



READY

when you are.

READY *career
education*
at your local community college

Viewbook

READY *career
education*
at your local community college

READY

for anything.

An in-demand career.
A better paycheck. A brighter future.

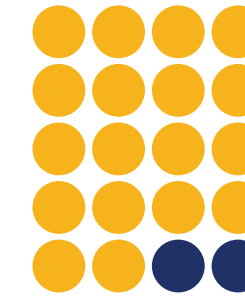
Career Education is about more than just landing a job. It's about setting a foundation for a rewarding and secure future. For yourself, for your family, and for your community.

Our economy and workforce depend on well-educated, well-trained professionals to keep our region competitive. And there's one thing that Inland Empire-Desert region community college grads *all* have in common...

They're **Ready**.



Career Education by the numbers...



18 *OF* **20**

of the fastest-growing occupations in the U.S. require on-the-job training, an associate degree or a postsecondary credential.

67%

of employers in a recent survey said they are experiencing a shortage of qualified workers in their industry, with 12 percent calling those shortages "severe."



1,000,000

"middle skills" job openings will surface by 2025 for recipients of a Career Education degree or certificate.

Career Education is **IN DEMAND...**

...and our region's **community colleges are READY to meet the needs of the evolving workforce.**

Real-World Ready.
Career education students launch their careers *faster*, with higher starting salaries.

Tech Ready.
Your community college gives you access to the latest industry technology, so you enter your new career with more experience and more *confidence*.

Workforce Ready.
Our regional industries are driven by educated professionals with hands-on training. The future of our economy depends on you.

Future Ready.
Secure a more stable future by learning a crucial skill in a fast-growing, recession-proof industry.

What is the "Skills Gap"?

According to the Public Policy Institute of California, the state will encounter a shortage of nearly 1-million* college-requiring, "middle skills" jobs by 2025. This is especially alarming for the Inland Empire-Desert region, which is among the state's fastest-growing yet least-prepared economies, in terms of education and training.

Our local community colleges are here to bridge that "skills gap," providing a pathway to success for our graduates, while ensuring the continued vitality of our region's industry, technology and commerce.

*<http://www.ppic.org/press-release/californias-education-skills-gap-modest-improvements-could-yield-big-gains/>

Ready to Explore?



Agriculture and Natural Resources
p.6



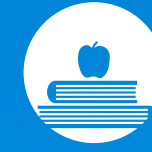
Arts, Media, and Entertainment
p.8



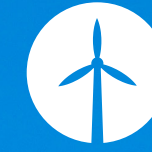
Building and Construction Trades
p.10



Business and Finance
p.12



Education, Child Development, and Family Services
p.14



Energy, Environment, and Utilities
p.16



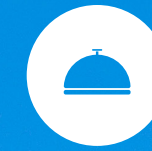
Engineering and Architecture
p.18



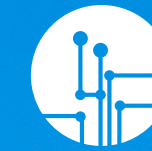
Fashion and Interior Design, and Personal Services
p.20



Health Science and Medical Technology
p.22



Hospitality, Tourism, and Recreation
p.24



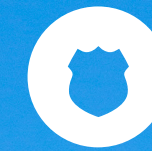
Information and Communication Technologies
p.26



Manufacturing and Product Development
p.28



Marketing, Sales, and Service
p.30



Public Services
p.32



Transportation
p.34



Agriculture and Natural Resources

At a Glance...

When most people think of agriculture, they think of farming... but employees in this industry work everywhere from labs to veterinarians' offices, and beyond.

Agriculture is a \$47 billion-dollar industry in California, making our state the most prolific producer of agriculture in the U.S., and the fifth largest provider in the world. Because of this, demand for agricultural and natural resource specialists throughout the state is high, with more new job openings every year than qualified applicants to fill them.

Fast-growing and high-wage careers include agricultural marketing and sales personnel, agricultural engineers, laboratory and research technicians, environmental scientists, landscape and turf managers, and pest management specialists.

Ready to...

- *Explore the relationship between humans and the environment?*
- *Understand how to help plants and animals thrive?*
- *Diagnose, test, and repair large equipment, using complex technology?*
- *Solve real-world problems with practical, hands-on solutions?*



Fun Fact:

10% of all people who work in California are engaged in agriculture-related occupations.



Types of Careers

- Land Use Planning Technician
- Field Representative Technician
- Animal Health Technician
- Greenhouse Grower/Manager
- Soil Conservation Technician
- Landscape Designer
- Forestry Technician
- Ag Sales & Service Technician
- Ag Import/Export Technician
- Ag Equipment Service
- Ag Equipment Set-Up Foreperson



Salary Snapshot

- Animal Health Technicians: \$13.32 – \$23.46
- Agricultural Technicians: \$11.56 – \$23.69
- Food Science Technicians: \$11.56 – \$23.69
- Veterinary Assistants: \$10.52 – \$16.82
- Forest & Conservation Technicians: \$15.99 – \$25.39



Industry Sector Pathways:

- Agriculture/Natural Resource
- Desert Ecologist/Naturalist
- Field Ranger
- Animal/Equine Science Specialist
- Animal Health Technician
- Environmental Horticulture and Restoration
- Environmental Horticulture
- Arborist
- Landscape/Irrigation
- Turfgrass Management
- Plant/Crop Science
- Pest Management
- Hazardous Materials Specialist



Arts, Media, and Entertainment

At a Glance...

The days of working in the arts and being a “starving artist” are over. Entertainment, especially in California, is big business. According to PricewaterhouseCoopers, the U.S. media and entertainment market is projected to grow to \$804 billion by 2021, making it the largest media and entertainment market in the world. As the future of media continues to merge with new and emerging technologies, the demand for technologically savvy designers and creative professionals will continue to grow.

Unlike other career pathways, jobs in the Arts, Media, and Entertainment sector tend to be cross-disciplinary, demanding a constantly changing combination of imaginative and hands-on skills. Students in this sector generally study across a range of several different academic disciplines, in order to acquire a mix of technical and creative skills, as well as the ability to work both independently and collaboratively.

Ready to...

