



OCCUPATIONS IN 16 CAREER CLUSTERS

A TOOL FOR CAREER EXPLORATION IN NAPA COUNTY

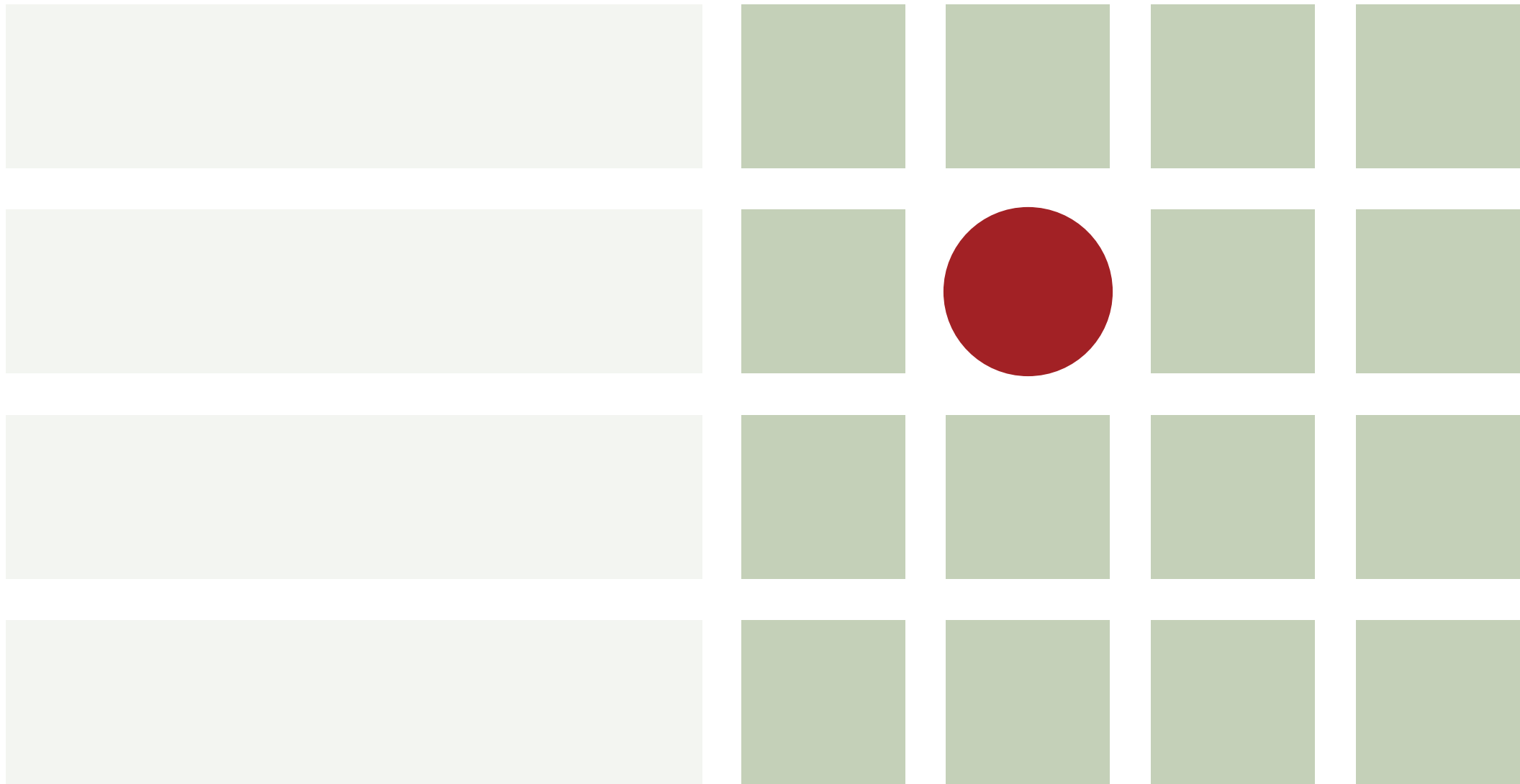


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Occupations in 16 Career Clusters is a tool for career exploration and occupational research in Napa County. It includes a handful of information for nearly 400 different occupations grouped by career cluster and then (within each career cluster) grouped by education level.

Career Clusters are an organizational tool that links occupations that are related based on their foundational skills. The 16 Career Clusters were developed by the U.S. Department of Education as a mechanism for revitalizing career and technical education and for showing the potential career pathways within a field of interest. All occupations defined by the Standard Occupational Classification (SOC) and O*NET coding systems connect to at least one Career Cluster. A few occupations connect to two Career Clusters. Chief Executives, for example, connect to the Business Management and Administration Career Cluster and to the Government and Public Administration Career Cluster.

The occupational titles and education level information are from the U.S. Department of Labor, Bureau of Labor Statistics (BLS). The occupation titles are based on the SOC taxonomy. The wage and employment projections information are from the Labor Market Information Division (LMID) of the California Employment Development Department. You can find this data on the California LaborMarketInfo website at: www.labormarketinfo.edd.ca.gov (see Data Library). In a few instances, data was only available at a nationwide level. In those cases, BLS data was used (and are indicated by 'US'). Descriptions for the education level information are included on the last page of this report.

