENTIVES

Different states offer different incentives to entice companies to move to their state. This section will allow you to highlight these incentives.

Sources: California Business Investment Guide 2017, www.ibank.ca.gov

Pending Legislation

Proposed Incentives Currently Pending Approval (Y/N): No

Cash Incentives

Does the state provide any CASH incentives? (Y/N): No *If you answered YES above, please provide details of this incentive including the contact information and website if applicable:*

State Tax Credits

Does the state provide any Tax Credit incentives? (Y/N): Yes *If you answered YES above, please describe the available tax credits:*

California Competes Tax Credit

The California Competes Tax Credit (CCTC) is a competitive, nonrefundable, performance based, corporate income tax credit awarded to companies that provide economic benefits to the state through the creation of new jobs and new capital investments. Competitiveness is based on a quantitative and qualitative analysis of individual applications submitted during a particular application period.

Applications are first ranked quantitatively based on a cost benefit ratio determined by the amount of credit requested (numerator) divided by the aggregate new employee compensation and capital investment (denominator) over a five year period. Round two applicants that present competitive cost to benefit ratios are then evaluated by eleven quantitative and qualitative variables.

Awards are competitive and subject to availability. Companies are required to execute a negotiated agreement with GO-Biz that include minimum employee compensation and retention period, credit distribution period and recapture provisions. The Director of GO-Biz specifies application rounds each fiscal year when applicants must use the online portal application to apply. During fiscal years 2016-2018, the amount one company can request in tax credits must be at least \$20,000.00 but no more than \$40,000,000. The regulations, guidelines and the past credit awards are posted at <http://www.business.ca.gov/Programs/CaliforniaCompetesTaxCredit.aspx>

Fiscal year 2017-18 California Competes Tax Credit application rounds:

- July 24, 2017 - August 21, 2017
- January 2, 2018 - January 22, 2018
- March 5, 2018 through March, 26, 2018

Please contact (916) 322-4051 or email cacompetes@gov.ca.gov if you would like more information.

California Film & Television Tax Credit Program

The California Film Commission offers a tax credit program to qualified motion pictures. \$330 million in tax credits are available annually beginning on July 1, 2015 through June 30, 2020. The program allows a 20% tax credit for qualified production related expenses to a taxpayer against state income taxes due to the Franchise Tax Board. The program offers a special 5% additional tax credit bonus for those TV series that return from out-of-state. A qualified taxpayer may, in lieu of claiming the credit, apply the credit amount against sales and use taxes.

For more information, please visit: <http://www.film.ca.gov/Incentives.htm>

New Employment Credit

The New Employment Credit (NEC) is available for each taxable year until January 1, 2021, to a qualified taxpayer hiring a qualified full-time employee, incurring qualified wages attributable to work performed by that employee in a designated census tract or economic development area, and that receives a tentative credit reservation for that employee.

The credit is based on 35% of wages of a qualified employee, capped at \$56,000 per employee, which is calculated from qualified wages between 1.5 and 3.5 times the minimum wage. Qualified companies must be located in areas based on census tracts with highest unemployment and poverty rates in the state as well as LAMBRAS and former enterprise zone boundaries (with some exclusions).

Website: https://www.ftb.ca.gov/online/New_Employment_Credit_Reservation/FAQs.shtml

Contact: (916) 845-3464 Mon-Fri, 8am to 5pm except state holidays

Email: GEDI@ftb.ca.gov

Research & Development Tax Credit

The California Research & Development (R&D) tax credit program reduces state income tax due to the Franchise Tax Board. A business may qualify for the credit if it paid for or incurred qualified research expenses while conducting qualified research activity in California. A business may receive 15 percent of the excess of current year research expenditures over a computed base amount (minimum of 50 percent of current year research expenses) or a 24 percent credit for basic research payments to third party organizations. A business may claim the credit on its tax return for the taxable year it incurred the qualified expenses.

Qualified research expenses include wages, supplies, and contract research costs. To qualify, the research must be conducted within California and include basic or applied research of scientific inquiry, original investigation for the advancement of scientific or engineering knowledge or improved function of a business component. California has several exceptions to the federal law that can affect computations for the credit.

For more information, please visit: <https://www.ftb.ca.gov/businesses/credits/rd/>

State Tax Exemptions

Does the state provide any Tax Exemptions? (Y/N): Yes

If you answered YES above, Please describe the available tax exemptions:

Sales and Use Tax Exclusion (STE) Program

The California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA) offers a sales and use tax exclusion to manufacturers that promote alternative energy and advanced transportation. The STE program is authorized through 2020. Apply through CAEATFA's website at www.treasurer.ca.gov/caeatfa/ste/index.asp

Contact: Ellen Hildebrand at (916) 651-3757 or email at Ellen.Hildebrand@treasurer.ca.gov

Sales and Use Tax Exemption for Manufacturing

This program, administered by the Board of Equalization, provides a sales tax exemption of 3.9375% for basic manufacturing equipment. In addition, equipment for food processing, research and development, and biotechnology are also eligible for the exemption. Tenant improvements for manufacturing or research and development may also be eligible.

The partial exemption applies only to the state sales and use tax rate portion. The exemption does not apply to any local, city, county, or district taxes.

For more information, please visit: http://www.boe.ca.gov/sutax/manufacturing_exemptions.htm

Sales and Use Tax Exemption for Agriculture

This program, administered by the Board of Equalization, provides a sales tax exemption of 5.00% for the sale, storage, use, or other consumption of farm equipment, machinery and their parts to qualified persons for use in qualifying activities. The partial exemption may also apply to leases. The partial exemption applies only to the state sales and use tax rate portion. The exemption does not apply to any local, city, county, or district taxes.

For more information, please visit: <http://www.boe.ca.gov/sutax/exemptfem.htm>

State Grants

Does the state provide any Grant incentives? (Y/N): Yes

If you answered YES above, please describe the available grants:

Beverage Container Recycling Grants

CalRecycle addresses key recycling challenges, aids in increasing beverage container collection and reduces beverage container litter in the waste stream through the availability of grant funding to projects implementing

new, or enhance existing, programs providing convenient beverage container recycling opportunities in various locations statewide.

Eligible projects include bars and restaurants; colleges/universities/schools; community events; entertainment and hospitality venues; fitness centers; multifamily dwellings; office buildings; parks and recreational areas as well as sporting complexes and facilities.

For more information, please visit: <http://www.calrecycle.ca.gov/BevContainer/Grants/>

Carl Moyer Memorial Air Quality Standards Attainment Program

The Carl Moyer Memorial Air Quality Standards Attainment Program provides grant funding for cleaner-than-required engines and equipment. Local air quality management district's administer the grants. The Air Resources Board works collaboratively with the districts and other stakeholders to set guidelines and ensure the program reduces pollution as well as provides cleaner air for Californians. The program focuses on cleaning the air by replacing older heavy-duty diesels with electric, alternative-fuel, or cleaner diesel technologies.

For more information, please visit: <http://www.arb.ca.gov/msprog/moyer/moyer.htm>

Energy Innovations Small Grant Program

The Energy Innovations Small Grant (EISG) Program provides up to \$95,000 for hardware projects and \$50,000 for modeling projects to small businesses, non-profits, individuals and academic institutions to conduct research establishing the feasibility of new, innovative energy concepts. Research projects must target one of the specified R&D areas, address a California energy problem and provide a potential benefit to California electric and natural gas ratepayers.

To encourage participation in the program a streamlined application and award process was implemented and assistance in gaining access to technical experts is available.

For assistance or for more information, please visit: <http://www.energy.ca.gov/research/innovations/>

State Loans

Does the state provide any Low-Interest Financing incentives? (Y/N): Yes

If you answered YES above, please describe the available financing opportunities:

California Capital Access Program

The California Capital Access Program (CalCAP) encourages banks and other financial institutions to make loans to small businesses that have difficulty obtaining financing. Small business owners having difficulty in obtaining conventional financing may qualify for a CalCAP loan through any CalCAP lender.