- **Use your imagination to find creative solutions to artistic problems?**
- **Collaborate on project-based assignments?**
- **Learn how to use technology to help you be more inventive?**
- **Be part of the business side of entertainment-related industries?**



Fun Fact:

In 2017, the total revenue for the video game industry amounted to 36 billion U.S. dollars, an **18% increase** from the previous year.



Types of Careers

- Stage Manager
- Recording Studio Assistant
- Special Effects Coordinator
- Web Designer
- Prop Maker
- Photographer
- Graphic Designer/Artist
- Film Maker
- Camera Operator
- Screen Writer
- Photojournalist
- Music Minister
- Radio/Television Broadcaster
- Gaffer
- Negative Cutter
- Key Production Grip



Salary Snapshot

- Film and Video Editors: \$24.50 – \$70.12
- Television & Film Camera Operators: \$23.62 – \$37.49
- Photographers: \$12.01 – \$27.68
- Broadcast Technicians: \$17.62 – \$30.07
- Desktop Publishers: \$18.41 – \$29.21
- Sound Engineering Technicians: \$17.66 – \$46.95
- Web Developers: \$15.52 – \$35.16
- Music Composers: \$11.81 – \$27.54



Industry Sector Pathways:

- Animation, 3D Animation, Motion Graphics
- Audio Production, Radio Production
- Audio/Music Technology, Music Industry Studies, Commercial Music
- Dance, Pilates
- Film/Television/Video Production/Electronic Media
- Journalism
- Multimedia: Art/Digital Media, Graphic Design
- Music Performance, Jazz, Piano
- Music Technology, Songwriting
- Photography, Digital Photography
- Post-Production Editing
- Printing Production
- Screenwriting
- Theater Arts, Technical Theater, Musical Theater
- Game Art/Design, Game Programming



Building and Construction Trades

At a Glance...

From designing buildings to building cabinets, workers in the Building and Construction Trades sector literally build the world around us. According to the U.S. Bureau of Labor Statistics, construction is one of the nation's top 10 industries and accounts for almost 5% of the gross national domestic product. As populations, businesses, and local economies expand, job opportunities in this sector will continue to grow at an above-average rate of 11% a year.

Students in this sector tend to like math, work well on team projects, excel at following directions, and enjoy working with their hands and their heads. Over the next 10 years, more than a million construction jobs will be created in the U.S., which will require workers in categories ranging from laborers to architects, and everything in between.

Programs integrate academic and technical instruction that focuses on the acquisition of knowledge and skills through hands-on, project-based, and work-based instruction.

Ready to...

- **Work outdoors and build things with your hands?**
- **Design large structures using computers?**
- **Install and maintain complex machinery and equipment?**
- **Manage and organize multi-faceted construction projects?**
- **Develop a specialty in a construction-related trade?**



“
I am absolutely in love with my career, and I'm head over heels with what I'm doing for a living.
”

– *Michael Anguiano*
Industrial Automation Program
Norco College



Fun Fact:

According to CACareerZone.org, there are about **57,460 total** yearly job openings in this industry and only about **11,494 graduates** to fill them.



Types of Careers

- Electronic Technician
- Maintenance Supervisor
- Heating/Ventilation/AC (HVAC) Technician
- Environmental Materials Technician
- Electrician
- Construction Supervisor
- Computerized Numerical Control (CNC) Technician
- Computer-Aided Design (CAD) Technician
- Building Constructor
- Automated Control System Technician
- Furniture Maker
- Production Manager
- Contractor



Salary Snapshot

- Building Inspectors: \$33.70 – \$53.05
- Electricians: \$21.61 – \$32.98
- Heating & Air Conditioning Installers: \$18.05 – \$27.79
- Home Appliance Repairers: \$17.90 – \$27.63
- Solar Installers & Technicians: \$16.22 – \$25.95



Industry Sector Pathways:

- Building Automation Control, Facilities Operations Technician
- Building Inspection, Inspection Technology
- Construction Technology/Management, Building Construction
- Electrician, Electrician Apprentice, General/Basic Electrician
- Heating, Ventilation, Air Conditioning & Refrigeration
- Plumbing
- Residential Maintenance
- Woodworking
- Land Surveying



Business and Finance

At a Glance...

Who says more money means more problems? The Business and Finance industry sector is a critical component of the U.S. economy, employing more than six million people in careers ranging from bookkeeping to financial and investment planning. Advances in technology, as well as market globalization and the expansion of banking and investment institutions around the world, will continue to create exciting and challenging career opportunities in this industry for the foreseeable future.

With more than \$16.8 trillion in assets, the U.S. banking system supports the world's largest economy, but students who study business and finance don't just work for banks. Career opportunities for those with degrees related to business and finance are available in every sector of the economy and tend to require specific skills in mathematics, organization, time management, customer service, and communication.

Specializations typically emphasize accounting and finance concepts, as they relate to international business, computer applications, taxes, investments, and business management.

Ready to...

- **Own your own business and work for yourself?**
- **Manage a team of employees?**
- **Work with financial records to make sure everything adds up?**
- **Be part of a corporate organization?**
- **Understand how local, state, national, and global economies work?**



[My college] helped me learn the ins and outs of running a business, and it gave me the confidence to move forward.



– Adam Spitz
Small Business & Entrepreneurship Program
Copper Mountain College



Fun Fact:

Because all businesses have a financial and management component, career opportunities for students focusing on business and finance exist **in every industry.**



Types of Careers

- Account Specialist
- Cost Estimator
- Tax Preparer
- Associate Accountant
- Administrative Assistant
- Office Manager
- Loan Specialist
- Credit Analyst
- Claims Examiner
- Tax Examiner
- Treasurer
- Underwriting Assistant
- Insurance Claims Agent



Salary Snapshot

- Assessors: \$23.58 – \$39.16
- Office Administrators: \$12.47 – \$22.43
- Bookkeepers: \$15.34 – \$24.46
- Human Resources Assistants: \$13.79 – \$22.35
- Loan Officers: \$15.04 – \$52.32
- Insurance Adjusters: \$11.15 – \$28.57
- Tax Preparers: \$11.36 – \$26.25



Industry Sector Pathways:

- Accounting, Financial Planning, Payroll, Income Tax
- Administrative/Office Assistant, Office Professional/Administration
- Banking & Finance, Bank Operations, Personal Finance
- Business Administration, General Business
- Business Information Worker (BIW), Business/Computer Technology, Computer Applications
- Business Literacy
- Human Resources
- Human Services, Career/Employment Support, Case Management
- Leadership Development
- Logistics/Logistics Management
- Management, Supervision, Project Management
- Office Management, Executive Office Management



Education, Child Development, and Family Services

At a Glance...