As the footnotes indicate, blank data fields indicate that no local data was available for that occupation; Numbers in parenthesis () indicates that California or U.S. data was used (because local data was not available). The last column, called Growth & Replacement Openings, reflects combined job openings from net job growth and replacement openings in which people retire/leave the occupation between 2006-2016.

Note that, just because no local data is available for an occupation, this does not indicate that there are no jobs locally. More often than not, having no local data available indicates a relatively small number of employers for that type of job (and thus, a confidentiality issue in publishing the data). But having a small number of employers does not always correlate to a small number of jobs.

Anyone using this tool for career exploration and occupational research is encouraged to also use the U.S. Department of Labor's O*NET website at <http://online.onetcenter.org> to learn more about any occupations that interest them. Simply type (or copy and paste) any of the occupation titles into O*NET's Occupation Quick Search window and see if an O*NET Report is available. In the vast majority of cases, there will be a wealth of information awaiting you! And, at the bottom of an O*NET Report is a link to the CareerOneStop website. By selecting your state and clicking on the GO button, you can learn even more about the occupation, including wage and employment projections information for your state.

Occupations in 16 Career Clusters was developed by the Napa County Workforce Investment Board. If you have any questions, please contact Jim Cassio at (916) 320-4944.



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Agriculture, Food and Natural Resources Career Cluster

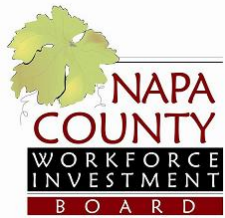
		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Professional Degree	Veterinarians	\$85,920			(34.0)		
Bachelor's Degree or Higher and Some Work Experience	Farm, Ranch, and Other Agricultural Managers	\$89,698	490	610	24.5	Grow faster than average	160
	Environmental Engineers	(\$83,100)			(25.0)		
	Foresters	(\$64,400)			(27.0)		
Associate Degree	Agricultural and Food Science Technicians	(\$38,200)			(11.0)		
	Forest and Conservation Technicians	(\$31,600)			(5.0)		
	Veterinary Technologists and Technicians	(\$33,600)			(40.0)		
Work Experience in a Related Occupation	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$46,787	150	180	20.0	Grow faster than average	40
	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$46,962	330	440	33.3	Grow much faster than average	170
	Agricultural Inspectors	(\$42,800)			(4.0)		
	Graders and Sorters, Agricultural Products	(\$18,300)			(-5.0)		
Long-Term On-the-Job Training	Farmers and Ranchers	(\$93,100)	1,110	1,110	0.0	Little or no change	100
	Water and Liquid Waste Treatment Plant and System Operators	\$63,666	140	180	28.6	Grow much faster than average	60
	Purchasing Agents and Buyers, Farm Products	(\$56,500)			(15.0)		
	Pest Control Workers	(\$30,600)			(14.0)		

Agriculture, Food and Natural Resources Career Cluster – continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Moderate-Term On-the-Job Training	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$27,749	50	50	0.0	Little or no change	10
	Agricultural Equipment Operators	\$28,074	310	410	32.3	Grow much faster than average	180
	Earth Drillers, Except Oil and Gas	(\$53,600)			(8.0)		
	Forest and Conservation Workers	(\$21,300)			(6.0)		
Short-Term On-the-Job Training	Landscaping and Groundskeeping Workers	\$27,421	920	1,100	19.6	Grow faster than average	300
	Nonfarm Animal Caretakers	\$19,203	30	40	33.3	Grow much faster than average	20
	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$24,616	4,060	5,290	30.3	Grow much faster than average	2,250
	Farmworkers, Farm and Ranch Animals	\$22,934	200	260	30.0	Grow much faster than average	110
	Refuse and Recyclable Material Collectors	(\$39,300)			(7.0)		
	Tree Trimmers and Pruners	(\$32,800)			(11.0)		
	Veterinary Assistants and Laboratory Animal Caretakers	(\$24,600)			(22.0)		

Blank fields indicate that no local data is available; () indicates that California or US data is used (because local data is not available).

* This reflects combined job openings from net job growth and replacement openings (in which people retire/leave the occupation) between 2006-2016.



Architecture and Construction Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Bachelor's Degree	Architects, Except Landscape and Naval	(\$79,600)			(8.0)		
	Civil Engineers	(\$84,600)			(15.0)		
	Construction Managers	\$111,349	310	310	0.0	Little or no change	50
	Cost Estimators	\$76,407	140	140	0.0	Little or no change	30
Postsecondary Vocational or Technical Education	Architectural and Civil Drafters	\$50,617	40	50	25.0	Grow much faster than average	20
	Mechanical Drafters	\$51,233	60	70	16.7	Grow about as fast as average	30
Work Experience in a Related Occupation	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$65,468	390	370	-5.1	Decline slowly or moderately	60
	Construction and Building Inspectors	(\$66,500)			(21.0)		
Long-Term On-the-Job Training	Brickmasons and Blockmasons	\$49,646	150	160	6.7	Grow more slowly than average	40
	Carpenters	\$50,647	1,580	1,370	-13.3	Decline rapidly	210
	Tile and Marble Setters	\$43,928	120	110	-8.3	Decline slowly or moderately	20
	Cement Masons and Concrete Finishers	\$53,516	130	120	-7.7	Decline slowly or moderately	40
	Electricians	\$70,598	360	330	-8.3	Decline slowly or moderately	90
	Plumbers, Pipefitters, and Steamfitters	\$46,364	230	210	-8.7	Decline slowly or moderately	50
	Plasterers and Stucco Masons	\$49,171	120	100	-16.7	Decline rapidly	30
	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$58,135	40	40	0.0	Little or no change	10