CalCAP is a form of loan portfolio insurance that provides up to 100% coverage on certain loan defaults.

CalCAP insures loans made by participating lenders to eligible small businesses for eligible purposes.

There is no minimum loan amount, however, the maximum loan amount is \$5 million and the maximum enrolled amount is \$2.5 million. Borrowers are limited to a maximum \$2.5 million enrolled over a 3-year period.

Loan proceeds may be used for start-up costs, working capital, business procurement, equipment and inventory purchases, contract financing, franchise fees, business expansion, lines of credit, as well as real estate construction, renovation or tenant improvements of an eligible place of business.

Proceeds must be used for small businesses located in California employing no more than 500 employees. Borrowers must show repayment ability.

The participating lender sets all the terms and conditions of the loan (including premium levels, maturity dates, fixed or variable interest rates, secured or unsecured, amortization schedule, etc.) and determine which loans to enroll into the CalCAP program. The current list of participating lenders is posted at

<http://www.treasurer.ca.gov/cpcf/calcap/sb/institutions.pdf>

For more information, please visit: <http://www.treasurer.ca.gov/cpcf/calcap/index.asp>

CalCAP Collateral Support

CalCAP Collateral Support pledges cash to cover the collateral shortfall of a loan made by a participating lender in order to enable financing that otherwise might not be available to a small business. Small business owners having difficulty in obtaining conventional financing may qualify for a Collateral Support loan through any Collateral Support lender.

The Collateral Support Program provides up to 40% of the loan value, in the form of a cash deposit, with the possibility of an additional 10% for businesses located in a Severely Affected Community. The minimum loan amount is \$50,000, the maximum loan amount is \$20 million, and the maximum support amount is \$2.5 million per borrower.

The term of the collateral support is determined by the lender and will not exceed 4 years for any one loan.

Loan proceeds may be used for start-up costs, working capital, business procurement, equipment and inventory purchases, contract financing, franchise fees, business expansion, lines of credit, as well as real estate construction, renovation or tenant improvements of an eligible place of business.

Proceeds must be used for small businesses located in California and employing no more than 750 employees. Borrowers must show repayment ability. The current list of participating lenders is posted at

<http://treasurer.ca.gov/cpcf/calcap/collateral/institutions.pdf>

For more information, please visit: <http://www.treasurer.ca.gov/cpcf/calcap/collateral/index.asp>

The California Infrastructure and Economic Development Bank (IBank)

The California Infrastructure and Economic Development Bank (IBank) was created in 1994 to promote a healthy climate for jobs, contribute to a strong economy and improve the quality of life in California communities through financing of public infrastructure and private development. In 2013, IBank, along with the California Film Commission, and the California Commission of Travel and Tourism became part of the newly established Governor's Office of Business and Economic Development (GO-Biz)

IBank has broad authority to issue tax-exempt and taxable revenue bonds, provide financing to public agencies, acquire or lease facilities, provide credit enhancements, and leverage State and Federal funds. IBank is the State's only general-purpose financing authority and operates pursuant to the Bergeson-Peace Infrastructure and Economic Development Bank Act¹.

Governed by a five-person Board of the Directors, IBank, through its combined programs has provided over \$38 billion dollars in financing and has created or retained more than 100 thousand jobs in communities throughout the state. It is California's largest government agency green bond issuer dispensing more than \$860 million in Green Bonds, providing financial assistance to local agencies under the State Water Resources Control Board Clean Water State Revolving Fund Program. Currently IBank administers four financing programs, the Bond Financing Program, the California Lending for Energy and Environmental Needs (CLEEN) Center, the Infrastructure State Revolving Fund (ISRF) Loan Program, and the Small Business Finance Center (SBFC).

Bond Financing Programs

The California IBank, among other government agencies has the authority to issue and sell municipal bonds to finance a variety of projects and activities. When investors purchase bonds, they essentially lend money to the bond seller, or issuer. In this way, a bond is similar to a loan. In return for the bond proceeds, the issuer promises to pay the investor a specified rate of interest over the life of the bond and to repay the bond when it comes due. As a conduit issuer, IBank issues bonds on behalf of a borrower and then lends those proceeds to that borrower. The borrower provides security to the bondholder and agrees to repay the bonds.

Currently the IBank Bond Program offers four tax-exempt or taxable conduit revenue bond financing options.

¹ California Government Code Sections 63000 et seq

- **501(c)(3) Bond Financing**

Low-cost, tax-exempt financing to nonprofit public benefit corporations for acquisitions and/or improvements of facilities and capital assets. The corporation must have received a letter from the Internal Revenue Service stating that it qualifies under Section 501(c)(3) of the Internal Revenue Code. More information can be found at <http://www.ibank.ca.gov/ibank/programs/what-are-501-c-3-bonds>

- **Industrial Development Bonds**

Tax-exempt financing up to \$10 million dollars for qualified manufacturing and processing companies to construct or acquire facilities and equipment. More information is at <http://www.ibank.ca.gov/ibank/Programs/What-are-Industrial-Development-Bonds>

- **Public Agency Revenue Bonds (PARBS)**

Financing used to expand unique programs for specific State and local government agencies. More information is found at <http://www.ibank.ca.gov/ibank/programs/what-is-a-public-agency-revenue-bond>

- **Exempt Facility Bonds**

Tax-exempt financing for projects for government-owned facilities or private improvements to publicly-owned facilities that provide services to the general public. More information is found at <http://www.ibank.ca.gov/ibank/programs/what-is-a-public-agency-revenue-bond>

Some of the most recent bond financing issued is found at <http://www.ibank.ca.gov/Portals/1/Bonds/Bond-Profiles-12-16-16.pdf?ver=2016-12-16-230316-543>

The Infrastructure State Revolving Fund Program

The IBank Infrastructure State Revolving Fund (ISRF or “Eye-Surf”) Program was created to address a vital public need for an accessible, low-cost financing option. Eligible borrowers such as public agencies and the non-profit corporations they sponsor can receive financing for an expansive variety of infrastructure and economic development projects (excluding housing). ISRF Program funding is available in amounts ranging from \$50,000 to \$25 million, with loan terms for the useful life of the project up to a maximum of 30 years. The interest rate is individualized and is set at the time the financing is approved.

To leverage the assets within the ISRF Program, the IBank, can also offer financing through issuance of Infrastructure State Revolving Fund Revenue Bonds “ISRF Program Bonds” which are secured by ISRF Program financings and other program assets.

Applications for ISRF Financing are accepted on a continuous basis. For more information, visit: <http://www.ibank.ca.gov/ibank/programs/isrf>

California Lending for Energy and Environmental Needs Center (CLEEN)

Assembly Bill 32 (AB32), known as the California Global Warming Solutions Act affirmed California’s support for climate change mitigation. Passed by Legislature in 2006, AB32 established the nation’s first comprehensive plan with a long-term goal to reduce statewide greenhouse gas (GHG) emissions down to 1990 levels by 2020, and to 80% below 1990 levels by 2015.

In September 2014, the IBank Board of Directors unanimously approved Resolution No 14-14 authorizing IBank to create the Clean Energy Finance Center to administer the new Statewide Energy Efficiency Program (SWEET). Soon after Governor Edmund G. Brown Jr. issued an Executive Order, which created a provisional GHG Reduction Goals, to reduce statewide emissions to 40 percent below 1990 levels by 2030. To ensure the state meets the 2050 goal and in support of the Governor’s interim plan to provide practical and sustainable solutions via leveraged, risk-adjusted financial assistance for public clean energy projects, and for private commercial and industrial building retrofits throughout California, IBank created the Clean Energy Finance Center later named the California Lending for Energy and Environmental Needs Center or CLEEN Center.