If you are looking for a fulfilling career that makes a positive difference in the lives of children and adults, you might consider a job in the Education, Child Development, and Family Services sector. Professionals who follow this path tend to be good communicators with the ability to empathize with people from diverse backgrounds.

As populations increase and older teachers retire, this area will continue to be one of the fastest-growing industry sectors in the nation, despite the limits that state and local budgets often put on its growth.

According to the U.S. Department of Labor, enrollment in all grades, from pre-school to college, will continue to grow, which means that teachers of all levels will be needed to meet the demand. Three of the 10 fastest-growing segments of this industry sector are child care services; individual, family, community, and vocational rehabilitation services; and community and residential elder care services.

Ready to...

- *Make a measurable difference in peoples' lives?*
- *Engage with diverse communities of children and adults?*
- *Explain complex ideas in ways that are easily accessible to learners of all types?*



Fun Fact:

The need for teaching jobs in California is growing at a rate of **10% per year—3% higher** than the national average.



Types of Careers

- Preschool Teacher
- Teacher Assistant
- Head Start Teacher
- Special Education Aide
- Parent Educator
- Child Life Specialist
- Social Worker



Salary Snapshot

- Childcare Center Directors: \$16.94 – \$31.27
- Library Technicians: \$15.88 – \$22.47
- Self-enrichment Education Teachers: \$11.63 – \$19.71
- Preschool Teachers: \$12.54 – \$16.92
- Vocational Education Teachers, Postsecondary: \$21.56 – \$41.80
- Social & Human Services Assistants: \$13.93 – \$20.48



Industry Sector Pathways:

- Child Development
- Child Development Site Supervisor
- Child Development Teacher, Assistant/Associate/Master Teacher
- Day Care Provider, Family Day Care
- Early Childhood Education (ECE), ECE 12 Core Units
- Early Childhood Specializations: Infant, Toddler, Early Intervention & Inclusion
- Education Paraprofessional
- Education Technology
- Gerontology, Community Caregiver
- Interpretation: Community Interpretation
- Sign Language Interpreting, American Sign Language
- Teacher Preparation, Elementary Teacher Education



Energy, Environment, and Utilities

At a Glance...

The United States is not only one of the world's leading suppliers of energy, it is also one of its largest consumers. To serve this ever-expanding market, the Energy, Environment, and Utilities sector employs technicians in electrical, mechanical, and construction jobs as well as architects, engineers, business managers, sales/marketing professionals, and public policy specialists.

With the increase of public and governmental interest in renewable energy, clean energy generation, and energy efficiency, job opportunities across the energy spectrum are growing rapidly and will continue to do so, especially since 40% of the existing workforce will be eligible for retirement in the next five years. As a result, employers will need skilled workers for traditional energy jobs as well as future energy-related positions. While this sector consists of many different kinds of companies and products, skills developed in one area are generally transferable to others.

In California alone, this sector creates 15,000 jobs per year, many of which are for high-wage jobs, starting at \$40,000 and progressing to more than \$100,000. Especially strong demand is projected for Heating, Ventilation, and Air Conditioning (HVAC) technicians, electricians, plumbers and pipefitters, utility workers, engineers, and a wide range of business professionals. According to some estimates, jobs in the energy and environment sector could *triple* over the next decade.

Ready to...

- **Work with state-of-the-art technology and machines?**
- **Balance energy needs with environmental concerns?**
- **Learn a practical trade that is transferable to any location?**
- **Be part of an industry with a potentially global impact?**



“
The staff was friendly and accommodating,
and the instructors were amazing...
I couldn't be happier.”

– Michael Majors
Water Supply Technology Program
San Bernardino Valley College



Fun Fact:

California has set the goal that by the year 2030, **50%** of the state's buildings will consume **zero net energy**.

This challenge can only be met with a highly skilled workforce.



Types of Careers

- Heating & Air Conditioning Installer
- Solar Technician
- Industry Facilities Technician
- Power Plant Technician
- Utilities Operator
- Wind Technician
- Journeyman Lineman
- Underground Inspector
- Generation Dispatcher
- Load Forecaster
- Instrumentation Control Technician



Salary Snapshot

- Electrical Power-Line Installers & Repairers: \$26.43 – \$53.84
- Gas Plant Operators: \$38.69 – \$51.08
- Electrical Substation Repairers: \$30.12 – \$52.70
- Water & Wastewater Plant & System Operators: \$25.70 – \$38.59
- Signal & Track Switch Repairers: \$27.98 – \$39.54
- Millwrights: \$18.02 – \$25.51
- Industrial Machinery Mechanics: \$19.84 – \$30.39
- Hazardous Materials Removal Workers: \$15.92 – \$28.97



Industry Sector Pathways:

- Fiber Optic Cabling
- Industrial Electrical, Electromechanical Technology, Electric Power Technology
- Alternative Fuels, Advanced Transportation Technology
- Energy Systems Technology
- Green Technician, Renewable Energy, Green HVAC
- Water Technology, Water Resource Management



Engineering and Architecture

At a Glance...

What will the future look like? Ask someone who works in the Engineering and Architecture sector. Workers in this sector combine creative visions with practical, real-world solutions using strong backgrounds in science and technology. Given the critical importance of the scientific and technological work performed in this sector, job opportunities are always plentiful, even in times of economic downturn.

Students who pursue a career in this sector are involved in imagining, designing, and building the physical and informational structures of the future, as well as providing supporting laboratory, testing, research and development services. The Bureau of Labor and Statistics forecasts that, by 2022, California will have the largest Science, Technology, Engineering, Math (STEM) workforce in the nation, and demand for qualified workers will continue to be found across all engineering disciplines.

Ready to...

