



Centers of Excellence for Labor Market Research

**Informing Regional Conversations with
Labor Market Information**



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Regional and Local Labor Market Information



Defining Middle-Skill Jobs

Middle-Skill Jobs include:

- All occupations that require an educational requirement of some college, associate degree or apprenticeship;
- All occupations that require a bachelor's degree, but also have more than one-third of their existing labor force with an educational attainment of some college or associate degree; or
- All occupations that require a high school diploma or equivalent or no formal education, but also require short- to long-term on-the-job training where multiple community colleges have existing programs.

Above-Middle-Skill jobs include occupations that require an educational attainment of a bachelor's degree or higher (excluding those in the middle-skills jobs category).

Below-Middle-Skill jobs require an educational attainment of a high school diploma or less.



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Jobs Analysis

Community College Middle-Skill Gap Analysis

South Central Coast Region



6%

Job Growth - Last Five Years

992,495

Regional Jobs - 2019

48,133

New Jobs Expected - Next Five
Years



33,132

annual job openings
(labor market demand)

7,936

average annual program awards
(labor market supply)

25,196

supply gap (number of
awards needed to close the gap)

Middle-Skill Gap Analysis

South Central Coast Region

Sector Name	Oversupply	Supply Met	Undersupply
Advanced Manufacturing			✓
Advanced Transportation and Logistics			✓
Agriculture, Water and Environmental Technologies			✓
Business and Entrepreneurship			✓
Energy, Construction, and Utilities			✓
Global Trade			✓
Healthcare			✓
ICT/Digital Media			✓
Life Sciences and Biotechnology			✓
Retail, Hospitality, and Tourism			✓

Why Respond to Labor Market Demand?



In 2019, there were approximately **233,000** jobs in **Northern Los Angeles***.



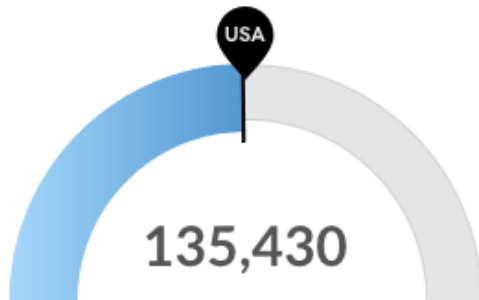
Jobs have grown by approximately **17,000** over the last five years across the microregion.



Jobs increased by **7.8%** over last five years vs national growth rate of **7.6%**.

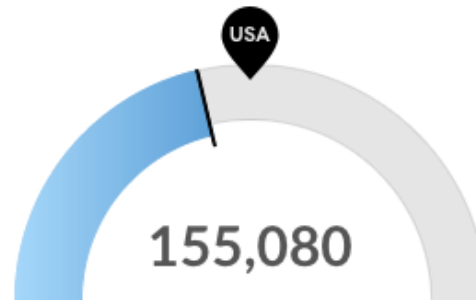
*The South Central Coast Region includes the following cities from North Los Angeles County: Canyon Country, Castaic, Lake Hughes, Lancaster, Littlerock, Llano, Newhall, Palmdale, Pearblossom, Santa Clarita, Stevenson Ranch, and Valencia.

Population Characteristics – Northern Los Angeles



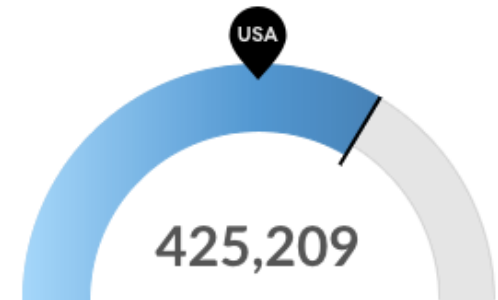
Millennials

Your area has 135,430 millennials (ages 25-39). The national average for an area this size is 137,059.



Retiring Soon

Retirement risk is low in your area. The national average for an area this size is 192,979 people 55 or older, while there are 155,080 here.



Racial Diversity

Racial diversity is high in your area. The national average for an area this size is 264,130 racially diverse people, while there are 425,209 here.