The CLEEN Center provides direct public financing to Municipalities, Universities, Schools and Hospitals (MUSH) borrowers, and includes two financing programs, the Statewide Energy Efficiency Program (SWEEP) and the Light Emitting Diode Street Lighting Program (LED). CLEEN financing helps reduce the production of greenhouse gas, conserves water, and supports the preservation of the environment. Financing can be issued to borrowers through a direct loan in amounts from \$500 thousand to \$30 million.

Find more information about the California CLEEN Center at <http://www.ibank.ca.gov/ibank/programs/what-is-clean>

California Statewide Energy Efficiency Program (SWEEP)

A CLEEN Center Program for small, medium and large-scale energy efficiency upgrades and projects for California's public MUSH borrowers. SWEEP Projects include comprehensive efficiency improvements to new and existing facilities that save energy.

- Advanced metering systems to support conversion of master-meter buildings to sub-metering
- Data center, information technology, communications energy efficiency
- Energy management and/or control systems, including continuous commissioning
- Demand response programs
- Water conservation, wastewater management, pipeline, mining/extraction and similar end-use processes, facilities, buildings, and infrastructure
- Lighting and control systems
- Heating, ventilation and air conditioning systems (HVAC)
- Building envelope improvements
- Occupant plug load management systems
- Other electrical load reduction
- Thermal and electric energy storage

Light Emitting Diode Street Lighting Program (LED)

The CLEEN Center's LED Program offers energy efficiency strategies for the State through financing for the installation of LED street lights for public Municipalities, Universities, Schools and Hospitals (MUSH) borrowers. "LED" street light projects are deemed SWEEP Projects for purposes of the CLEEN Criteria. IBank encourages and may require LED Program borrowers to create:

- A policy of savings reinvestment and creation of a savings fund where the annual savings from the LED project are deposited into an account as security for the LED financing (Energy Savings Account).
- An Energy Savings Account used to pay off debt incurred for LED project and to fund other energy savings initiatives the MUSH may have.
- Covenants to leave the operations budget line item for street lights unchanged during the term of the SWEEP LED financing so as to ensure savings capture.
- An operations and maintenance plan with a credit worthy party/parties.

IBank will require investment-grade, commercially proven technology and may require that equipment selected comply with street light technology guidelines adopted by the California Lighting Technology Center at UC Davis, the Illuminating Engineering Society (IES) and/or various California utilities. IBank will require commercially reasonable equipment and labor warranties on all lighting projects and will require that installers demonstrate the ability to fulfill warranty obligations.

For more information about the IBank CLEEN Center and the SWEEP and LED Programs, please visit:

<http://www.ibank.ca.gov/ibank/programs/what-is-clean> or email LoanProgram@ibank.ca.gov

California Small Business Finance Center (SBFC)

The California Small Business Finance Center (SBFC) helps small business throughout the state create and retain jobs by providing access to capital. The SBFC currently administers the Farm Loan Program, the Jump Start Loan Program, and the Small Business Loan Guarantee Program (SBLGP).

Farm Loan Program

The Farm Loan Program supports direct loans to small farms through participating Financial Development Corporations (FDCs). Loans are 90% guaranteed by the U.S. Department of Agriculture, Farm Serviced Agency (FSA).

Qualifying farm owners may apply for a loan or get additional information by contacting one of the following Financial Development Corporations (FDCs):

- California Coastal Rural Development Corporation - <http://www.calcoastal.org/>
- Valley Small Business Development Corporation - <http://www.vsbdc.com/>

Jump Start Microloan Program

The Jump Start Loan Program (Jump Start) offers support by financing small business in California's low-wealth communities. The program provides microloans to low-wealth entrepreneurs and includes access to technical assistance and financial literacy training so businesses can start, grow, and thrive. Eligible applicants can apply for a Jump Start loan or get additional information by contacting one of the Jump Start Financial Development Corporations (FDCs).

- California Capital Financial Development Corporation - <http://cacapital.org/>
- California Coastal Rural Development Corporation - <http://www.calcoastal.org/>
- Nor-Cal Financial Development Corporation - <http://nor-calfdc.org/>
- Pacific Coast Regional Small Business Development Corporation - <http://www.prcorp.org/>
- Valley Small Business Development Corporation - <http://www.vsbdc.com/>

Small Business Loan Guarantee Program

The California Small Business Loan Guarantee Program (SBLGP) partners with eligible lenders and issues loan guarantees to finance small businesses that experience capital access barriers.

Loans can be as small as \$5000 and up to \$20 million with a maximum guarantee of 80% with a maximum guarantee of \$2.5 million. Eligible small businesses located in California that employ no more than 750 employees can be used for:

- Start-up Costs
- Working capital
- Business procurement
- Equipment and inventory purchases
- Contract financing
- Franchise fees
- Business expansion
- Lines of credit
- Real estate construction, renovation or tenant improvements of an eligible place of business

Qualifying business owners can apply for a guarantee or get additional information by contacting any of the seven Financial Development Corporations (FDCs) located throughout California listed on the IBank website at

<http://ibank.ca.gov/smallbusiness.htm>

State Energy and Environment Programs

Alternative and Renewable Fuel and Vehicle Technology Program

Demonstrating California's leadership in the national push to reduce dependency on petroleum and greenhouse gas emissions while improving energy security, the Alternative and Renewable Fuel and Vehicle Technology Program (also known as "AB 118") provides financial incentives (as much as \$100 million annually through competitive grants, loans, loan guarantees, revolving loans, and other appropriate measures or means) for businesses, vehicle and technology manufacturers, workforce training partners, fleet owners, consumers and academic institutions. These incentives are to develop and deploy alternative and renewable fuels as well as advanced transportation technologies that meet the state's policy objectives on climate change.

For more information, please visit: <http://www.energy.ca.gov/drive/index.html>

Air Quality Improvement Program Clean Rebate Project

The Air Quality Improvement Program Clean Rebate Project is intended to encourage and accelerate zero emission vehicle deployment and technology innovation. Rebates range from \$900 for zero emission motorcycles and neighborhood electric vehicles to \$1,500 for plug-in hybrid electric vehicles and \$2,500 for full function zero emission vehicles. There is a maximum cap of 20 per applicant. This program is a component of the AB118 program.

For more information, please visit: <http://www.arb.ca.gov/msprog/aqip/aqip.htm>

Brownfields Revolving Loan Fund Program

The Brownfields Revolving Loan Fund Program provides low-interest rate loans between \$200,000 and \$900,000 for financing cleanup activities of sites by eligible public or private property owners including government agencies, private property owners as well as non-profit organizations. Up to \$200,000 in sub-grants can also be awarded to government agencies and non-profit organizations.

For more information, please visit: http://www.dtsc.ca.gov/SiteCleanup/Brownfields/Loans_Grants.cfm

Cleanup Loans and Environmental Assistance to Neighborhoods Loan Program

This Program provides low-interest rate loans to finance environmental assessments and hazardous waste cleanup activities of designated Brownfields and underutilized urban properties. The program provides up to \$100,000 for preliminary endangerment assessments and up to \$2.5 million for clean up or removal of hazardous waste for redevelopment.

For more information, please visit: www.dtsc.ca.gov/SiteCleanup/Brownfields/upload/CLEANProgram.Pdf

Electric Program Investment Charge

The Electric Program Investment Charge (EPIC) program (previously called the Public Interest Energy Research program), is the state's premier energy research, development, and deployment program for the advancement of science and technology in the fields of energy efficiency, renewable energy, advanced electricity technologies, energy-related environmental protection, transmission and distribution as well as transportation technologies. Over the last 10 years, EPIC has invested over \$700 million to assist utilities and energy companies in the development and deployment of technologies that provide environmental and economic benefits to California's energy ratepayers.