Architecture and Construction Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Moderate-Term On-the-Job Training	Construction Laborers	\$38,509	780	740	-5.1	Decline slowly or moderately	60
	Operating Engineers and Other Construction Equipment Operators	\$61,877	340	370	8.8	Grow more slowly than average	100
	Drywall and Ceiling Tile Installers	\$54,352	120	100	-16.7	Decline rapidly	20
	Painters, Construction and Maintenance	\$33,596	260	250	-3.8	Decline slowly or moderately	50
	Roofers	\$45,662	210	190	-9.5	Decline rapidly	50
	Sheet Metal Workers	\$43,164	100	90	-10.0	Decline rapidly	30
	Carpet Installers	(\$39,000)			(1.0)		
	Highway Maintenance Workers	(\$48,400)			(21.0)		
Short-Term On-the-Job Training	Meter Readers, Utilities	(\$43,200)	70	90	28.6	Grow much faster than average	40
	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$30,851	40	40	0.0	Little or no change	10
	Helpers--Installation, Maintenance, and Repair Workers	\$31,517	40	50	25.0	Grow much faster than average	20
	Landscaping and Groundskeeping Workers	(\$24,200)			(17.0)		

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Arts, AV Technology and Communication Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Master's Degree	Librarians	\$50,094	50	50	0.0	Little or no change	10
	Archivists	(\$29,400)			(6.0 US)		
Bachelor's Degree or Higher and Some Work Experience	Producers and Directors	(\$96,900)			(17.0)		
Bachelor's Degree	Graphic Designers	\$45,551	100	120	20.0	Grow faster than average	50
	Public Relations Specialists	\$47,541	90	110	22.2	Grow faster than average	30
	Editors	(\$51,800)			(11.0)		
	Film and Video Editors	(\$64,000)			(17.0)		
	Camera Operators, Television, Video, and Motion Picture	(\$43,800)			(17.0)		
Associate Degree	Broadcast Technicians	(\$32,600)			(17.0)		
	Interior Designers	(\$50,300)			(19.0)		
Postsecondary Vocational or Technical Education	Desktop Publishers	(\$38,900)					
	Telecommunications Equipment Installers and Repairers, Except Line Installers	(\$58,700)			(3.0)		
	Audio and Video Equipment Technicians	(\$38,600)			(23.0)		
	Prepress Technicians and Workers	(\$40,000)			(-15.0)		
Long-Term On-the-Job Training	Photographers	(\$37,000)			(15.0)		
Moderate-Term On-the-Job Training	Printing Machine Operators	\$45,257	70	90	28.6	Grow much faster than average	40
Short-Term On-the-Job Training	Library Technicians	\$34,938	80	90	12.5	Grow about as fast as average	50

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Business Management and Administration Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Master's Degree	Operations Research Analysts	(\$72,400)			(7.0)		
Bachelor's Degree or Higher and Some Work Experience	Chief Executives	(\$166,400+)	160	180	12.5	Grow about as fast as average	70
	General and Operations Managers	\$120,846	1,170	1,240	6.0	Grow more slowly than average	350
	Administrative Services Managers	\$69,310	80	110	37.5	Grow much faster than average	50
	Human Resources Managers	(\$111,900)			(13.0)		
	Management Analysts	(\$77,900)			(19.0)		
	Public Relations Managers	(\$102,300)			(17.0)		
Bachelor's Degree	Employment, Recruitment, and Placement Specialists	\$38,942	60	70	16.7	Grow about as fast as average	20
	Compensation, Benefits, and Job Analysis Specialists	\$57,741	40	60	50.0	Grow much faster than average	30
	Training and Development Specialists	\$61,946	30	30	0.0	Little or no change	10
	Accountants and Auditors	\$70,950	460	570	23.9	Grow faster than average	190
	Budget Analysts	(\$73,700)			(12.0)		
	Meeting and Convention Planners	(\$47,700)			(15.0)		
	Public Relations Specialists	(\$58,700)			(19.0)		
Postsecondary Vocational or Technical Education	Medical Secretaries	\$37,072	560	620	10.7	Grow more slowly than average	150
Work Experience in a Related Occupation	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$55,393	870	900	3.4	Little or no change	210