Industry Sector Data

ADVANCED MANUFACTURING JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour (i.e., living wage) and a labor market demand of at least 50 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$13.16 - \$19.38
Meat, Poultry, and Fish Cutters and Trimmers	\$13.30 - \$23.88
Slaughterers and Meat Packers	\$15.50 - \$23.24
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Cabinetmakers and Bench Carpenters	\$13.41 - \$22.58
Computer-Controlled Machine Tool Operators, Metal and Plastic	\$15.79 - \$26.64
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$13.48 - \$20.34
Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers and Finishers	\$13.27 - \$19.99
First-Line Supervisors of Production and Operating Workers	\$22.60 - \$40.84
Industrial Machinery Mechanics	\$22.50 - \$34.98
Machinists	\$16.57 - \$27.37
Maintenance and Repair Workers, General	\$14.92 - \$25.48
Mixing and Blending Machine Setters, Operators, and Tenders	\$13.60 - \$24.67
Printing Press Operators	\$12.47 - \$21.79
Production Workers, All Other	\$12.18 - \$21.10
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	\$13.79 - \$23.09
Sheet Metal Workers	\$17.10 - \$31.26
Structural Iron and Steel Workers	\$19.83 - \$34.26
Welders, Cutters, Solderers, and Brazers	\$16.12 - \$24.90
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Aircraft Mechanics and Service Technicians	\$22.75 - \$38.94
Computer, Automated Teller, and Office Machine Repairers	\$13.32 - \$25.17
ASSOCIATE DEGREE	
Electrical and Electronics Engineering Technicians	\$25.12 - \$44.54
Engineering Technicians, Except Drafters, All Other	\$26.67 - \$43.72

ADVANCED MANUFACTURING JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

BACHELOR'S DEGREE OR HIGHER

Aerospace Engineers	\$40.97 - \$73.59
Civil Engineers	\$37.35 - \$60.32
Electrical Engineers	\$38.84 - \$61.19
Electronics Engineers, Except Computer	\$43.67 - \$65.59
Engineers, All Other	\$36.78 - \$64.49
Industrial Engineers	\$37.38 - \$61.52
Industrial Production Managers*	\$38.49 - \$74.50
Mechanical Engineers	\$34.49 - \$57.23
Purchasing Managers*	\$34.29 - \$69.21

Fast Facts

Advanced Manufacturing

Northern Los Angeles

Employment	Community College	Student Demographics
14,579 People employed	Antelope Valley College	81% - Male 17% - Female
	844 Students Enrolled	87% Economically Disadvantaged
\$86,096 Average earnings per job	77% Completers employed after a year	49% First-generation
	71% Median change in earnings upon completion	17% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Advanced Manufacturing

Northern Los Angeles

Employment	Community College	Student Demographics
14,579 People employed	College of the Canyons	88% - Male 12% - Female
	643 Students Enrolled	66% Economically Disadvantaged
\$86,096 Average earnings per job	74% Completers employed after a year	30% First-generation
	51% Median change in earnings upon completion	17% Skill-builders

Source: Cal-PASS Plus - Launchboard

ADVANCED TRANSPORTATION AND LOGISTICS JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Industrial Truck and Tractor Operators	\$13.37 - \$19.50
Motor Vehicle Operators, All Other	\$30.70 - \$37.75
Sailors and Marine Oilers	\$13.64 - \$29.99
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Automotive Body and Related Repairers	\$14.74 - \$27.70
Bus and Truck Mechanics and Diesel Engine Specialists	\$19.66 - \$31.59
Bus Drivers, School or Special Client	\$14.55 - \$21.87
Bus Drivers, Transit and Intercity	\$17.41 - \$28.00
Driver/Sales Workers	\$12.22 - \$20.82
First-Line Supervisors of Mechanics, Installers, and Repairers	\$27.76 - \$46.34
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling	\$20.25 - \$35.55
Light Truck or Delivery Services Drivers	\$12.15 - \$22.54
Mobile Heavy Equipment Mechanics, Except Engines	\$22.97 - \$33.93
Production, Planning, and Expediting Clerks	\$18.11 - \$31.59
Shipping, Receiving, and Traffic Clerks	\$13.36 - \$19.57
Transportation Attendants, Except Flight Attendants	\$14.71 - \$22.10
Transportation, Storage, and Distribution Managers	\$36.56 - \$63.92
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Aircraft Mechanics and Service Technicians	\$22.75 - \$38.94
Automotive Service Technicians and Mechanics	\$14.43 - \$27.49
Heavy and Tractor-Trailer Truck Drivers	\$17.39 - \$28.59
BACHELOR'S DEGREE OR HIGHER	
Logisticians*	\$33.07 - \$50.82

Fast Facts

Advanced Transportation and Logistics

Northern Los Angeles

Employment	Community College	Student Demographics
7,617 People employed	Antelope Valley College	87% - Male 12% - Female
	370 Students Enrolled	91% Economically Disadvantaged
\$71,258 Average earnings per job	66% Completers employed after a year	51% First-generation
	46% Median change in earnings upon completion	14% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Advanced Transportation and Logistics