- *Solve complex problems using an understanding of math, physics, and the related sciences?*
- *Design new ideas and structures using the latest technologies?*
- *Engineer the physical infrastructure for tomorrow's information systems?*
- *Blend creative ideas with practical, real-world solutions?*



Fun Fact:

The average annual wage of workers in this sector is **\$87,122** —more than double the national average for all industries.



Types of Careers

- Drafter/Designer
- Plan Checker
- Surveyor
- Estimator
- Electrical Engineering Technician
- Mechanical Engineering Technician
- Laboratory Technician
- Civil Engineering Technician
- Chemical Engineering Technician
- Aerospace Engineering Technician
- Architectural Drafter
- Telecommunications Technician



Salary Snapshot

- Civil Drafters: \$17.86 – \$30.74
- Electro-Mechanical Technicians: \$26.91 – \$38.45
- Mapping Technicians: \$21.01 – \$36.47
- Power Distributors & Dispatchers: \$35.00 – \$50.28
- Surveying Technicians: \$21.01 – \$36.47
- Nuclear Technicians: \$31.35 – \$51.04



Industry Sector Pathways:

- Electronics Engineering, Digital Electronics
- Drafting Technology, Computer Aided Design & Drafting, Mechanical Drafting
- Architecture Technology/Environmental Design, Architectural Graphics
- Computer Engineering Technology, Electronics/Computer Technology
- Engineering Technology
- Engineering, Pre-Engineering, Engineering Graphics, Rapid Prototyping



Fashion and Interior Design, and Personal Services

At a Glance...

The Fashion and Interior Design sector is a sophisticated, multibillion-dollar market offering a wide variety of careers in market research, brand licensing and intellectual property rights, design, materials engineering, product manufacturing, marketing, and distribution. If you are a trend-setter with a flair for the creative, then this might be the industry for you.

Interior designers work with colors, textures, furniture, lighting, and space planning in order to improve the function, safety, and aesthetics of public and private spaces. Fashion designers study trends, create designs, choose colors and fabrics, and manage the production of the materials they create.

Such factors as a global focus on the “Los Angeles lifestyle” as it relates to apparel, textiles, home furnishings, and furniture, the increasing use of international sourcing, and the development of new technologies, are creating promising opportunities across the industry. According to the California Fashion Association, a particularly high demand exists for pre-production jobs involving computerized pattern-making and product data management for larger companies.

Ready to...

- *Keep up with the latest cultural and industry trends?*
- *Design spaces that are functional and aesthetically pleasing?*
- *Blend your personal creativity with the practical needs of the market?*



Fun Fact:

Technology is an **increasingly important** component of the design industry.



Types of Careers

- Fashion Illustrator
- Visual Merchandiser
- Fashion Buyer
- Stylist
- CAD Specialist
- Facility & Space Planner
- Assistant Designer
- Costume Designer
- Textile Designer
- Drapery/Upholstery Estimator



Salary Snapshot

- Hairstylists & Cosmetologists: \$11.66 – \$18.36
- Merchandise Displayers: \$10.98 – \$18.33
- Fashion Designers: \$15.46 – \$30.22
- Interior Designers: \$19.32 – \$29.81
- Makeup Artists: \$20.72 – \$55.88
- Skincare Specialists: \$10.28 – \$15.24
- Barbers: \$12.58 – \$15.14



Industry Sector Pathways:

- Cosmetology
- Cosmetology Entrepreneurship, Management & Supervision, Cosmetology Teacher Training
- Fashion Design/Merchandising, Sewing/Dressmaking
- Floral Design
- Interior Design
- Trim & Upholstery



Health Science and Medical Technology

At a Glance...

The medical and health industry is one of the largest employers in California, employing nearly 1.4 million professionals across a wide range of well-paying career opportunities. Employment in healthcare occupations is projected to grow at a rate of 18% from 2016 to 2026, adding more jobs than any other occupational group and maintaining its position as one of the top five grossing industries in the United States.

Programs of study in this sector can lead you in many different directions, including nursing, biotechnology research, diagnostic services, health informatics, support services, and physical therapy. While many of the careers in this sector require advanced-level preparation, there are plenty of options available for students of various aptitudes, interests, abilities, and degree levels.

While significant expansion will continue across all occupational segments, the Health Workforce Initiative notes especially strong growth opportunities for Certified Nursing Assistants, Home Health Aides, and Licensed Vocational Nurses.

Ready to...

- *Care for people that are sick and suffering?*
- *Research and perform experiments using the latest technology?*
- *Collect data in order to better understand a disease or treatment?*
- *Assist doctors and nurses with their daily activities?*



Fun Fact:

The healthcare industry is considered “recession-proof” and continues to grow, even while other industries stagnate.



Types of Careers

- Certified Nursing Assistant (CNA)
- Pharmacy Technician
- Registered Nurse (2 yr)
- Operating Room Technician
- Medical Records Technician
- Licensed Vocational Nurse (LVN)
- Radiology Technologist
- Dental Lab Technician
- Respiratory Therapist
- Cardiovascular Technologist
- Dental Hygienist
- Diagnostic Medical Sonographer
- Biomedical Technician
- Environmental Services Technician
- Gerontologist



Salary Snapshot

- Medical Assistants: \$12.61 – \$17.12
- Registered Nurses: \$38.25 – \$55.31
- Veterinary Technologists & Technicians: \$16.26 – \$25.03
- Dental Assistants: \$12.11 – \$19.18
- Dental Hygienists: \$40.75 – \$50.73
- Medical Records Technicians: \$16.57 – \$25.83
- Massage Therapists: \$11.98 – \$19.62
- Medical Transcriptionists: \$21.80 – \$29.91
- Opticians: \$14.15 – \$21.04



Industry Sector Pathways:

- Alcohol/Drug Studies, Dual Diagnosis
- Athletic Training
- Dental Assisting, Dental Hygiene
- Kinesiology: Coaching Professions
- Kinesiology: Fitness/Recreation Professions
- Medical Assisting, Medical Transcription
- Medical Front Office, Coding/Billing, Electronic Records
- Nursing Assistant, Home Health Aide
- Nursing Specialty: Acute Care Technician, Mobile Intensive Care, Critical Care
- Nursing: LVN
- Nursing: Registered Nurse, Associate Degree Nursing (ADN)
- Pharmacy Technician
- Phlebotomy
- Psychiatric Technology
- Radiologic Technology, Sonography
- Respiratory Therapy/Care
- Sports Medicine



Hospitality, Tourism, and Recreation

At a Glance...