For more information, please visit: <http://www.energy.ca.gov/research/epic/>

Hybrid and Zero Emission Truck and Bus Voucher Incentive Project

The Hybrid Truck and Bus Voucher Incentive Project (HVIP), is designed to accelerate California's deployment of new hybrid and zero-emission trucks and buses. The program has \$18 million in funds as of October 2012. Air Resources Board (ARB) has teamed with CALSTART to implement this streamlined, first-come; first-serve program.¹ The HVIP Implementation Manual defines the roles and responsibilities of ARB, CALSTART, vehicle

dealers and vehicle purchasers in project implementation. ARB must approve hybrid truck and bus models for them to become eligible for the program. This program is a component of the AB118 program.

For more information, please visit: <http://www.californiahvip.org/>

Pollution Control Financing

The California Pollution Control Financing Authority (CPCFA) provides tax-exempt bond financing for pollution control projects. The Tax-Exempt Bond Financing Program provides California businesses assistance with acquisition or construction of qualified pollution control, waste disposal, waste recovery facilities, and the acquisition and installation of new equipment.

As a “conduit issuer” of tax-exempt private activity bonds, CPCFA is able to facilitate low cost financing to qualified waste and recycling projects. Projects that control pollution may qualify for tax-exempt financing as allowed by federal tax law. Examples of recent assistance include projects to purchase clean-air vehicles by waste companies, recyclers of used oil, animal waste conversions to clean burning fuel, and construction and demolition debris recycling programs.

CPCFA collaborates with participating financial institutions to assist small business with loans of up to \$2.5 million.

For more information, please visit: <http://www.treasurer.ca.gov/cpcfa/>

Providing Loan Assistance for California Equipment Program

The California Air Resources Board has developed innovative financing programs to provide fleet owners, particularly small business owners, easier access to loan opportunities. The ARB's loan programs offer several options to increase financing accessibility including loans, loan guarantees and other mechanisms to assist industries affected by ARB regulations.

- The Providing Loan Assistance for California Equipment (PLACE) Program for Off-Road Vehicles is a loan guarantee program available for off-road vehicle owners requiring assistance for financing retrofits, repowers and replacements.
- The PLACE Program for On-Road Vehicles (formerly On-Road Heavy-Duty Vehicle Air Quality Loan
 - Program) offers financial assistance to fleet owners subject to two regulations approved by the Board in
 - December 2008.
- The Goods Movement Emissions Reduction Program may offer loan assistance to upgrade equipment used in freight movement along California's trade corridors.

For more information, please visit: <http://www.arb.ca.gov/ba/loan/loan.htm>

Recycling Market Development Zones Revolving Loan Program

The Department of Resources Recycling and Recovery (CalRecycle) administers a Recycling Market

Development Zone (RMDZ) Loan Program to encourage California-based recycling businesses located within California to locate new manufacturing facilities as well as expand existing operations. The program provides low-interest rate loans for the purchase of equipment and relevant business expenses. The intent of the program is to assist California manufacturers increase their processing capabilities and create additional markets for recycled-content products. The maximum loan amount is \$2 million for each project.

For more information, please visit: <http://calrecycle.ca.gov/RMDZ/Loans/>

Self-Generation Incentive Program

In response to an energy crisis in 2001, California established the Self-Generation Incentive Program (SGIP) as a peak-load reduction program that incentivizes the development and commercialization of new, existing and emerging distributed energy resources by providing rebates for qualified distributed energy systems installed on the customer's side of the utility meter.

In 2009, the program was enhanced to identify and encourage distributed energy resources that contribute to greenhouse gas reduction goals. Eligibility for participation in the SGIP is now based on greenhouse gas emissions reductions. Eligible technologies include wind turbines, fuel cells, organic rankine cycle/waste heat capture, pressure reduction turbines, advanced energy storage, and combined heat and power gas turbines, micro-turbines, and internal combustion engines. The program no longer supports solar photovoltaic technologies – these were moved under the purview of the California Solar Initiative in 2006. Participants receive up-front and performance-based incentives. The incentives apply only to the portion of the generation that serves a project's on-site electric load.

With 544 completed projects generating over 252 megawatts, the SGIP is one of the longest-running and most successful distributed generation incentive programs in the country. In 2011 alone, these facilities provided over 760,000 MWh of electricity to California.

For more information, please visit: <http://www.cpuc.ca.gov/General.aspx?id=5935>

The California Solar Initiative (CSI)

California is striving to create megawatts of new solar-generated electricity, moving the state towards a clean energy future. The California Solar Initiative offers cash back for installing solar on your home or business. Join the thousands of business owners who have earned cash back rebates by installing solar energy systems through the California Solar Initiative. Customers earn cash rebates for every watt of solar energy installed on homes, businesses, and farms

Website: <http://www.gosolarcalifornia.ca.gov/csi/index.php>, schools, and government and non-profit organizations.

CEC Renewables Call Center

Renewable@energy.ca.gov

1-844-421-6229 (Toll Free in CA)

1-916-653-0237 (Outside California)

Fax: 1-916-654-4421

Mailing Address:

California Energy Commission
New Solar Homes Partnership Program
1516 9th Street, MS 45
Sacramento, CA 95814

Tire Equipment Loan Program

The Tire Equipment Loan Program provides low-interest rate loans to assist tire recycling manufacturers in California increase their processing capability and create additional markets for pre-derived recycled content products.

For more information, please visit: <http://calrecycle.ca.gov/Tires/Loans/Equipment>

Training Programs

Does the state provide any Specialized Training Program incentives? (Y/N): Yes

If you answered YES above, please describe the available training programs:

Joint Venture Program

The Joint Venture Program (JVP) provides vocational training opportunities to inmates within California's correctional settings and it offers businesses attractive benefits for employing them. The individuals gain enhanced job skills, which allow them to return more successfully to the community as productive citizens after serving their time. A very successful correctional rehabilitation program, the JVP has a recidivism rate of 9%.

The JVP is available to businesses that are planning to expand, open a new enterprise or division, returning from offshore or relocating to California from another state.

For more information, please visit: <http://jointventureprogram.ca.gov/>

Employment Training Panel

The Employment Training Panel (ETP) provides funding to employers to assist in upgrading the skills of their workers, ultimately leading to competitive wages and long-term jobs. The ETP was created in 1982 by the California State Legislature and is funded by California employers through a special payroll tax.

The ETP is a funding agency, not a training agency. Businesses determine their own training needs and how to provide training. ETP staff is available to assist in applying for funds and other aspects of participation.

ETP uses a pay-for-performance contract to provide a specific, fixed-fee cash reimbursement for the costs of employer-customized, job-specific skills training conducted by a company for new hires or existing employees. Common training topics include Business Skills, Computer Skills, Commercial Skills, Manufacturing Skills, Continuous Improvement, Hazardous Materials and OSHA 10/30, Management Skills and Literacy Skills.

The ETP reimbursement is based on the contract specified reimbursement rate and the number of training hours delivered and tracked. The rate is inclusive of all administration and training costs. Contracts are based on a two-year term. ETP funding is earned once the trainee completes a minimum number of ETP funded training hours and a post

training employment retention period earning a contract specific wage. ETP uses a web-based tracking system for tracking of training hours, invoicing and supporting the contract with free development and monitoring services.

For more information, please visit: <http://www.etp.ca.gov>

California's Veterans – CALVET

Returning veterans present a strategic hiring advantage that sets California apart. California is home to approximately 2 million veterans – more than any other state in the nation. Coupled with federal incentives (such as the **VOW to Hire Heroes Act**), employers can take advantage of a workforce that is already skilled in advanced military applications and given California's military significance, is arguably one of the most trained and educated to ever exit from military service.

For more information on working with California's veteran workforce, please visit: www.calvet.ca.gov

California's Workforce Investment Board

The Workforce Investment Act of 1998 (WIA) created a unique national workforce preparation and employment system designed to meet the needs of both career seekers and businesses. The California Workforce Investment Board (WIB) is aimed at serving the employment and training needs for companies and to sustain a skilled workforce so that businesses prosper. Services are predominantly provided through regional Workforce Investment Boards at One-Stop Career Centers, available at no cost.