Northern Los Angeles

Employment	Community College	Student Demographics
7,617 People employed	College of the Canyons	92% - Male 8% - Female
	196 Students Enrolled	69% Economically Disadvantaged
\$71,258 Average earnings per job	65% Completers employed after a year	33% First-generation
	86% Median change in earnings upon completion	21% Skill-builders

Source: Cal-PASS Plus - Launchboard

AGRICULTURE, WATER AND ENVIRONMENTAL TECHNOLOGIES JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 10 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Agricultural Workers, All Other	\$18.05 - \$29.22
Grounds Maintenance Workers, All Other	\$11.66 - \$28.53
Hunters and Trappers	\$11.03 - \$41.05
Rotary Drill Operators, Oil and Gas	\$19.18 - \$25.44
Roustabouts, Oil and Gas	\$14.04 - \$26.57
Service Unit Operators, Oil, Gas, and Mining	\$22.55 - \$41.92
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Earth Drillers, Except Oil and Gas	\$17.32 - \$27.79
Fallers	\$16.66 - \$29.68
Farmers, Ranchers, and Other Agricultural Managers	\$12.12 - \$38.17
First-Line Supervisors of Farming, Fishing, and Forestry Workers	\$14.80 - \$26.15
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	\$14.70 - \$30.48
Pest Control Workers	\$15.12 - \$25.54
Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$11.99 - \$24.31
Stationary Engineers and Boiler Operators	\$26.76 - \$39.33
Tree Trimmers and Pruners	\$14.39 - \$28.56
Water and Wastewater Treatment Plant and System Operators	\$26.77 - \$40.92
ASSOCIATE DEGREE	
Agricultural and Food Science Technologies	\$15.23 - \$23.39
Environmental Engineering Technicians	\$20.01 - \$36.80
Environmental Science and Protection Technicians, Including Health	\$23.80 - \$37.95
Forest and Conservation Technicians	\$18.24 - \$28.46
BACHELOR'S DEGREE OR HIGHER	
Agricultural Engineers	\$22.83 - \$34.95
Agricultural Inspectors*	\$13.46 - \$24.96
Animal Scientists	\$18.87 - \$29.16
Environmental Engineers	\$36.57 - \$58.27
Environmental Scientists and Specialists, Including Health	\$35.09 - \$50.56
Geoscientists, Except Hydrologists and Geographers	\$29.80 - \$55.07
Hydrologists	\$37.16 - \$65.98
Physical Scientists, All Other	\$27.70 - \$60.41
Soil and Plant Scientists	\$29.35 - \$56.42

Fast Facts

Agriculture, Water and Environmental Technologies

Northern Los Angeles

Employment	Community College	Student Demographics
208 People employed	Antelope Valley College	62% - Male 34% - Female
	73 Students Enrolled	92% Economically Disadvantaged
\$51,564 Average earnings per job	60% Completers employed after a year	51% First-generation
	N/A% Median change in earnings upon completion	14% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Agriculture, Water and Environmental Technologies

Northern Los Angeles

Employment	Community College	Student Demographics
208 People employed	College of the Canyons	39% - Male 62% - Female
	96 Students Enrolled	47% Economically Disadvantaged
\$51,564 Average earnings per job	68% Completers employed after a year	23% First-generation
	5% Median change in earnings upon completion	22% Skill-builders

Source: Cal-PASS Plus - Launchboard

BUSINESS AND ENTREPRENEURSHIP JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 90 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING

Bill and Account Collectors	\$15.77 - \$24.30
Billing and Posting Clerks	\$16.60 - \$23.79
Customer Service Representatives	\$14.41 - \$22.07
Data Entry Keyers	\$13.95 - \$19.48
Executive Secretaries and Executive Administrative Assistants	\$26.48 - \$38.61
First-Line Supervisors of Office and Administrative Support Workers	\$21.94 - \$34.79
Information and Record Clerks, All Other	\$17.58 - \$25.95
Insurance Claims and Policy Processing Clerks	\$14.66 - \$24.83
Insurance Sales Agents	\$18.63 - \$40.54
Legal Secretaries	\$17.56 - \$28.30
Loan Interviewers and Clerks	\$19.81 - \$29.05
Office and Administrative Support Workers, All Other	\$13.08 - \$23.62
Payroll and Timekeeping Clerks	\$17.45 - \$27.22
Property, Real Estate, and Community Association Managers	\$16.32 - \$40.98
Real Estate Brokers	\$19.27 - \$69.21
Real Estate Sales Agents	\$16.74 - \$48.19
Sales and Related Workers, All Other	\$14.88 - \$28.51
Sales Representatives, Services, All Other	\$16.37 - \$35.38
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	\$17.49 - \$39.95
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	\$16.27 - \$24.87
Tellers	\$13.83 - \$18.19

SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD

Hairdressers, Hairstylists, and Cosmetologists	\$11.00 - \$20.43
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BUSINESS AND ENTREPRENEURSHIP JOBS AND WAGES

BACHELOR'S DEGREE OR HIGHER	
Accountants and Auditors	\$27.75 - \$48.84
Administrative Services Managers*	\$37.02 - \$63.83
Agents and Business Managers of Artists, Performers, and Athletes*	\$12.61 - \$39.97
Buyers and Purchasing Agents*	\$23.53 - \$41.75
Chief Executives	\$48.13 - \$125.73
Compliance Officers*	\$28.53 - \$48.27
Financial Analysts	\$30.18 - \$54.07
Financial Managers*	\$41.40 - \$79.16
Financial Specialists, All Other*	\$27.86 - \$45.19
Human Resources Specialists*	\$24.28 - \$41.17
Lawyers	\$37.78 - \$103.51
Loan Officers*	\$20.76 - \$47.90
Management Analysts	\$27.82 - \$57.15
Managers, All Other*	\$17.90 - \$63.15
Market Research Analysts and Marketing Specialists	\$21.38 - \$42.35
Marketing Managers	\$40.42 - \$92.13
Personal Financial Advisors	\$23.94 - \$75.76
Securities, Commodities, and Financial Services Sales Agents	\$20.05 - \$40.06
Training and Development Specialists*	\$22.76 - \$46.71

Fast Facts

Business & Entrepreneurship

Northern Los Angeles

Employment	Community College	Student Demographics
7,836 People employed	Antelope Valley College	45% - Male 55% - Female
	1,900 Students Enrolled	90% Economically Disadvantaged
\$103,399 Average earnings per job	54% Completers employed after a year	50% First-generation
	30% Median change in earnings upon completion	8% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Business & Entrepreneurship

Northern Los Angeles

Employment	Community College	Student Demographics
7,836 People employed	College of the Canyons	57% - Male 43% - Female
	2,592 Students Enrolled	69% Economically Disadvantaged
\$103,399 Average earnings per job	65% Completers employed after a year	28% First-generation
	45% Median change in earnings upon completion	11% Skill-builders

Source: Cal-PASS Plus - Launchboard

ENERGY, CONSTRUCTION AND UTILITIES JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 40 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Cement Masons and Concrete Finishers	\$18.46 - \$30.43
Construction Laborers	\$13.08 - \$25.36
Drywall and Ceiling Tile Installers	\$18.23 - \$33.31
Fence Erectors	\$11.92 - \$18.63
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$15.02 - \$18.48
Painters, Construction and Maintenance	\$14.10 - \$25.06
Plasterers and Stucco Masons	\$18.36 - \$26.48
Roofers	\$18.54 - \$28.67
Tile and Marble Setters	\$16.32 - \$26.85
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Carpenters	\$16.44 - \$33.22
Construction and Building Inspectors	\$32.62 - \$51.31
Electricians	\$20.52 - \$36.70
First-Line Supervisors of Construction Trades and Extraction Workers	\$24.30 - \$44.17
Glaziers	\$17.98 - \$33.18
Helpers--Installation, Maintenance, and Repair Workers	\$11.49 - \$16.84
Highway Maintenance Workers	\$20.83 - \$30.45
Installation, Maintenance, and Repair Workers, All Other	\$15.37 - \$27.66
Maintenance Workers, Machinery	\$20.89 - \$34.84
Operating Engineers and Other Construction Equipment Operators	\$26.15 - \$42.39
Pile-Driver Operators	\$23.04 - \$43.55
Plumbers, Pipefitters, and Steamfitters	\$19.12 - \$34.74
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$16.68 - \$30.24
ASSOCIATE DEGREE	
Architectural and Civil Drafters	\$20.66 - \$32.89
BACHELOR'S DEGREE OR HIGHER	
Architects, Except Landscape and Naval	\$24.96 - \$50.54
Architectural and Engineering Managers	\$62.99 - \$90.58
Construction Managers*	\$20.86 - \$53.62

Fast Facts

Energy, Construction & Utilities

Northern Los Angeles

Employment	Community College	Student Demographics
14,962 People employed	Antelope Valley College	90% - Male 10% - Female
	354 Students Enrolled	84% Economically Disadvantaged
\$70,842 Average earnings per job	74% Completers employed after a year	51% First-generation
	48% Median change in earnings upon completion	17% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Energy, Construction & Utilities