Business Management and Administration Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Moderate-Term On-the-Job Training	Tax Preparers	(\$48,600)	60	60	0.0	Little or no change	10
	Billing and Posting Clerks and Machine Operators	\$40,178	190	200	5.3	Grow more slowly than average	40
	Customer Service Representatives	\$36,111	700	890	27.1	Grow much faster than average	380
	Executive Secretaries and Administrative Assistants	(\$44,000)	1,030	1,180	14.6	Grow about as fast as average	310
	Secretaries, Except Legal, Medical, and Executive	\$38,604	740	750	1.4	Little or no change	130
	Data Entry Keyers	\$26,864	170	170	0.0	Little or no change	40
	Word Processors and Typists	\$28,887	130	120	-7.7	Decline slowly or moderately	30
Short-Term On-the-Job Training	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$25,156	980	1,140	16.3	Grow about as fast as average	350
	Switchboard Operators, Including Answering Service	\$24,319	50	50	0.0	Little or no change	10
	File Clerks	\$24,432	140	80	-42.9	Decline rapidly	40
	Order Clerks	\$32,647	210	190	-9.5	Decline rapidly	40
	Human Resources Assistants, Except Payroll and Timekeeping	\$44,439	80	90	12.5	Grow about as fast as average	20
	Receptionists and Information Clerks	\$29,878	490	560	14.3	Grow about as fast as average	190
	Shipping, Receiving, and Traffic Clerks	\$32,688	360	410	13.9	Grow about as fast as average	140
	Office Clerks, General	\$30,379	1,120	1,250	11.6	Grow about as fast as average	340
	Interviewers, Except Eligibility and Loan	(\$33,200)			(14.0)		

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Education and Training *Career Cluster*

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Doctoral Degree	Postsecondary Instructors and Professors	(\$58,830)			(30.0)		
Master's Degree	Educational, Vocational, and School Counselors	\$61,005	120	130	8.3	Grow more slowly than average	30
	Health Educators	\$53,560	40	50	25.0	Grow much faster than average	10
	Instructional Coordinators	\$70,214	50	60	20.0	Grow faster than average	20
Bachelor's Degree or Higher and Some Work Experience	Education Administrators, Preschool and Child Care Center/Program	\$31,599	80	80	0.0	Little or no change	20
	Education Administrators, Elementary and Secondary School	\$111,225	140	160	14.3	Grow about as fast as average	60
	Education Administrators, Postsecondary	(\$77,500)	40	50	25.0	Grow much faster than average	20
Bachelor's Degree	Kindergarten Teachers, Except Special Education	\$52,576	60	70	16.7	Grow about as fast as average	20
	Elementary School Teachers, Except Special Education	\$67,127	810	940	16.0	Grow about as fast as average	310
	Middle School Teachers, Except Special and Vocational Education	\$72,962	470	490	4.3	Grow more slowly than average	120
	Secondary School Teachers, Except Special and Vocational Education	\$71,886	650	700	7.7	Grow more slowly than average	240
	Special Education Teachers, Preschool, Kindergarten, and Elementary School	\$60,072	40	50	25.0	Grow much faster than average	20
	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$61,867	90	110	22.2	Grow faster than average	30

Education and Training Career Cluster – continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Postsecondary Vocational or Technical Education	Vocational Education Teachers, Postsecondary	\$34,487	250	310	24.0	Grow faster than average	100
	Preschool Teachers, Except Special Education	\$33,030	250	280	12.0	Grow about as fast as average	70
	Fitness Trainers and Aerobics Instructors	\$39,123	140	150	7.1	Grow more slowly than average	40
Work Experience in a Related Occupation	Self-Enrichment Education Teachers	\$56,011	190	240	26.3	Grow much faster than average	70
Short-Term On-the-Job Training	Teacher Assistants	\$27,975	480	520	8.3	Grow more slowly than average	120

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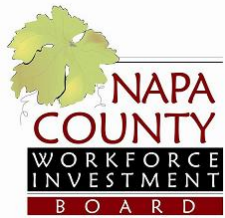


Finance Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Master's Degree	Market Research Analysts	\$61,569	70	90	28.6	Grow much faster than average	30
	Economists	(\$88,100)			(6.0 US)		
Bachelor's Degree or Higher and Some Work Experience	Financial Managers	\$109,379	280	330	17.9	Grow about as fast as average	90
	Actuaries	(\$87,500)			(20.0)		
Bachelor's Degree	Financial Analysts	\$73,094	50	50	0.0	Little or no change	0
	Personal Financial Advisors	\$93,031	50	50	0.0	Little or no change	10
	Loan Officers	\$70,745	70	60	-14.3	Decline rapidly	10
	Securities, Commodities, and Financial Services Sales Agents	\$110,383	70	60	-14.3	Decline rapidly	20
	Credit Analysts	(\$61,900)			(15.0 US)		
Associate Degree	Insurance Sales Agents	\$46,940	150	170	13.3	Grow about as fast as average	50
Long-Term On-the-Job Training	Claims Adjusters, Examiners, and Investigators	\$60,100	90	100	11.1	Grow about as fast as average	30
Moderate-Term On-the-Job Training	Bookkeeping, Accounting, and Auditing Clerks	\$39,892	1,150	1,310	13.9	Grow about as fast as average	340
	Payroll and Timekeeping Clerks	\$37,542	160	180	12.5	Grow about as fast as average	60
	Insurance Claims and Policy Processing Clerks	\$37,940	210	200	-4.8	Decline slowly or moderately	30
Short-Term On-the-Job Training	Bill and Account Collectors	\$36,377	70	80	14.3	Grow about as fast as average	20
	Tellers	\$25,770	410	300	-26.8	Decline rapidly	180