One-Stop Career Centers follow a business services model that ensures the reliable delivery of services to businesses as well as the sharing of job listings and potential candidates throughout an entire countywide network. One-Stop Career Centers offer a range of human resource services including:

- Customized recruiting programs
- Job matching through skills assessments
- Interview facilities for conducting both one-on-one and group meetings
- Screening, testing and referral
- On-the-job and preemployment training
- Technical assistance for employee support and accommodations for employees with disabilities
- Information referral services for business incentives and business-to business referrals
- Free job postings both locally and online.

For more information, please visit: <http://www.cwib.ca.gov/>

List of Future Planned Manufacturing Training Programs *If known please include expected implementation date:*
N/A

Zoning

Does the state provide any Special Zoning incentives? (Y/N): No

If you answered YES above, please describe the available special zoning opportunities:

State Marketing and Promotions

Does the state provide any Marketing and Promotional incentives? (Y/N): No

If you answered YES above, please describe the available special marketing or promotional opportunities:

Innovation Centers

Does the state have Innovation Centers or Additional Resource available for companies? (Y/N): Yes

If you answered YES above, please describe the available innovation centers or additional resources:

California's Innovation Hub Program

California is home to the largest in-state innovation network in the country. Acknowledging the inherent opportunities available within the State to connect the emerging labor force with existing businesses and entrepreneurial start-up companies, GO-Biz is leading an initiative to prioritize the commercialization of innovation and technology as an economic development strategy through the California Innovation Hub (iHub) Program. Fifteen existing iHubs span the state from Redding to San Diego and cover some of California's most vibrant economic sectors from agriculture to life science and from clean technology to transportation.

The program was formed for the purposes of:

- Leveraging California's national and international market-share in human and investment capital as a global destination for leadership in innovation opportunities.
- Providing a platform for the transfer of ideas discovered in nationally recognized laboratories and universities to private industry for the enhancement of an existing product or the creation of a new start up enterprise.
- Providing an advantage to California firms through the introduction of new technologies, processes, research and development (R&D) solutions into its existing business practice.
- Providing conduit assistance for the interaction of existing government owned assets (federal and state), facilities and operations with venture-supported startup companies for the testing and evaluation of products in development; and
- Facilitating a linkage for the inducement of investment funding to an inventor towards the commercialization of concepts into products ensuring eventual production occurs within the California economy.

The GO-Biz Innovation and Entrepreneurship unit has established a wide range of collaborating partners with regional economic development authorities, local governments, private organizations, incubators, venture capital sources, and the higher education system to develop infrastructure and support for entrepreneurs to succeed in California. Many organizations are currently involved in assisting entrepreneurs within the state. Recently, GO-Biz released a request for three new hubs to enhance California's existing innovation infrastructure. The addition of these new hubs will enable California to focus on three historically strong economic sectors including healthcare, manufacturing and aerospace.

IHub Coordinators Contact Information

iHub	Contact Name	Phone
OCTANe iHub	JC Ruffalo	(949) 330-6568
ChicoStart iHub	Wendy Porter	(530) 892-1707
Central California iHub	Diane Howerton	(559) 241-6590
iHub San Diego	Greg McKee	(858) 964-1300
iGATE iHub	Brandon Cardwell	(925) 231-2333
LA iHub	Michael Swords	(213) 375-8980
Palm Springs iHub	Joe Wallace	(760) 323-8175
iDEA iHub	Dr. Bill Hogan	(661) 276 3174
Inland SoCal Link iHub	Rob Moran	(800) 984-1000
North Bay iHub	Michael Giotis	(707) 794-1240
San Francisco iHub	Dennis Conaghan	(415) 352-8819
San Jose/Silicon Valley Emerging Technology Innovation Hub	Chris Burton, Sr.	(408) 535-8178
iHub San Joaquin	Natalia Orfanos/David Nelson	(209) 954-8178
California Network for Manufacturing Innovation (CNMI) iHub	Jim Watson	(925) 273-3370
Sacramento iHub	Brandon Weber	(916) 585-4483

REGIONAL INFORMATION

Many states have "regions" that specialize in certain industries such as automotive in Detroit or high tech in Silicon Valley. This section is to help you highlight these regions. If the state doesn't have any special regions please skip this page. Please note that a "region" could be an area, county, city etc...

Region One

Name of Region (This can include nicknames such as Silicon Valley): Upstate California (Northern Coastal and Northern Inland), The North Far North

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website:

<http://nfnrc.org/home/cte-sectors/> and <http://www.visitcalifornia.com/region/discover-north-coast> and <http://www.visitcalifornia.com/region/discover-shasta-cascade>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto):

- Northern Coastal - Del Norte, Humboldt, Lake, Mendocino, and Trinity Counties
- Northern Inland (Shasta Cascade) - Butte, Colusa, Glenn, Lassen, Modoc, Plumas, Shasta, Sierra, Siskiyou, and Tehama Counties

What industry or industries are prominent in this region?

- High technology
- Food processing
- Medical equipment
- Software development
- Distribution
- Wood products
- Other niche manufacturing fields

Priority Industry Sectors that are of principal focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Agriculture, Water & Environmental Technologies
- Health
- Small Business

Emerging Industry Sectors that investment into training programs is in planning phase.

- Advanced Manufacturing
- Information & Communication Technologies (ICT)/ Digital Media

What are some unique aspects of this region? Could include information about transportation, education, weather etc...:

The Redwoods National Parks, home to the world's tallest living things, the Coastal Redwood, and Lassen Volcanic National Park, where the world's largest plug dome volcano, Mt. Lassen lives are both located in Upstate California. Almost half of the worlds Coastal Redwoods are located here.

Upstate California's coastal region is home to over half of California's vineyards where the farmers have been practicing sustainable winegrowing since the late 1950's and its inland region spawned the craft beer movement.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? (Y/N): Yes

If you answer YES to the question above, please list the contact information for the assistance:

California Business Investment Services (Cal-BIS)

Manufacturing companies in any of the 10 business sectors looking at California as a potential location are encouraged to contact the California Business Investment Services (Cal-BIS) unit at the Governor's Office of Economic Development (GO-Biz). This team of business development professionals provide confidential assistance in a broad range of research, consultation, and facilitation services, including customized site selection, present and emergent initiatives, regional market insight, and foreign investment potential.

Coordinating with regional and local agencies Cal-BIS experts link business with a variety of resources and programs in labor and workforce development, permitting requirements, technical assistance, and companies best options for financial assistance ranging from tax credits and exemptions to loan and grants offered locally and statewide.

You can contact a Cal-BIS specialist at 1 (877) 345-4633 or by going to <http://www.business.ca.gov/About-Us/Team#1573189-california-business-investment-services-calbis>

California Business Portal

You can use the **California Business Portal Mapping Tool** to help decide where to locate and to learn about business assistance programs, workforce development organizations, entrepreneurship support, and regulatory boundaries located across the state.

<http://california.maps.arcgis.com/apps/MapSeries/index.html?appid=f69828845dc94cbfbc380597792e177>

Doing What Matters for Jobs and the Economy

The Division of Workforce and Economic Development at the California Community Colleges Chancellor's Office provides a region contact list which includes contacts which can assist interested companies in site selection and provides details on special programs and any regional incentives.

Northern Coastal Regional Contact List -

<http://doingwhatmatters.cccco.edu/ResourceMap/NorthernCoastal.aspx>

Northern Inland Regional Contact List – <http://doingwhatmatters.cccco.edu/ResourceMap/NorthernInland.aspx>

Is there any extraordinary information that you would like to add about this region?

Lassen Volcanic National Park is the only place on Earth where all four types of volcano can be studied in one place.

Region Two

Name of Region (This can include nicknames such as Silicon Valley): Sacramento Region/ Greater Sacramento

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website: <https://www.selectsacramento.com/>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): El Dorado, Nevada, Placer, Sacramento, Sutter, Yolo and Yuba Counties

What industry or industries are prominent in this region?