Northern Los Angeles

Employment	Community College	Student Demographics
14,962 People employed	College of the Canyons	71% - Male 28% - Female
	473 Students Enrolled	67% Economically Disadvantaged
\$70,842 Average earnings per job	70% Completers employed after a year	37% First-generation
	47% Median change in earnings upon completion	14% Skill-builders

Source: Cal-PASS Plus - Launchboard

GLOBAL TRADE JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 40 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING

Order Clerks	\$13.53 - \$21.46
Sales Representative, Services, All Other	\$16.37 - \$35.38
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	\$17.49 - \$39.95

BACHELOR'S DEGREE OR HIGHER

Business Operations Specialists, All Other*	\$24.18 - \$47.56
Buyers and Purchasing Agents*	\$23.53 - \$41.75
Cost Estimators*	\$24.38 - \$43.19
Sales Engineers	\$36.98 - \$76.61
Sales Managers	\$31.30 - \$73.73



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HEALTH CARE JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 60 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
File Clerks	\$12.45 - \$20.76
Healthcare Support Workers, All Other	\$17.26 - \$23.83
Hearing Aid Specialists	\$19.52 - \$36.60
Home Health Aides	\$11.96 - \$20.96
Interviewers, Except Eligibility and Loan	\$16.48 - \$24.23
Medical Secretaries	\$16.41 - \$23.97
Office Clerks, General	\$12.28 - \$21.57
Pharmacy Technicians	\$16.62 - \$23.74
Residential Advisors	\$12.97 - \$20.79
Social and Human Service Assistants	\$16.65 - \$24.12
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Dental Assistants	\$16.52 - \$23.63
Health Technologists and Technicians, All Other	\$17.56 - \$26.06
Licensed Practical and Licensed Vocational Nurses	\$21.74 - \$30.26
Massage Therapists	\$11.96 - \$29.37
Medical Assistants	\$14.45 - \$20.89
Medical Records and Health Information Technicians	\$16.31 - \$25.62
Nursing Assistants	\$13.40 - \$18.36
Phlebotomists	\$17.83 - \$23.75
Psychiatric Technicians	\$30.14 - \$36.74
ASSOCIATE DEGREE	
Clinical Laboratory Technologists and Technicians	\$20.28 - \$39.98
Dental Hygienists	\$42.90 - \$56.99
Radiologic Technologists	\$23.37 - \$43.85
Respiratory Therapy Technicians	\$13.81 - \$30.10
Veterinary Technologists and Technicians	\$16.00 - \$23.85

HEALTH CARE JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 60 annual job openings are included in this list.** Any job with “All Other” in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

BACHELOR'S DEGREE OR HIGHER	
Genetic Counselors*	\$22.71 - \$50.36
Healthcare Social Workers	\$22.91 - \$39.92
Marriage and Family Therapists	\$17.51 - \$29.23
Medical and Health Services Managers*	\$34.54 - \$72.04
Medical Scientists, Except Epidemiologists	\$38.29 - \$61.46
Mental Health and Substance Social Workers	\$21.04 - \$44.21
Nurse Midwives	\$44.69 - \$78.26
Nurse Practitioners	\$52.30 - \$67.57
Orthodontists	\$77.94 - \$141.70
Pharmacists	\$57.41 - \$75.68
Physical Therapists	\$35.84 - \$53.10
Registered Nurses*	\$38.68 - \$57.50
Social and Community Service Managers	\$24.90 - \$49.83
Social Workers, All Other	\$25.73 - \$39.61
Speech-Language Pathologists	\$35.43 - \$51.18
Substance Abuse, Behavioral Disorder, and Mental Health Counselors	\$16.54 - \$29.53

Fast Facts

Health Care

Northern Los Angeles

Employment	Community College	Student Demographics
38,281 People employed	Antelope Valley College	26% - Male 72% - Female
	751 Students Enrolled	92% Economically Disadvantaged
\$56,693 Average earnings per job	74% Completers employed after a year	49% First-generation
	47% Median change in earnings upon completion	5% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Health Care

Northern Los Angeles

Employment	Community College	Student Demographics
38,281 People employed	College of the Canyons	39% - Male 61% - Female
	1,555 Students Enrolled	70% Economically Disadvantaged
\$56,693 Average earnings per job	76% Completers employed after a year	29% First-generation
	56% Median change in earnings upon completion	9% Skill-builders