The travel and tourism market is one of the world's largest industries, with a global economic impact of more than \$8 trillion in 2016. In the U.S. alone, this industry supports nearly 7.6 million jobs. Whether you have a passion for food, travel, sports, or nutrition, California's unique position as a premier travel destination makes this an exciting sector to be a part of.

Certificate and Associate Degrees available in Retail, Hospitality, Tourism, and Recreation Management are not only transferable to related CSU and UC programs, but will also qualify you for many immediate employment opportunities. Since many of these sectors depend on the work of part-time employees, opportunities abound for students who want to gain valuable work experience while earning a paycheck and going to school. As a bonus, these jobs frequently offer unique travel options and industry discounts.

Ready to...

- *Work with culturally diverse people from around the world?*
- *Provide services to customers and tourists?*
- *Foster relationships with clients and be a "people person"?*



Fun Fact:

This industry is known for **promoting from within** and for its large number of young managers.



People are reaching out to our administration for job opportunities because they know the people that come out of here are ready for the workforce.



*– Elizabeth Vazquez
Culinary Arts Program
Riverside City College*



Types of Careers

- Food Inspector
- Dietetic Technician
- Food Production Chemist
- Food & Beverage Director
- Food Service Manager
- Food Designer
- Social Director
- Tour Guide/Manager
- Hotel Concierge
- Convention Planner
- Chef/Cook/Baker
- Caterer
- Travel Agent
- Concert Promoter
- Event/Wedding Planner
- Flight Attendant
- Club Manager



Salary Snapshot

- Chefs & Head Cooks: \$14.80 – \$34.86
- Concierges: \$12.13 – \$16.58
- Tour Guides: \$13.13 – \$25.71
- Food Service Managers: \$15.98 – \$28.26
- Dietetic Technicians: \$11.76 – \$19.50
- Meeting, Convention, & Event Planners: \$14.49 – \$29.21
- Travel Agents: \$13.23 – \$18.94



Industry Sector Pathways:

- Culinary Arts, Restaurant Service, Food Preparation
- Golf Management
- Management: Culinary, Hospitality, Hotel, Restaurant
- Nutrition & Food, Dietetics
- Retail Management
- Retail Management, Retail Management-Western Association of Food Chains (WAFC)
- Viticulture, Enology & Winery Technology



Information and Communication Technologies

At a Glance...

More than a quarter of the \$3.8 trillion global information and communication technology market resides in the United States, where it has created upwards of 10.5 million jobs. In California alone, where Silicon Valley has become synonymous with the rapidly evolving world of technology, this industry accounts for 12.6% of the state's economy, while providing more than one million jobs across the state.

Information and communication technology students learn about the design, development, maintenance, and management of hardware, software, multimedia, and systems integration services. Because of the central role that technology plays in all industries, IT professionals are and will continue to be in great demand in every sector of the economy. Specific areas of future growth are likely to surface in the areas of cloud computing, collection and storage of big data, and information security.

Ready to...

- *Work on a team of professionals to develop cutting-edge products and solutions?*
- *Learn job skills that are transferable to almost any location and industry?*
- *Troubleshoot a variety of software and hardware problems?*



Fun Fact:

The average wage for workers in this industry is an estimated **\$103,000**—three times the national average for all occupations.



Types of Careers

- Computer Support Specialist
- LAN Support Technician
- Software/Hardware Installer
- Telecommunications Specialist
- Network Administrator
- Data Communications Specialist
- Computer Graphic Artist
- Desktop Publisher
- Multimedia Specialist
- Web Designer
- Webmaster
- Database Administrator
- Technical Writer



Salary Snapshot

- User Support Specialists: \$19.81 – \$29.80
- Database Administrators: \$28.36 – \$49.29
- Network Support Specialists: \$24.28 – \$45.35
- Systems Administrators: \$28.04 – \$43.23
- Web Developers: \$15.52 – \$35.16
- Multimedia Artists & Animators: \$15.93 – \$41.29
- Computer Programmers: \$27.49 – \$43.77
- Electro-Mechanical Technicians: \$26.91 – \$38.45



Industry Sector Pathways:

- Web Design/Development
- Microsoft Certified Systems Engineer (MSCE)
- Communication Technology: Sound, Wireless, Electronic
- Computer Information Systems, Software/Computer Applications
- Computer Programming, C++, Java
- Computer Science
- Database Design/Management, MIS, Systems Development, UNIX, MYSQL
- Hardware Specialist, Computer Maintenance, Help Desk, IT Technician
- Information Security, Cyber Security, Computer Forensics
- Information/Computer Technology/Literacy
- Internet/Web Authoring, E-Commerce, Mobile Applications
- Networking/Computer Support, CISCO: CCNA & CCNP, A+, N+



Manufacturing and Product Development

At a Glance...

With an estimated 34,590 new job opportunities each year in California, and only about 5,868 graduates to fill them, manufacturing and product development remains a promising sector for those who like to work with their minds and hands. While certain kinds of manufacturing jobs are in decline, high-tech manufacturing continues to grow, especially in the areas of 3-D printing, and high-speed, computerized numerical control machining.

Employers in this sector look for technicians who are at ease in the mechanical world and able to apply scientific and technical principles to manufacturing processes. Students of manufacturing and product development learn about manufacturing processes and systems, and can follow a wide variety of paths, including graphic design production, machine tooling and forming, welding and materials joining, and product innovation and design.

Opportunities for advancement are plentiful as technological advancements make higher-skill jobs in basic research and technology development, product and process engineering and design, operations and maintenance, transportation, testing, and lab work more prevalent.

Ready to...

- *Work with your head and hands to bring product designs to life?*
- *Use mechanical skills to build and maintain heavy machinery?*
- *Learn a practical trade that is in-demand—no matter where you live?*



Fun Fact:

Manufacturing categories with **the largest growth** include team assemblers, machinists, welders, tool and die makers, and mechanical and other engineers.