- Trade
- Transportation and utilities
- Information
- Financial activities
- Professional and business services
- Education
- Health services
- Leisure and hospitality
- Agribusiness
- Government

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Agriculture, Water & Environmental Technologies
- Health
- Small Business

Emerging Industry Sectors that investment into training programs is in planning phase.

- Advanced Manufacturing
- Information & Communication Technologies (ICT)/ Digital Media

What are some unique aspects of this region? *Could include information about transportation, education, weather etc...:*

This region's rich infrastructure boasts expedient transportation on all fronts: an international airport, a deep-water port tapping into the San Francisco Bay, a trans-continental rail line, fast light rail commutes, and the crossroads of several major and interstate freeways. Several municipal utilities and wholesale gas prices capstone the region with stable utilities.

In Sacramento, the regions center and capital of California, businesses are centered largely around the Capitol Mall area, and the newly constructed, state of the art arena or in historic Old Town Sacramento, the renovated area along the Sacramento River that was a core hub during the Gold Rush. Granted the gold award for bike-friendliness by the League of American Bicyclists, Sacramento is also a great place to explore by bike or on foot, with wide designated bike lanes, and paved and shady trails along the American and Sacramento Rivers.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? (Y/N): Yes

If you answer YES to the question above, please list the contact information for the assistance:

California Business Investment Services (Cal-BIS)

Manufacturing companies in any of the 10 business sectors looking at California as a potential location are encouraged to contact the California Business Investment Services (Cal-BIS) unit at the Governor's Office of Economic Development (GO-Biz). This team of business development professionals provide confidential assistance in a broad range of research, consultation, and facilitation services, including customized site selection, present and emergent initiatives, regional market insight, and foreign investment potential.

Coordinating with regional and local agencies Cal-BIS experts link business with a variety of resources and programs in labor and workforce development, permitting requirements, technical assistance, and companies best options for financial assistance ranging from tax credits and exemptions to loan and grants offered locally and statewide.

You can contact a Cal-BIS specialist at 1 (877) 345-4633 or by going to <http://www.business.ca.gov/About-Us/Team#1573189-california-business-investment-services-calbis>

California Business Portal

You can use the [California Business Portal Mapping Tool](#) to help decide where to locate and to learn about business assistance programs, workforce development organizations, entrepreneurship support, and regulatory boundaries located across the state.

<http://california.maps.arcgis.com/apps/MapSeries/index.html?appid=f69828845dc94cbfbc380597792e177>

Doing What Matters for Jobs and the Economy

The Division of Workforce and Economic Development at the California Community Colleges Chancellor's Office provides a regional contact list which includes contacts which can assist interested companies in site selection and provides details on special programs and any regional incentives.

Greater Sacramento Regional Contact List -

<http://doingwhatmatters.cccco.edu/ResourceMap/GreaterSacramento.aspx>

Is there any extraordinary information that you would like to add about this region?

The Sacramento region contains 7,000-8,000 acres of boutique farms and 1.4 million acres of regional farmland and boasts a 23.7% Green View Index, 3rd highest in the world.

Region Three

Name of Region (This can include nicknames such as Silicon Valley): Bay Area (North Bay, East Bay, Silicon Valley and Mid-Peninsula)

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website:

<http://www.visitcalifornia.com/region/discover-san-francisco-bay-area> and <http://www.siliconvalley.com/>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto):

- North Bay - Marin, Napa, Sonoma and Solano Counties
- East Bay - Alameda and Contra Costa Counties
- Mid-Peninsula – San Francisco and San Mateo Counties
- Silicon Valley – Santa Clara County

What industry or industries are prominent in this region?

Renowned as the birthplace and worldwide center of high technology, the Bay Area Region successfully competes in the national and international markets in productivity and employment in knowledge-based industries.

- Computers and electronics
- Telecommunications
- Multimedia
- Movie/television production
- Bioscience
- Banking and finance
- Environmental technology
- Business services

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Agriculture, Water & Environmental Technologies (North Bay, East Bay)
- Retail Hospitality/Tourism 'Learn and Earn' (North Bay)
- Health (East Bay, Silicon Valley, Mid-Peninsula)
- Life Science/Biotech (East Bay)
- Small Business (North Bay)
- Information & Communication Technologies (ICT)/ Digital Media (Silicon Valley, Mid-Peninsula)
- Energy, Construction & Utilities (Mid-Peninsula)

Emerging Industry Sectors that investment into training programs is in planning phase.

- Advanced Manufacturing (North Bay, East Bay)
- Information & Communication Technologies (ICT)/ Digital Media (North Bay, East Bay)
- Advanced Transportation & Renewables (Silicon Valley)
- Energy, Construction & Utilities (Silicon Valley)
- Life Sciences/Biotech (Mid-Peninsula)
- Small Business (Mid-Peninsula)

What are some unique aspects of this region? Could include information about transportation, education, weather etc...:

The Bay Area has three metropolitan centers: San Francisco, a financial and cultural powerhouse, San Jose, in the center of the Silicon Valley - the high technology center of the world, and Oakland, a major manufacturing and distribution center. The Napa Valley continues its exponential growth in the winemaking industry.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? (Y/N): Yes

If you answer YES to the question above, please list the contact information for the assistance:

California Business Investment Services (Cal-BIS)

Manufacturing companies in any of the 10 business sectors looking at California as a potential location are encouraged to contact the California Business Investment Services (Cal-BIS) unit at the Governor's Office of Economic Development (GO-Biz). This team of business development professionals provide confidential assistance in a broad range of research, consultation, and facilitation services, including customized site selection, present and emergent initiatives, regional market insight, and foreign investment potential.

Coordinating with regional and local agencies Cal-BIS experts link business with a variety of resources and programs in labor and workforce development, permitting requirements, technical assistance, and companies best options for financial assistance ranging from tax credits and exemptions to loan and grants offered locally and statewide.

You can contact a Cal-BIS specialist at 1 (877) 345-4633 or by going to <http://www.business.ca.gov/About-Us/Team#1573189-california-business-investment-services-calbis>

California Business Portal

You can use the [California Business Portal Mapping Tool](#) to help decide where to locate and to learn about business assistance programs, workforce development organizations, entrepreneurship support, and regulatory boundaries located across the state.

<http://california.maps.arcgis.com/apps/MapSeries/index.html?appid=f69828845dc94cbfbc380597792e177>

Doing What Matters for Jobs and the Economy

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North Bay Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/NorthBay.aspx>

East Bay Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/EastBay.aspx>

Silicon Valley Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/SiliconValley.aspx>

Mid-Peninsula Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/MidPeninsula.aspx>

Is there any extraordinary information that you would like to add about this region?

What about this region is not extraordinary? Each of the sub regions could be classified as a separate region. Silicon Valley, the birthplace of the microchip, is known worldwide for being at the center of electronic innovation and the emerging Advanced Transportation industry which has recently been developing could make Silicon Valley better known for its self-driven green automobiles than electronics.

Region Four

Name of Region (This can include nicknames such as Silicon Valley): Central Valley

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website:

<http://crconsortium.com/> and <http://www.visitcalifornia.com/region/discover-central-valley>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare Counties

What industry or industries are prominent in this region?

Home to the world's most productive agricultural region, the area lends itself particularly well to the needs of the food processing.

- Chain and logistics industries through a diverse range of agricultural products and support services.
- Plastic products manufacturing
- Advanced materials manufacturing,
- Software, and hardware development jobs

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Advanced Manufacturing
- Agriculture, Water and Environmental
- Health

Emerging Industry Sectors that investment into training programs is in planning phase.

- Energy, Construction & Utilities
- Global Trade & Logistics

What are some unique aspects of this region? Could include information about transportation, education, weather etc.:

Sustained population growth provides a large workforce available at some of the most competitive wages in California. An integral part of California's transportation infrastructure, the state's two major north-south highways extend the length of the Central Valley.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? (Y/N): Yes

If you answer YES to the question above, please list the contact information for the assistance:

California Business Investment Services (Cal-BIS)

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Doing What Matters for Jobs and the Economy

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Central Valley Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/Central.aspx>

Is there any extraordinary information that you would like to add about this region?