Source: Cal-PASS Plus - Launchboard

ICT & DIGITAL MEDIA JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 30 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Computer Operators	\$18.90 - \$27.97
Electrical Power-Line Installers and Repairers	\$33.75 - \$56.44
Media and Communication Equipment Workers, All Other	\$30.66 - \$57.68
Photographers	\$12.57 - \$40.97
Surveying and Mapping Technicians	\$22.19 - \$41.05
Telecommunications Line Installers and Repairers	\$19.19 - \$35.94
Word Processors and Typists	\$16.07 - \$25.23
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Audio and Video Equipment Technicians	\$12.60 - \$28.51
Computer User Support Specialists	\$20.79 - \$33.78
Telecommunications Equipment Installers and Repairers, Except Line Installers	\$21.11 - \$37.20
ASSOCIATE DEGREE	
Computer Network Support Specialists	\$26.68 - \$44.32
Web Developers	\$16.98 - \$40.14
BACHELOR'S DEGREE OR HIGHER	
Commercial and Industrial Designers*	\$17.57 - \$43.49
Computer and Information Systems Managers	\$57.02 - \$91.40
Computer Network Architects*	\$37.98 - \$67.91
Computer Occupations, All Other*	\$28.78 - \$54.83
Computer Programmers	\$32.17 - \$54.17
Computer Systems Analysts	\$33.92 - \$59.25
Database Administrators	\$26.46 - \$57.23
Editors	\$15.88 - \$41.96
Graphic Designers*	\$15.91 - \$35.33
Information Security Analysts	\$22.97 - \$73.02
Network and Computer Systems Administrators*	\$31.84 - \$51.28
Operations Research Analysts	\$32.16 - \$55.27
Producers and Directors	\$20.15 - \$55.12
Public Relations Specialists	\$24.88 - \$54.37
Software Developers, Applications	\$32.65 - \$65.55
Software Developers, Systems Software	\$41.40 - \$70.51
Technical Writers	\$31.18 - \$51.31
Writers and Authors	\$11.00 - \$43.76

Fast Facts

ICT/Digital Media

Northern Los Angeles

Employment	Community College	Student Demographics
2,379 People employed	Antelope Valley College	51% - Male 48% - Female
	2,844 Students Enrolled	88% Economically Disadvantaged
\$123,532 Average earnings per job	56% Completers employed after a year	46% First-generation
	43% Median change in earnings upon completion	7% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

ICT/Digital Media

Northern Los Angeles

Employment	Community College	Student Demographics
2,379 People employed	College of the Canyons	55% - Male 44% - Female
	3,008 Students Enrolled	65% Economically Disadvantaged
\$123,532 Average earnings per job	65% Completers employed after a year	25% First-generation
	41% Median change in earnings upon completion	9% Skill-builders

Source: Cal-PASS Plus - Launchboard

LIFE SCIENCES AND BIOTECHNOLOGY JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 10 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Chemical Equipment Operators and Tenders	\$16.70 - \$24.40
Inspectors, Testers, Sorters, Samplers, and Weighers	\$14.75 - \$27.36
Medical Appliance Technicians	\$11.65 - \$23.77
Ophthalmic Laboratory Technicians	\$13.10 - \$25.27
ASSOCIATE DEGREE	
Chemical Technicians	\$16.66 - \$29.05
Life, Physical, and Social Science Technicians, All Other	\$17.71 - \$31.39
Manufacturing Production Technicians (part of Engineering Technicians, Except Drafters, All Other)	\$26.67 - \$43.72
Medical Equipment Repairers	\$18.43 - \$32.50
Quality Control Analysts (part of Life, Physical, and Social Science Technicians, All Other)	\$17.71 - \$31.39
BACHELOR'S DEGREE OR HIGHER	
Astronomer	\$36.24 - \$77.02
Biological Scientists, All Other	\$31.72 - \$50.89
Biological Technicians*	\$18.98 - \$24.52
Biomedical Engineers	\$38.99 - \$57.49
Biostatisticians (part of Statisticians)	\$26.80 - \$47.61
Chemical Engineers	\$38.73 - \$55.29
Chemists	\$25.74 - \$44.05
Clinical Data Managers (part of Statisticians)	\$26.80 - \$47.61
Clinical Research Coordinators (part of Natural Sciences Managers)	\$38.93 - \$70.58
Conservation Scientists	\$24.68 - \$40.68
Laboratory Managers (part of Natural Sciences Managers)	\$38.93 - \$70.58
Manufacturing Engineers (part of Engineers, All Other)	\$36.78 - \$64.49
Materials Scientists	\$44.25 - \$88.47
Microbiologists	\$33.20 - \$60.13
Natural Sciences Managers	\$38.93 - \$70.58
Physicists	\$29.81 - \$64.14
Social Science Research Assistants*	\$15.99 - \$26.11
Social Scientists and Related Workers, All Other	\$34.81 - \$66.68
Sociologists	\$26.96 - \$58.15
Urban and Regional Planners	\$34.08 - \$53.32
Zoologists and Wildlife Biologists	\$31.75 - \$43.48