Types of Careers

- CNC Programmer
- Machine Technician
- Industrial Electrician
- Cabinetmakers & Bench Carpenter
- Tool & Die Maker
- Power Plant Operator
- Fabric & Apparel Pattern Maker
- Certified Welder
- Foundry Core, Pattern Maker
- Composite Fabricator
- Production Manager



Salary Snapshot

- Computer Numerically Controlled Machine Tool Programmers: \$20.55 – \$35.47
- Fabric Patternmakers: \$14.43 – \$23.24
- Industrial Production Managers: \$35.11 – \$62.12
- Machinists: \$16.32 – \$25.25
- Prepress Technicians: \$11.97 – \$19.78
- Model Makers: \$18.32 – \$30.33
- Tool & Die Makers: \$20.54 – \$31.45
- Metal Fabricators & Fitters: \$13.74 – \$20.28



Industry Sector Pathways:

- CAD/CAM, Computer Numerical Control (CNC)
- Industrial Automation, Supply Chain Technology
- Industrial Maintenance Mechanic, Instrumentation Technology
- Machine Technology, Machine Operator, Basic/Conventional Machining, Tool & Die
- Operations and Production Management
- Quality Assurance
- Welding, SMAW, GTAW, FCAW, Stick, TIG



Marketing, Sales, and Service

At a Glance...

With an estimated 16 million jobs in sales and related occupations, the marketing, sales, and service sector occupies an important place in both the local and national economy.

Within this field, a variety of career choices focus on such things as maximizing the experiences of customers, generating digital sales and traffic, managing personnel, and developing brands and products. People who work in this sector are typically outgoing, “people person”-types who are good at using their creativity and persuasive skills to communicate the value of that which they wish to sell.

Because almost all businesses require some sort of sales and marketing component, students who study sales and marketing acquire skills that are useful across all industry sectors. In addition, the large numbers of entry-level sales jobs provide opportunities for students to get work experience and earn a living while they are going to school.

Ready to...

- *Help consumers find the products they are looking for?*
- *Communicate the value of various goods and services to a wide variety of markets?*
- *Be a “people person” and engage consumers of diverse backgrounds?*



Fun Fact:

In California alone, there are an estimated **151,150** job openings in this sector every year.



Types of Careers

- Account Supervisor
- Copywriter-Designer
- E-Commerce Entrepreneur
- E-Commerce Marketing Specialist
- Forum Manager
- Bill & Account Collector
- Credit Authorizer
- Statistical Assistant
- Regional Sales Manager
- Retail/Wholesale Buyer



Salary Snapshot

- Advertising Sales Agents: \$14.92 – \$26.19
- Real Estate Brokers: \$11.29 – \$31.80
- Brokerage Clerks: \$23.22 – \$33.84
- Retail Sales Supervisors: \$14.38 – \$23.36
- Wholesale Sales Representatives: \$18.95 – \$40.83
- Customer Service Representatives: \$13.52 – \$22.00
- Public Relations Specialists: \$19.03 – \$38.12



Industry Sector Pathways:

- International Business
- Small Business, Entrepreneurship
- Marketing
- Real Estate
- Real Estate Development
- Real Estate Escrow, Sales





Public Services

At a Glance...

A public service is a service provided by the government for the benefit of its citizens. Generally speaking, “government jobs” are highly prized because of their benefits and retirement packages. They encompass everything from public safety and emergency response, to community outreach and vocational counseling. Students who want to make a difference in their communities by serving the public’s interest should consider working in this sector.

Because jobs in this sector offer some of the best benefits and retirement packages available, their job markets tend to be highly competitive. As a result, students will generally find more opportunity and less competition for these jobs in their local organizations and agencies, in comparison to larger municipalities.

Ready to...

- *Serve your local community?*
- *Provide support to culturally diverse groups of people at all income levels?*
- *Make sure the communities in which people live are safe and secure?*



Fun Fact:

Competition for public safety jobs in fire protection and law enforcement tends to be **stiffer** in affluent areas.



Types of Careers

- Police Officer
- Probation Officer
- Correctional Officer & Jailer
- Police Patrol Officer
- Sheriff & Deputy Sheriff
- Firefighter
- Fire Apparatus Engineer
- U.S. Customs Officer
- Eligibility Worker
- Vocational Counselor
- Employment & Training Technician
- Residential Counselor
- Substance Abuse Counselor
- Licensed Psychiatric Technician
- Mental Health Worker
- Paralegal & Legal Assistant



Salary Snapshot

- Criminal Investigators: \$43.06 – \$49.57
- Court Reporters: \$29.16 – \$47.07
- Police Patrol Officers: \$36.32 – \$52.38
- Firefighters: \$24.27 – \$41.35
- Municipal Clerks: \$19.59 – \$23.40
- Emergency Medical Technicians: \$11.88 – \$17.95
- Vocational Counselors: \$22.26 – \$44.45



Industry Sector Pathways:

- Victim Services
- EMS, EMT, Paramedic
- Administration of Justice/Criminal Justice
- Chief Fire Officer
- Corrections
- Fire Apparatus Operation
- Fire Inspection, Fire Prevention
- Fire Technology
- Firearms, Laws of Arrest, Investigative Assistant
- Firefighter Academy, Professional Firefighter, Fire Officer Training
- Forensic Specialist, Crime Scene Investigation, Fingerprint Recognition
- Homeland Security
- Paralegal Studies, Legal Assistant
- Peace Officer Academy, Law Enforcement, Police
- Science, Reserve Officer, Campus Law Enforcement
- Public Safety Dispatch
- Public Works



Transportation

At a Glance...

Whether it's scooters or jet airplanes, the Transportation sector plays a crucial role in our "on-the-move" world by making sure people and products get from one place to another. As vehicle components and repair techniques become increasingly sophisticated, the Transportation sector will continue to provide highly transferable employment opportunities in a wide range of related occupations.

When you think about the role that transportation plays in our personal and professional lives, it's obvious why transportation professionals are so crucial. Students who have good "mechanical minds" and enjoy working with their hands can choose from three main career pathways: Aviation and Aerospace Transportation Services; Collision Repair and Refinishing; and Vehicle Maintenance, Service, and Repair.