Lake Berryessa, located just outside of the city of Winters, has a sunken city underneath it called Monticello

Region Five

Name of Region (This can include nicknames such as Silicon Valley): Central Sierra/High Sierras/Motherlode

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website?

<http://crconsortium.com/> and <http://www.visitcalifornia.com/region/discover-high-sierra>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, and Tuolumne Counties

What industry or industries are prominent in this region?

The terrain and soils of the Central Sierra provide excellent opportunities for both traditional and specialty agribusiness operations. Spurred by widespread advanced fiber optics in many areas, information and communication industries are prime for development.

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Information & Communication Technology(ICT)/Digital Media
- Retail/Hospitality/Tourism 'Learn and Earn'
- Small Business

Emerging Industry Sectors that investment into training programs is in planning phase.

- Advanced Manufacturing
- Health

What are some unique aspects of this region? *Could include information about transportation, education, weather etc...:*

Nicknamed "California's backbone," this region of towering granite peaks defines much of the state's eastern boundary. Locations like Yosemite Valley, Lake Tahoe, Mammoth Lakes, and the giant trees of Sequoia/Kings Canyon National Park are all within a day's drive of either San Francisco or L.A. In winter, enjoy snow sports; in summer, go hiking, mountain biking, fishing, or boating.

Real estate is affordable and the region puts an emphasis on promoting small business growth. Labor costs are competitive and stable. Unique microclimates support a diverse crop base. Abundant rangeland offers inexpensive grazing opportunities for cattle, sheep, and even free-range poultry.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? Yes

If you answer YES to the question above, please list the programs or incentives for this region if not already mentioned in the Incentives section:

California Business Investment Services (Cal-BIS)

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encouraged to contact the California Business Investment Services (Cal-BIS) unit at the Governor's Office of Economic Development (GO-Biz). This team of business development professionals provide confidential assistance in a broad range of research, consultation, and facilitation services, including customized site selection, present and emergent initiatives, regional market insight, and foreign investment potential.

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Doing What Matters for Jobs and the Economy

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Motherlode Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/MotherLode.aspx>

Is there any extraordinary information that you would like to add about this region?

Yosemite National Park is located in this region and in Yosemite Valley, the Merced River drops over 594-foot Nevada Fall and then 317-foot Vernal Fall, creating what is known as the Giant Staircase.

Region Six

Name of Region (This can include nicknames such as Silicon Valley): Central Coast (Santa Cruz & Monterey, and South Central)

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website?

<http://crconsortium.com/> and <http://www.visitcalifornia.com/region/discover-central-coast>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): Santa Cruz, Monterey, San Luis Obispo, Santa Barbara, and Ventura Counties

What industry or industries are prominent in this region?

Agriculture and tourism drive the Central Coast regional economy coupled with expanding investment in a variety of industries.

- Information
- Environmental printing and publishing
- Electronics
- Metal and wood fabrication
- Marine research
- Business services
- Global space communications industries.

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Advanced Manufacturing (South Central)

- Health (Santa Cruz & Monterey and South Central)
- Small Business (South Central)
- Agriculture, Water & Environmental Technologies (Santa Cruz & Monterey)
- Information & Communication Technologies(ICT)/Digital Media (Santa Cruz & Monterey)

Emerging Industry Sectors that investment into training programs is in planning phase.

- Agriculture, Water & Environmental Technologies (South Central)
- Retail/Hospitality/Tourism 'Learn and Earn' (Santa Cruz & Monterey)
- Small Business (Santa Cruz & Monterey)
- Information & Communication Technologies (South Central)

What are some unique aspects of this region? Could include information about transportation, education, weather etc.:

In this narrow strip of coastal hills and valleys, discover romantic towns, including Carmel-by-the-Sea, historic Monterey, and elegant Santa Barbara, nicknamed "the American Riviera." The region's classic drive along Highway 1, linking San Francisco to Los Angeles, visits Big Sur, Hearst Castle, wine country, and kickback surf towns.

The workforce draws on a million plus population, marked by above average incomes and healthy retail sales. With the large selection of commercial and industrial parcels available, the Central Coast can provide a cost-effective option for any business. Convenient access to international markets via air and sea is available in nearby San Francisco Bay Area airports and shipping ports.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? Yes

If you answer YES to the question above, please list the programs or incentives for this region if not already mentioned in the Incentives section:

California Business Investment Services (Cal-BIS)

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<http://california.maps.arcgis.com/apps/MapSeries/index.html?appid=f69828845dc94cbfbc380597792e177>

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Santa Cruz/Monterey Regional Contact List -

<http://doingwhatmatters.cccco.edu/ResourceMap/SantaCruzMonterey.aspx>

S. Central Coast Region Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/SouthCentralCoast.aspx>

Is there any extraordinary information that you would like to add about this region?

Monterey served as California's first capital when the state's first constitution was signed in in the coastal city in 1849.

Region Seven

Name of Region (This can include nicknames such as Silicon Valley): Los Angeles

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website?

<http://www.laocrc.org/> and <http://www.visitcalifornia.com/region/discover-los-angeles-county>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): Los Angeles county

What industry or industries are prominent in this region?

The Los Angeles region is a leader in the leisure and hospitality industries is home to the largest port complex in the Western Hemisphere and the largest number of manufacturing jobs of any county in the country.

Tourism

- Wholesale trade and logistics
- Technology
- Motion picture/tv production.
- Bio-medical research facilities
- Digital information technology
- Environmental technology
- Creative resource industries
- Apparel
- Computer and electronic products
- Transportation products
- Toys
- Fabricated metal products
- Food products
- Furniture

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Advanced Manufacturing
- Advanced Transportation & Renewables
- Health

Emerging Industry Sectors that investment into training programs is in planning phase.

- Energy, Construction & Utilities
- Information & Communication Technologies (ICT)/Digital Media

What are some unique aspects of this region? *Could include information about transportation, education, weather etc.:*

With a population of over 11 million, there are markets and available labor for every industry in the Los Angeles region. There are six airports in the region, three seaports, plus extensive freeways and service by two rail carriers. The ports of Long Beach and Los Angeles are numbers one and two in the nation in terms of container traffic handled, while the Los Angeles International Airport ranks number four among the airports of the world in cargo traffic handled.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? Yes

If you answer YES to the question above, please list the programs or incentives for this region if not already mentioned in the Incentives section:

California Business Investment Services (Cal-BIS)

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Doing What Matters for Jobs and the Economy

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Los Angeles Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/LosAngeles.aspx>

Is there any extraordinary information that you would like to add about this region?

In 1892, oil was discovered near what is now Dodger Stadium and currently an oil derrick on the property of Beverly Hills High School produces about 400 barrels a day. The school earns about \$300,000 a year in royalties. Los Angeles has the only remaining wooden lighthouse in the state (located in San Pedro's Fermin Park) and the largest historical theater district on the National Register of Historic Places (located Downtown on Broadway).

Region Eight

Name of Region (This can include nicknames such as Silicon Valley): Orange County

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website?

<http://www.laocrc.org/> and <http://www.visitcalifornia.com/region/discover-orange-county>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): Orange county

What industry or industries are prominent in this region?

A large number of the regions workforce is employed in high technology industries and with close proximity to Mexico and major gateways to the Asian markets of the Pacific Rim, foreign trade is a significant component of the Orange County economy.

- Advertising
- Apparel companies
- Architecture
- Auto design
- E-commerce
- Professional services
- Manufacturing
- Medical devices
- Pharmaceutical
- Residential builders
- Telecommunications
- Venture capital firms
- World trade

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Advanced Manufacturing
- Health
- Retail/Hospitality/Tourism 'Learn and Earn'

Emerging Industry Sectors that investment into training programs is in planning phase.