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Government and Public Administration Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Master's Degree	Urban and Regional Planners	\$91,052	30	40	33.3	Grow much faster than average	20
Bachelor's Degree or Higher and Some Work Experience	Chief Executives	(\$166,400+)	160	180	12.5	Grow about as fast as average	70
Bachelor's Degree	Social and Community Service Managers	\$52,490	50	60	20.0	Grow faster than average	20
	Accountants and Auditors	\$70,950	460	570	23.9	Grow faster than average	190
	Tax Examiners, Collectors, and Revenue Agents	(\$56,400)			(6.0)		
Long-Term On-the-Job Training	Compliance Officers	(\$54,700)			(9.0)		
Moderate-Term On-the-Job Training	Eligibility Interviewers, Government Programs	(\$45,600)			(10.0)		

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Health Science Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Professional Degree	Dentists, General	\$131,250	50	50	0.0	Little or no change	10
	Pharmacists	\$91,841	80	90	12.5	Grow about as fast as average	20
	Internists, General	(\$166,400+)	150	150	0	Little or no change	30
	Surgeons	\$144,058	50	60	20.0	Grow faster than average	20
	Physicians, Other	(\$166,400+)	40	50	25.0	Grow much faster than average	20
Master's Degree	Physical Therapists	\$46,587	150	180	20.0	Grow faster than average	50
	Speech-Language Pathologists	(\$77,100)			(18.0)		
	Occupational Therapists	(\$81,100)			(28.0)		
Bachelor's Degree or Higher and Some Work Experience	Medical and Health Services Managers	\$74,509	160	190	18.8	Grow faster than average	60
Bachelor's Degree	Medical and Clinical Laboratory Technologists	(\$72,800)	60	70	16.7	Grow about as fast as average	20
	Dietitians and Nutritionists	(\$60,900)			(14.0)		
	Physician Assistants	(\$87,900)			(25.0)		

Health Science Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Associate Degree	Registered Nurses	\$77,095	1,370	1,690	23.4	Grow faster than average	550
	Medical and Clinical Laboratory Technicians	(\$38,300)	70	80	14.3	Grow about as fast as average	20
	Radiologic Technologists and Technicians	(\$61,300)	40	50	25.0	Grow much faster than average	20
	Dental Hygienists	\$107,080	120	140	16.7	Grow about as fast as average	40
	Veterinary Technologists and Technicians	\$27,411	40	70	75.0	Grow much faster than average	40
	Medical Records and Health Information Technicians	\$40,814	110	130	18.2	Grow faster than average	50
	Respiratory Therapists	(\$64,100)	40	50	25.0	Grow much faster than average	20
Postsecondary Vocational or Technical Education	Surgical Technologists	(\$46,200)	40	50	25.0	Grow much faster than average	20
	Licensed Practical and Licensed Vocational Nurses	\$43,101	220	240	9.1	Grow more slowly than average	80
	Massage Therapists	\$19,674	510	750	47.1	Grow much faster than average	300
	Emergency Medical Technicians and Paramedics	(\$27,100)			(22.0)		
	Medical Transcriptionists	(\$41,100)			(11.0)		
Long-Term On-the-Job Training	Opticians, Dispensing	(\$36,600)			(16.0)		
Moderate-Term On-the-Job Training	Pharmacy Technicians	\$35,738	90	120	33.3	Grow much faster than average	60
	Dental Assistants	\$35,813	200	240	20.0	Grow faster than average	80
	Medical Assistants	\$31,028	250	310	24.0	Grow faster than average	90
Short-Term On-the-Job Training	Home Health Aides	\$23,127	170	270	58.8	Grow much faster than average	120
	Nursing Aides, Orderlies, and Attendants	\$29,337	430	560	30.2	Grow much faster than average	170
	Veterinary Assistants and Laboratory Animal Caretakers	\$20,873	30	40	33.3	Grow much faster than average	10

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Hospitality and Tourism Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Bachelor's Degree	Recreation Workers	\$27,001	110	120	9.1	Grow more slowly than average	30
Postsecondary Vocational or Technical Education	Chefs and Head Cooks	\$50,671	110	120	9.1	Grow more slowly than average	20
	Travel Agents	(\$33,700)			(-4.0)		
Work Experience in a Related Occupation	Food Service Managers	\$57,854	310	350	12.9	Grow about as fast as average	110
	Lodging Managers	\$46,388	90	120	33.3	Grow much faster than average	50
	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$32,575	380	450	18.4	Grow faster than average	100
	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$35,219	240	300	25.0	Grow much faster than average	100
	First-Line Supervisors/Managers of Personal Service Workers	\$37,289	110	150	36.4	Grow much faster than average	60
	First-Line Supervisors/Managers of Retail Sales Workers	\$38,161	970	1,130	16.5	Grow about as fast as average	360
Long-Term On-the-Job Training	Coaches and Scouts	\$32,948	90	100	11.1	Grow about as fast as average	30
	Cooks, Restaurant	\$26,642	650	750	15.4	Grow about as fast as average	280
Moderate-Term On-the-Job Training	Cooks, Institution and Cafeteria	\$31,181	50	60	20.0	Grow faster than average	20
	Concierges	(\$26,900)			(8.0)		