Areas of projected market growth include the use of Global Positioning Systems (GPS) and Radio Frequency Identification (RFID), developments in rocket technology, super-capacity jet airplanes, hybrid and hydrogen fuel-cell technology, and the use of bio-diesel and other alternative fuels.

Ready to...

- **Apply your knowledge of mechanics to maintain machines?**
- **Use the latest technology to identify and solve mechanical problems?**
- **Learn skills that will be in-demand, no matter where you live?**



Fun Fact:

Transportation-related industries employ **more than 13 million** people across the country, in a variety of roles, from driving buses, to manufacturing cars, to building and maintaining ports and railroads.



Types of Careers

- Bus & Truck Mechanic
- Automotive Master Mechanic
- Diesel Engine Specialist
- Motorcycle Mechanic
- Auto Glass Installer
- Dispatcher
- Service Writer
- Licensed Smog Technician
- Avionics Technician
- Airframe & Power Plant Technician
- Aircraft Mechanic/Service Technician



Salary Snapshot

- Avionics Technicians: \$29.50 – \$36.33
- Aircraft Mechanics: \$24.75 – \$44.01
- Diesel Engine Specialists: \$17.86 – \$29.06
- Auto Glass Installers: \$19.56 – \$24.38



Industry Sector Pathways:

- Automotive Air Conditioning/Heat
- Automotive Alignment, Brakes, Steering, Suspension, Driveability, Detailer/Porter, Electrical Systems
- Automotive Management: Repair Shop
- Automotive Specialty: Master Technician, General Motors, Ford
- Automotive Technology, Automotive/General Service Technician
- Aviation Maintenance, Airframe, Powerplant, Avionics Technology
- Geographic Information Science/Systems (GIS), Geospatial Technician
- Diesel Technology, Heavy/Medium/Light Duty Diesel Trucks
- Engine Performance, Inspection, Smog/Emissions Technician
- Engine Rebuilding, High Performance Automotive, Fabrication
- Collision Repair, Refinishing
- Transmissions



“

*I was ready for a change,
I was ready to be here, I was
ready to go out into the world.
And, you know what? I got to
the interviews and I was ready
for them, too!*

*– Brandy Gardea
Automotive Technology Grad
Victor Valley College*

”



*Did you know that the average
earnings for a person with a one-year
certificate in the Inland Empire is
84% higher than a person with only
a high school diploma or GED?*

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Ready to be a Viking?

Visit barstow.edu, or call (760) 252-2411

Chaffey College

A pioneer in creating clear pathways for college graduates to meet workforce demands, Chaffey College has laid a broad foundation for work-ready education through initiatives like the Career Transitions program and the CTE Collaborative Grant program. The college also maintains numerous “career pipeline” relationships with local governments, utilities, and industries.

Ready to be a Panther?

Visit chaffey.edu, or call (909) 652-6000

College of the Desert

With a wide variety of program offerings and an award-winning Career Education faculty, COD is the Coachella Valley’s top choice for career-ready education and training. The college’s “COD to Careers” website (CODtoCareers.com) is a valuable resource in connecting with potential employers in the fast-growing region.

Ready to be a Roadrunner?

Visit collegeofthedesert.edu, or call (760) 346-8041

Copper Mountain College

CMC has long been instrumental to evolving high desert industries, providing in-demand career education and workforce training like computer information systems, automotive, fire technology, nursing, and more. The region’s affordable cost of living and relatively low cost of doing business is expected to create historically high demand for well educated, well-trained industry professionals over the next decade.

Ready to be a Fighting Cacti?

Visit cmccd.edu, or call (760) 366-3791

Crafton Hills College

CHC is committed to strengthening the regional workforce through comprehensive, hands-on career training in high-demand fields like Respiratory Care, Fire Technology, Emergency Medical Services/Paramedic, Child Development and Education, and more. Crafton Hills is home to a renowned local Radiology program (operated cooperatively with Arrowhead Regional Medical Center), as well as a California State Fire Training Academy.

Ready to be a Roadrunner?

Visit craftonhills.edu, or call (909) 794-2161

Moreno Valley College

Moreno Valley College offers career education and workforce development training. Students have access to high-tech facilities, including the Ben Clark Public Safety Training Center, a well-regarded training center for law enforcement, fire technology, paramedic, and EMT programs, a premier dental hygiene program and an emerging maker space.

Ready to be a Lion?

Visit mvc.edu, or call (951) 571-6292

Mt. San Jacinto College

MSJC is a top destination for career education due to its high-quality faculty, facilities, and employment pipeline. Through its Cooperative Work Experience Education (CWEE) program, MSJC maintains partnerships with regional businesses and industries, leading to a wide range of internship and employment opportunities.

Ready to be an Eagle?

Visit msjc.edu, or call (951) 487-6752

Norco College

A reliable and proactive champion of Inland Empire career education, Norco College is constantly working to identify and fill the most pressing workforce needs. Through its industry advisory board, Norco connects with more than 130 local public and private sector employers to ensure students are receiving hands-on training, providing students the most up-to-date professional instruction.

Ready to be a Mustang?

Visit norcocollege.edu, or call (951) 372-7000

Palo Verde College

Offering dozens of degrees and certificates in healthcare, IT, business, emergency services and beyond, PVC delivers career-ready instruction leading directly to high-paying Desert-area jobs in manufacturing, processing, infrastructure, and more. PVC is the exclusive provider of postsecondary career education in the region.

Ready to be a Pirate?

Visit paloverde.edu, or call (760) 921-5500

Riverside City College

RCC offers highly sought-after career education programs with over 80 degree and certificate programs for one of the state’s fastest growing industrial regions. From its state-of-the-art Culinary Academy to its premier nursing program to its globally accredited business program, RCC is known for facilitating fast, focused career outcomes.

Ready to be a Tiger?

Visit rcc.edu, or call (951) 222-8624

San Bernardino Valley College

As one of the region’s career education pace-setters, SBVC is dedicated to developing the professionals of tomorrow. SBVC’s high-tech Applied Technology Building is home to the college’s respected Culinary, Applied Technology, and Transportation programs. Across all 15 industry sectors, SBVC offers more than 90 total career education degrees and certificates.