- Energy, Construction & Utilities
- Information & Communication Technologies (ICT)/Digital Media

What are some unique aspects of this region? Could include information about transportation, education, weather etc.:

Orange County, home to the world-renowned Disneyland Resort, is a high-productivity urban center. With close proximity to Mexico and major gateways to the Asian markets of the Pacific Rim, foreign trade is a significant component of the Orange County economy.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? Yes

If you answer YES to the question above, please list the programs or incentives for this region if not already mentioned in the Incentives section:

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Orange County Regional Contact List - <http://doingwhatmatters.cccco.edu/ResourceMap/OrangeCounty.aspx>

Is there any extraordinary information that you would like to add about this region?

Irvine's Spectrum Center is home to the nation's only Hello Kitty Café!

Region Nine

Name of Region (This can include nicknames such as Silicon Valley): Inland Empire/ Desert

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website?

<http://www.desertcolleges.org/> and <http://www.visitcalifornia.com/region/discover-deserts>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): Riverside and San Bernardino Counties

What industry or industries are prominent in this region?

Many of Southern California is newest and most technologically and entrepreneurially aggressive companies have started in or are migrating to the region. They are expanding the region's economic base, leading to improvements in local employment, personal income, retail sales, home sales, and home prices.

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Advanced Manufacturing
- Health
- Global Trade & Logistics

Emerging Industry Sectors that investment into training programs is in planning phase.

- Advanced Transportation & Renewables
- Information & Communication Technologies (ICT)/Digital Media

What are some unique aspects of this region? Could include information about transportation, education, weather etc.:

With large tracts of undeveloped land, lower space costs, and a huge blue-collar labor force, the area offers thousands of technicians, professionals, and executives who are migrating to the new upscale neighborhoods being built across the region, willing to work for local firms for less to avoid coastal commutes. Its rich infrastructure encloses five regional airports including the second largest cargo-handling airport in the Southland, a major intermodal rail yard, and cargo sorting cross-dock facilities for nearly every Southern California trucking firm.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? Yes

If you answer YES to the question above, please list the programs or incentives for this region if not already mentioned in the Incentives section:

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Inland Empire Regional Sectors Contacts: <http://doingwhatmatters.cccco.edu/ResourceMap/InlandEmpire.aspx>

Is there any extraordinary information that you would like to add about this region?

Death Valley National Park, the nation's lowest elevation also holds the record for hottest temperature ever recorded (129°F/54°C in 1913 and in February 2016, three new national monuments were created, protecting a combined total of 1.8 million acres of California desert.

Region Ten

Name of Region (This can include nicknames such as Silicon Valley): San Diego/Imperial

Does this region have a designated web site? (Y/N): Yes

If you answered YES to the question above, what is the website?

<http://myworkforceconnection.org/> and <http://www.visitcalifornia.com/region/discover-deserts>

Geographic Location Information (For example, Silicon Valley spans several major cities including San Jose, Cupertino and Palo Alto): San Diego and Imperial Counties

What industry or industries are prominent in this region?

The San Diego/Imperial region has seen a transformation from an economy dependent on military spending and aerospace contracts to a region where a broad array of technological industries have taken root and flourished.

- Bioscience
- Communications
- Electronics
- Software
- Recreational goods
- Defense
- Space

Priority Industry Sectors that are of primary focus in the region; these sectors have training program investments that are in start-up phase or are currently delivering training and/or services to job searchers and employers.

- Advanced Transportation & Renewables
- Health
- Life Sciences/ Biotech

Emerging Industry Sectors that investment into training programs is in planning phase.

- Advanced Manufacturing
- Information & Communication Technologies (ICT)/Digital Media

What are some unique aspects of this region? *Could include information about transportation, education, weather etc....*

This San Diego/Imperial region is known for some of the best weather and warmest water in the state. San Diego, the state's second largest city, is home to the San Diego Zoo in Balboa Park, one of the world's great urban parks. For family fun, play at SeaWorld San Diego and LEGOLAND California. Inland, discover surprising mountain towns like

Julian, known for orchards and apple pie. The region also provides a wide range of lifestyle choices, from urban chic to rural peace.

Are there any special programs or incentives for companies wanting to move to this region and does the region offer site selection assistance? Yes

If you answer YES to the question above, please list the programs or incentives for this region if not already mentioned in the Incentives section:

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San Diego/Imperial Regional Sectors Contacts: <http://doingwhatmatters.cccco.edu/ResourceMap/SanDiego.aspx>

Is there any extraordinary information that you would like to add about this region?

The first European explorer to land in California, Juan Rodriguez Cabrillo, came ashore in San Diego in 1542.

AMERICAN MADE LABEL REQUIREMENTS

Federal Trade Commission oversees “Truth in Advertising” regulations including promotion or disclosure of products displaying “Made in USA” labeling. FTC requires products advertised as “Made in USA” be “all or virtually all” made in the U.S. “all or virtually all” means the product should contain no – or negligible – foreign content.

Made In USA Requirements

Does the state have any specific requirements for labeling products “Made in USA”? (Y/N): No *If you answered YES to the question above, what are the requirements for labeling products “Made in USA”:*

Is there pending legislation regarding these requirements? (Y/N): No *If you answered YES to the question above, please describe the proposed legislation including the bill number:*

Made In YOUR STATE Requirements

Does your state have any specific requirements for labeling products “Made in YOUR STATE”? (Y/N): Yes

If you answered YES to the question above, what are the requirements for labeling products “Made in YOUR STATE”:

CA Made

CA Made is a new state labeling program designed to encourage consumer product awareness and to promote the purchase of products manufactured in California. The Governor’s Office of Business and Economic Development (GO-Biz) administer the program. CA Made provides the following services to approved products:

- A license to use the CA Made label on products, packaging, and point of sale merchandising.
- Placement of the product and company biography on the CA Made website.
- Information on services from program partners.
- Marketing via GO-Biz’s social media sites (e.g. Twitter, Facebook).

The program’s branding will communicate a message that is inclusive of the state’s diverse regions and manufacturers and that represents California as a world leader in innovation, style, and quality goods.

The program supports a wide variety of manufactured products covering multiple industries. Examples of products may include apparel, furniture, software, art, household goods, handmade items, and toys.

Program Website: <http://camade.ca.gov/>

Program Contact: Janelle Green, Small Business Specialist, (916) 322-0761 or Janelle.green@gov.ca.gov

Program Application: <http://camade.ca.gov/Login.aspx>

CA Grown

California is the largest agricultural state in the nation and produces over 350 agricultural commodities. The Buy California Program was created in 2001 with the goal of forming a cross-commodity marketing campaign for California agricultural goods and the food and beverage products made from them.

The California Department of Food and Agriculture, through close partnership with industry, established the Buy California Marketing Agreement and the CA Grown logo for the branding and labeling of food items grown and manufactured in California. Producers, processors, and retailers of food and beverage items, which meet the program requirements for an annual licensing fee or through membership, can license the CA Grown logo for use.

Program Website: <http://www.californiagrown.org>

Program Contact: Buy California Marketing Agreement
1521 I Street
Sacramento, CA 95814
(916) 411-5302
info@californiagrown.org

Licensing Sign up: <http://www.californiagrown.org/our-program/>

Is there pending legislation regarding these requirements? (Y/N): No *If you answered YES to the question above, please describe the proposed legislation including the bill number:*

Is there an organization or entity that monitors state labeling? (Y/N): Yes

If you answered YES to the question above, please provide the name and contact information for the organization or entity:

California Department of Public Health
Food and Drug Branch
1500 Capitol Avenue MS 7602
PO Box 997435, Sacramento, CA 95899-7435

Phone: (916) 650-6500
Fax: (916) 650-6650
Email: FDBinfo@cdph.ca.gov

Date of Submission 7/13/2017

Thank you for your time. Please email your responses to alevy@reshoringinstitute.org **and your responses will be recorded and available**