EDUCATION AND HUMAN DEVELOPMENT JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Self-Enrichment Education Teachers	\$14.51 - \$31.76
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Teacher Assistants	\$13.87 - \$19.26
ASSOCIATE DEGREE	
Preschool Teachers, Except Special Education	\$13.26 - \$18.80
BACHELOR'S DEGREE OR HIGHER	
Career/Technical Education Teachers, Middle School	\$20.51 - \$34.78
Child, Family, and School Social Workers	\$21.11 - \$35.01
Clinical, Counseling, and School Psychologists	\$33.84 - \$62.52
Community and Social Specialists, All Other*	\$17.60 - \$30.29
Educational, Guidance, School, and Vocational Counselors	\$49.13 - \$69.13
Education Administrators, Elementary and Secondary School	\$40.84 - \$74.34
Education Administrators, Postsecondary	\$24.28 - \$45.85
Education, Training, and Library Workers, All Other	\$15.33 - \$27.41
Elementary School Teachers, Except Special Education	\$27.82 - \$44.91
Health Educators*	\$22.21 - \$40.76
Instructional Coordinators	\$24.84 - \$45.58
Kindergarten Teachers, Except Special Education*	\$19.55 - \$41.71
Middle School Teachers, Except Special and Career/Technical Education	\$25.70 - \$41.56
Postsecondary Teachers	\$24.12 - \$56.81
Secondary School Teachers, Except Special and Career/Technical Education	\$29.01 - \$45.15
Special Education Teachers, Kindergarten and Elementary School	\$27.77 - \$44.91
Special Education Teachers, Secondary School	\$27.50 - \$44.75
Substitute Teachers*	\$16.43 - \$21.13
Teachers and Instructors, All Other	\$13.92 - \$33.62

Fast Facts

Education and Human Development

Northern Los Angeles

Employment	Community College	Student Demographics
9,263 People employed	Antelope Valley College	12% - Male 87% - Female
	1,132 Students Enrolled	95% Economically Disadvantaged
\$57,290 Average earnings per job	60% Completers employed after a year	53% First-generation
	28% Median change in earnings upon completion	8% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Education and Human Development

Northern Los Angeles

Employment	Community College	Student Demographics
9,263 People employed	College of the Canyons	14% - Male 86% - Female
	1,139 Students Enrolled	73% Economically Disadvantaged
\$57,290 Average earnings per job	74% Completers employed after a year	33% First-generation
	34% Median change in earnings upon completion	13% Skill-builders

Source: Cal-PASS Plus - Launchboard

GOVERNMENT/OR PUBLIC SAFETY JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 15 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Correctional Officers and Jailers	\$14.37 - \$42.75
Court, Municipal, and License Clerks	\$18.63 - \$25.75
Detectives and Criminal Investigators	\$42.54 - \$69.24
Dispatchers, Except Police, Fire, and Ambulance	\$15.73 - \$25.01
Eligibility Interviewers, Government Programs	\$22.44 - \$28.25
First-Line Supervisors of Correctional Officers	\$42.49 - \$68.65
First-Line Supervisors of Police and Detectives	\$61.70 - \$86.26
Police and Sheriff's Patrol Officers	\$42.04 - \$58.61
Police, Fire, and Ambulance Dispatchers	\$26.30 - \$38.09
Postal Service Clerks	\$21.17 - \$29.40
Postal Service Mail Carriers	\$19.14 - \$30.05
Postal Service Mail Sorters, Processors, and Processing Machine Operators	\$17.86 - \$28.79
Private Detectives and Investigators	\$19.23 - \$54.65
Protective Service Workers, All Other	\$12.07 - \$22.19
Transportation Security Screeners	\$20.25 - \$21.69
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Court Reporters	\$23.35 - \$46.74
Firefighters	\$27.11 - \$50.09
Library Technicians	\$18.00 - \$24.53
BACHELOR'S DEGREE OR HIGHER	
Forensic Science Technicians*	\$31.61 - \$57.82
Judicial Law Clerks	\$26.84 - \$35.71
Legislators	\$17.10 - \$38.77
Librarians	\$28.16 - \$46.17
Political Scientists	\$19.19 - \$37.53
Probation Officers and Correctional Treatment Specialists	\$28.01 - \$47.24
Surveyors	\$30.71 - \$53.19