Ready to be a Wolverine?

Visit valleycollege.edu, or call (909) 384-4400

Victor Valley College

As the California high desert’s population continues to grow, so does the demand for educated and experienced professionals in such crucial local industries as health care, public safety, water management, automotive, and more. Through partnerships with some of the high desert’s biggest employers, VVC’s career education grads are helping to ensure that the region sustains its economic success with an eye toward the future.

Ready to be a Desert Ram?

Visit vvc.edu, or call (760) 245-4271

A Barstow Community College
2700 Barstow Road
Barstow, CA 92311
Visit barstow.edu
Call (760) 252-2411

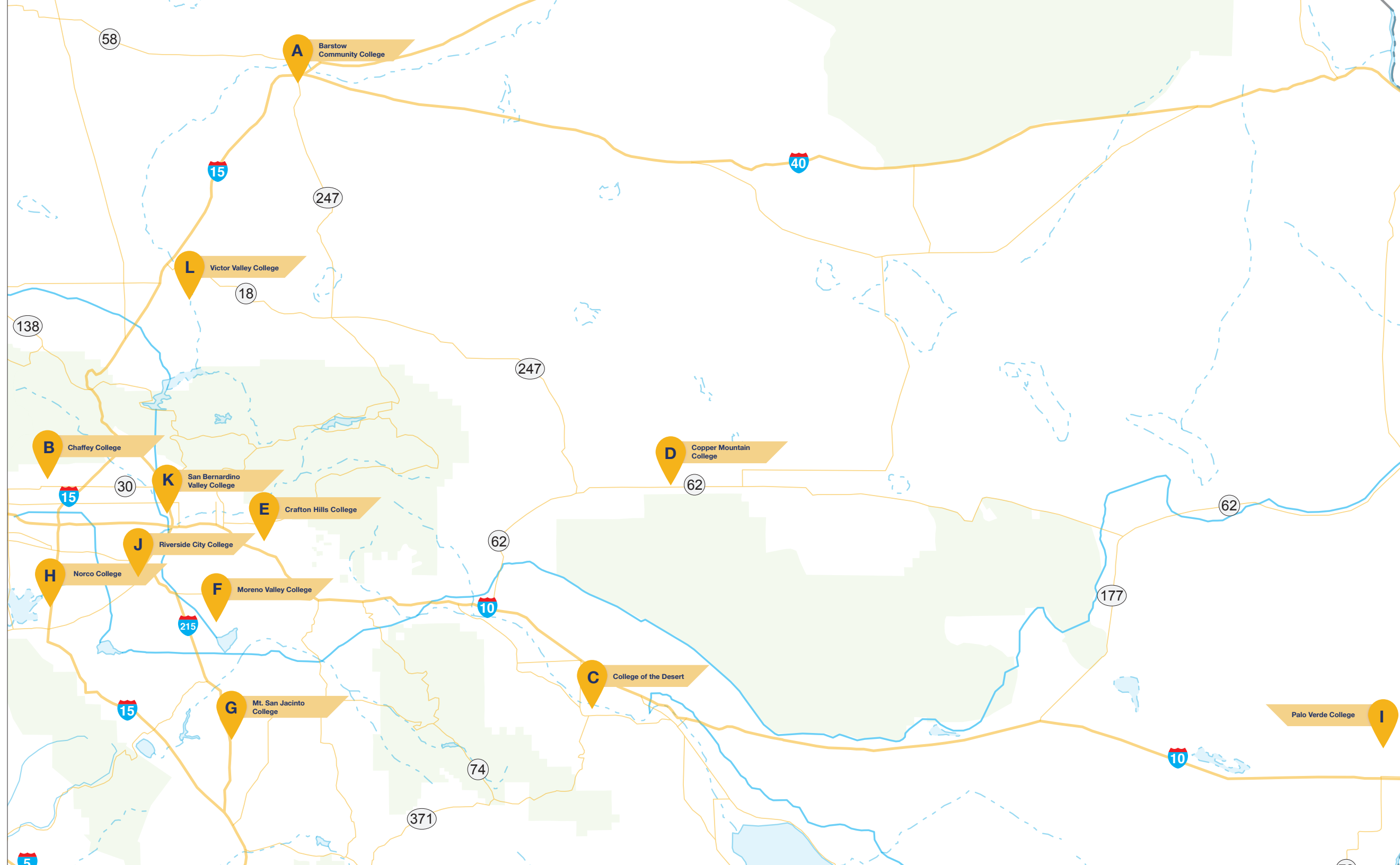
B Chaffey College
5885 Haven Avenue
Rancho Cucamonga, CA 91737
Visit chaffey.edu
Call (909) 652-6000

C College of the Desert
43-500 Monterey Avenue
Palm Desert, CA 92260
Visit collegeofthedesert.edu
Call (760) 346-8041

D Copper Mountain College
6162 Rotary Way
Joshua Tree, CA 92252
Visit cmcc.edu
Call (760) 366-3791

E Crafton Hills College
11711 Sand Canyon Road
Yucaipa, CA 92399
Visit craftonhills.edu
Call (909) 794-2161

F Moreno Valley College
16130 Lasselle Street
Moreno Valley, CA 92551
Visit mvc.edu
Call (951) 571-6292



G Mt. San Jacinto College
1499 N State Street
San Jacinto, CA 92583
Visit msjc.edu
Call (951) 487-6752

H Norco College
2001 Third Street
Norco, CA 92860
Visit norcocollege.edu
Call (951) 372-7000

I Palo Verde College
One College Drive
Blythe, CA 92225
Visit paloverde.edu
Call (760) 921-5500

J Riverside City College
4800 Magnolia Avenue
Riverside, CA 92508
Visit rcc.edu
Call (951) 222-8624

K San Bernardino Valley College
701 South Mount Vernon Avenue
San Bernardino, CA 92410
Visit valleycollege.edu
Call (909) 384-4400

L Victor Valley College
18422 Bear Valley Road
Victorville, CA 92395
Visit vvc.edu
Call (760) 245-4271

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