Hospitality and Tourism Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Short-Term On-the-Job Training	Cooks, Fast Food	\$17,819	330	370	12.1	Grow about as fast as average	130
	Food Preparation Workers	\$23,804	560	700	25.0	Grow much faster than average	330
	Bartenders	\$19,695	320	360	12.5	Grow about as fast as average	160
	Combined Food Preparation and Serving Workers, Including Fast Food	\$18,608	850	1,070	25.9	Grow much faster than average	380
	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$16,969	310	380	22.6	Grow faster than average	280
	Waiters and Waitresses	\$17,184	1,270	1,460	15.0	Grow about as fast as average	880
	Food Servers, Nonrestaurant	\$22,584	110	140	27.3	Grow much faster than average	50
	Dining Room and Cafeteria Attendants and Bartender Helpers	\$17,594	490	560	14.3	Grow about as fast as average	280
	Dishwashers	\$19,295	370	420	13.5	Grow about as fast as average	200
	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$18,988	260	300	15.4	Grow about as fast as average	220
	Maids and Housekeeping Cleaners	\$20,525	980	1,310	33.7	Grow much faster than average	510
	Amusement and Recreation Attendants	\$20,924	170	200	17.6	Grow about as fast as average	120
	Baggage Porters and Bellhops	\$18,117	70	90	28.6	Grow much faster than average	30
	Hotel, Motel, and Resort Desk Clerks	\$23,277	270	360	33.3	Grow much faster than average	200

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Human Services Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Doctoral Degree	Clinical, Counseling, and School Psychologists	(\$73,800)			(20.0)		
Master's Degree	Mental Health and Substance Abuse Social Workers	\$30,200	30	50	66.7	Grow much faster than average	30
	Educational, Vocational, and School Counselors	\$61,005	120	130	8.3	Grow more slowly than average	30
	Mental Health Counselors	(\$41,300)			(21.0)		
	Marriage and Family Therapists	(\$47,600)			(22.0)		
	Rehabilitation Counselors	(\$35,500)			(13.0)		
	Industrial-Organizational Psychologists	(\$66,700)			(26.0 US)		
	Clergy	(\$52,000)			(14.0)		
Bachelor's Degree or Higher and Some Work Experience	Education Administrators, Preschool and Child Care Center/Program	\$31,599	80	80	0.0	Little or no change	20
Bachelor's Degree	Child, Family, and School Social Workers	\$38,465	80	100	25.0	Grow much faster than average	40
	Social and Community Service Managers	\$52,490	50	60	20.0	Grow faster than average	20
	Personal Financial Advisors	\$93,031	50	50	0.0	Little or no change	10
	Employment, Recruitment, and Placement Specialists	\$38,942	60	70	16.7	Grow about as fast as average	20
	Recreation Workers	\$27,001	110	120	9.1	Grow more slowly than average	30
	Loan Counselors	(\$39,800)			(16.0 US)		
	Dietitians and Nutritionists	(\$60,900)			(14.0)		
	Directors, Religious Activities and Education	(\$37,100)			(14.0)		
Associate Degree	Funeral Directors	(\$52,500)			(10.0)		

Human Services Career Cluster – continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Postsecondary Vocational or Technical Education	Preschool Teachers, Except Special Education	\$33,030	250	280	12.0	Grow about as fast as average	70
	Hairdressers, Hairstylists, and Cosmetologists	\$20,115	80	140	75.0	Grow much faster than average	70
	Skin Care Specialists	\$19,592	40	80	100.0	Grow much faster than average	40
	Psychiatric Technicians	(\$48,300)			(15.0)		
	Barbers	(\$23,500)			(9.0)		
Work Experience in a Related Occupation	First-Line Supervisors/Managers of Personal Service Workers	\$37,289	110	150	36.4	Grow much faster than average	60
Moderate-Term On-the-Job Training	Social and Human Service Assistants	\$32,928	60	90	50.0	Grow much faster than average	40
	Eligibility Interviewers, Government Programs	(\$45,600)			(10.0)		
Short-Term On-the-Job Training	Child Care Workers	\$27,195	350	380	8.6	Grow more slowly than average	130
	Personal and Home Care Aides	\$23,158	550	870	58.2	Grow much faster than average	410
	Home Health Aides	\$23,127	170	270	58.8	Grow much faster than average	120
	Nursing Aides, Orderlies, and Attendants	\$29,337	430	560	30.2	Grow much faster than average	170
	Residential Advisors	(\$28,300)			(19.0)		

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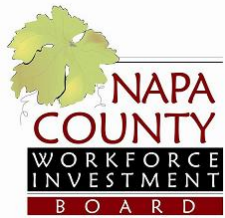