Fast Facts

Government/Public Safety

Northern Los Angeles

Employment	Community College	Student Demographics
61,784 People employed	Antelope Valley College	46% - Male 53% - Female
	1,286 Students Enrolled	92% Economically Disadvantaged
\$96,851 Average earnings per job	65% Completers employed after a year	51% First-generation
	68% Median change in earnings upon completion	8% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Government/Public Safety

Northern Los Angeles

Employment	Community College	Student Demographics
61,784 People employed	College of the Canyons	83% - Male 17% - Female
	5,128 Students Enrolled	33% Economically Disadvantaged
\$96,851 Average earnings per job	65% Completers employed after a year	11% First-generation
	17% Median change in earnings upon completion	39% Skill-builders

Source: Cal-PASS Plus - Launchboard

RETAIL, HOSPITALITY, AND TOURISM JOBS AND WAGES

The following table lists the **minimum** educational attainment that an individual needs to have in order to be qualified for the occupation. Wages listed for each occupation are based on 25th percentile to 75th percentile earnings, which represent wages from entry-level to experienced workers, respectively. **Only occupations with median earnings of at least \$15.38 per hour** (i.e., living wage) **and a labor market demand of at least 50 annual job openings are included in this list.** Any job with "All Other" in the title is an occupation with highly specialized subsets; put differently, the title is written broadly to capture various emerging occupations.

NO FORMAL EDUCATIONAL CREDENTIAL + ADDITIONAL TRAINING	
Butchers and Meat Cutters	\$12.80 - \$20.52
Cooks, Institution and Cafeteria	\$13.27 - \$19.70
Entertainers and Performers, Sports and Related Workers, All Other	\$12.60 - \$43.19
Models	\$14.04 - \$26.39
Musician and Singers	\$15.83 - \$54.67
Tailors, Dressmakers, and Custom Sewers	\$10.73 - \$24.47
HIGH SCHOOL DIPLOMA OR EQUIVALENT + ADDITIONAL TRAINING	
Chefs and Head Cooks	\$17.28 - \$31.81
Choreographers	\$12.16 - \$42.64
First-Line Supervisors of Food Preparation and Serving Workers	\$13.25 - \$20.24
First-Line Supervisors of Non-Retail Sales Workers	\$18.39 - \$38.92
First-Line Supervisors of Personal Service Workers	\$14.30 - \$25.19
First-Line Supervisors of Retail Sales Workers	\$14.40 - \$25.55
Fitness Trainers and Aerobics Instructors	\$18.69 - \$31.38
Food Service Managers	\$16.37 - \$32.47
Reservation and Transportation Ticket Agents and Travel Clerks	\$12.60 - \$22.88
Tour and Travel Guides	\$11.61 - \$21.60
Travel Agents	\$17.35 - \$29.33
Umpires, Referees, and Other Sports Officials	\$13.27 - \$25.80
SOME COLLEGE OR POSTSECONDARY NON-DEGREE AWARD	
Actors	\$13.09 - \$44.85
BACHELOR'S DEGREE OR HIGHER	
Coaches and Scouts*	\$13.00 - 28.35
Curators	\$17.46 - \$32.97
General and Operations Managers*	\$32.74 - \$77.90
Interior Designers*	\$14.55 - \$38.95
Meeting, Convention, and Event Planners*	\$16.46 - \$29.95
Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products*	\$25.20 - \$55.99

Fast Facts

Retail, Hospitality, & Tourism

Northern Los Angeles

Employment	Community College	Student Demographics
54,910 People employed	Antelope Valley College	26% - Male 74% - Female
	1,239 Students Enrolled	92% Economically Disadvantaged
\$41,559 Average earnings per job	56% Completers employed after a year	50% First-generation
	27% Median change in earnings upon completion	9% Skill-builders

Source: Cal-PASS Plus - Launchboard

Fast Facts

Retail, Hospitality, & Tourism

Northern Los Angeles

Employment	Community College	Student Demographics
54,910 People employed	College of the Canyons	37% - Male 62% - Female
	613 Students Enrolled	70% Economically Disadvantaged
\$41,559 Average earnings per job	61% Completers employed after a year	28% First-generation
	29% Median change in earnings upon completion	11% Skill-builders

Source: Cal-PASS Plus - Launchboard



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