Information Technology Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Bachelor's Degree or Higher and Some Work Experience	Computer and Information Systems Managers	\$110,261	80	100	25.0	Grow much faster than average	30
	Computer Programmers	\$84,704	40	40	0.0	Little or no change	10
Bachelor's Degree	Computer Software Engineers, Applications	\$91,934	80	100	25.0	Grow much faster than average	30
	Computer Systems Analysts	\$64,471	90	130	44.4	Grow much faster than average	70
	Network and Computer Systems Administrators	\$68,071	70	80	14.3	Grow about as fast as average	30
	Network Systems and Data Communications Analysts, including Web Developers	\$61,692	90	130	44.4	Grow much faster than average	60
	Computer Software Engineers, Systems Software	(\$103,700)			(28.0)		
	Database Administrators	(\$80,200)			(31.0)		
Associate Degree	Computer Support Specialists	\$37,173	130	160	23.1	Grow faster than average	70

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Law, Public Safety, Corrections and Security Career Cluster

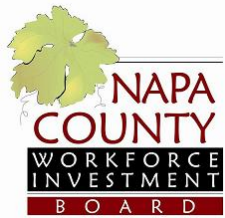
		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Professional Degree	Lawyers	\$97,512	110	140	27.3	Grow much faster than average	50
Bachelor's Degree or Higher and Some Work Experience	Arbitrators, Mediators, and Conciliators	(\$73,900)			(14.0 US)		
	Administrative Law Judges, Adjudicators, and Hearing Officers	(\$114,900)			(7.0)		
	Judges, Magistrate Judges, and Magistrates	(\$155,800)			(11.0)		
	Law Clerks	(\$38,400)			(5.0)		
Bachelor's Degree	Probation Officers and Correctional Treatment Specialists	(\$75,300)			(17.0)		
	Forensic Science Technicians	(\$63,400)			(44.0)		
Associate Degree	Paralegals and Legal Assistants	\$47,049	90	120	33.3	Grow much faster than average	40
Postsecondary Vocational or Technical Education	Emergency Medical Technicians and Paramedics	(\$27,100)			(22.0)		
Work Experience in a Related Occupation	First-Line Supervisors/Managers of Correctional Officers	(\$81,700)			(15.0)		
	Fire Inspectors and Investigators	(\$81,400)			(9.0 US)		
	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	(\$93,300)			(15.0)		
	Detectives and Criminal Investigators	(\$78,200)			(27.0)		
	First-Line Supervisors/Managers of Police and Detectives	(\$103,100)			(16.0)		
	Emergency Management Specialists	(\$71,700)			(22.0 US)		

Law, Public Safety, Corrections and Security Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Long-Term On-the-Job Training	Fire Fighters	\$41,367	120	130	8.3	Grow more slowly than average	50
	Police and Sheriff's Patrol Officers	\$82,057	120	130	8.3	Grow more slowly than average	40
	Transit and Railroad Police	(\$46,000)			(5.0 US)		
Moderate-Term On-the-Job Training	Police, Fire, and Ambulance Dispatchers	(\$50,300)	30	40	33.3	Grow much faster than average	20
	Correctional Officers and Jailers	(\$66,600)			(20.0)		
	Animal Control Workers	(\$44,700)			(24.0)		
	Gaming Surveillance Officers and Gaming Investigators	(\$31,200)			(12.0 US)		
	Bailiffs	(\$48,900)			(8.0 US)		
Short-Term On-the-Job Training	Security Guards	\$30,341	510	580	13.7	Grow about as fast as average	170
	Court, Municipal, and License Clerks	(\$43,700)	50	60	20.0	Grow faster than average	20
	Parking Enforcement Workers	(\$44,300)			(19.0)		
	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	(\$23,300)			(20.0)		

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Manufacturing Career Cluster

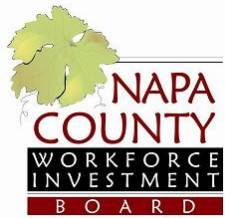
		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Bachelor's Degree	Industrial Production Managers	\$97,667	180	210	16.7	Grow about as fast as average	90
	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$57,300	110	120	9.1	Grow more slowly than average	30
	Mechanical Engineers	\$86,037	30	50	66.7	Grow much faster than average	30
Associate Degree	Industrial Engineering Technicians	(\$50,200)			(20.0)		
	Manufacturing Production (Engineering) Technicians	(\$59,900)			(16.0)		
Postsecondary Vocational or Technical Education	Electrical and Electronics Repairers, Commercial and Industrial Equipment	(\$55,500)			(13.0)		
	Telecommunications Equipment Installers and Repairers, Except Line Installers	(\$58,700)			(3.0)		
Work Experience in a Related Occupation	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$67,165	170	180	5.9	Grow more slowly than average	50
	First-Line Supervisors/Managers of Production and Operating Workers	\$68,018	500	570	14.0	Grow about as fast as average	150
	Numerical Tool and Process Control Programmers	(\$52,300)			(11.0)		
Long-Term On-the-Job Training	Industrial Machinery Mechanics	\$57,879	150	130	-13.3	Decline rapidly	30
	Maintenance and Repair Workers, General	\$40,691	780	870	11.5	Grow about as fast as average	110
	Bakers	\$24,423	120	180	50.0	Grow much faster than average	90
	Machinists	\$39,355	60	60	0.0	Little or no change	10
	Dental Laboratory Technicians	\$48,611	110	140	27.3	Grow much faster than average	50
	Boilermakers	(\$72,300)			(19.0 US)		
	Cabinetmakers and Bench Carpenters	(\$30,700)			(7.0)		
	Millwrights	(\$51,100)			(20.0)		

Manufacturing Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Moderate-Term On-the-Job Training	Hazardous Materials Removal Workers	\$38,086	40	50	25.0	Grow much faster than average	20
	Team Assemblers	\$29,937	240	320	33.3	Grow much faster than average	130
	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$33,352	30	30	0.0	Little or no change	10
	Sewing Machine Operators	\$25,126	40	20	-50.0	Decline rapidly	0
	Sawing Machine Setters, Operators, and Tenders, Wood	\$29,040	40	70	75.0	Grow much faster than average	40
	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$22,272	40	70	75.0	Grow much faster than average	40
	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	\$50,710	870	1,070	23.0	Grow faster than average	400
	Mixing and Blending Machine Setters, Operators, and Tenders	\$30,824	110	130	18.2	Grow faster than average	40
	Inspectors, Testers, Sorters, Samplers, and Weighers	\$31,986	240	200	-16.7	Decline rapidly	40
	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$27,735	50	50	0.0	Little or no change	10
	Maintenance Workers, Machinery	(\$35,000)			(6.0)		
	Computer-Controlled Machine Tool Operators, Metal and Plastic	(\$31,000)			(14.0)		
Short-Term On-the-Job Training	Production, Planning, and Expediting Clerks	\$43,805	120	140	16.7	Grow about as fast as average	50
	Food Batchmakers	(\$24,200)	40	70	75.0	Grow much faster than average	40
	Packaging and Filling Machine Operators and Tenders	\$27,970	450	470	4.4	Grow more slowly than average	100
	Helpers--Production Workers	\$25,472	70	80	14.3	Grow about as fast as average	30
	Packers and Packagers, Hand	\$18,630	320	330	3.1	Little or no change	50

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Marketing, Sales and Service Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Master's Degree	Market Research Analysts	\$61,569	70	90	28.6	Grow much faster than average	30
Bachelor's Degree or Higher and Some Work Experience	Marketing Managers	\$106,436	80	130	62.5	Grow much faster than average	70
	Sales Managers	\$98,641	230	260	13.0	Grow about as fast as average	80
Bachelor's Degree	Property, Real Estate, and Community Association Managers	\$41,762	190	180	-5.3	Decline slowly or moderately	30
	Wholesale and Retail Buyers, Except Farm Products	\$56,613	30	30	0.0	Little or no change	10
	Sales Engineers	\$92,927	100	90	-10.0	Decline rapidly	20
Associate Degree	Appraisers, Real Estate	(\$67,300)			(12.0)		
Postsecondary Vocational or Technical Education	Hairdressers, Hairstylists, and Cosmetologists	\$20,115	80	140	75.0	Grow much faster than average	70
	Skin Care Specialists	\$19,592	40	80	100.0	Grow much faster than average	40
	Real Estate Sales Agents	(\$52,700)	60	60	0.0	Little or no change	10
Work Experience in a Related Occupation	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$69,296	170	190	11.8	Grow about as fast as average	50
	Real Estate Brokers	\$53,360			(1.0)		
Long-Term On-the-Job Training	Butchers and Meat Cutters	\$43,463	60	80	33.3	Grow much faster than average	40

Marketing, Sales and Service Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Moderate-Term On-the-Job Training	Floral Designers	\$33,882	50	60	20.0	Grow faster than average	20
	Parts Salespersons	\$36,784	60	60	0.0	Little or no change	10
	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$73,173	150	180	20.0	Grow faster than average	60
	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	\$72,738	800	1,000	25.0	Grow much faster than average	380
	Demonstrators and Product Promoters	\$28,623	240	300	25.0	Grow much faster than average	130
	Laundry and Dry-Cleaning Workers	\$23,057	120	170	41.7	Grow much faster than average	80
	Customer Service Representatives	\$36,111	700	890	27.1	Grow much faster than average	380
	Procurement Clerks	\$40,740			(3.0)		
Short-Term On-the-Job Training	Cashiers	\$20,149	1,440	1,730	20.1	Grow faster than average	980
	Office Clerks, General	\$30,379	1,120	1,250	11.6	Grow about as fast as average	340
	Order Clerks	\$32,647	210	190	-9.5	Decline rapidly	40
	Counter and Rental Clerks	\$28,350	120	180	50.0	Grow much faster than average	110
	Retail Salespersons	\$24,239	2,710	3,160	16.6	Grow about as fast as average	1,290
	Stock Clerks and Order Fillers	\$24,156	600	590	-1.7	Little or no change	140
	Driver/Sales Workers	\$23,029	100	130	30.0	Grow much faster than average	50
	Parking Lot Attendants	\$18,640			(8.0)		
	Service Station Attendants	\$19,680			(22.0)		

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Science, Technology, Engineering and Mathematics Career Cluster

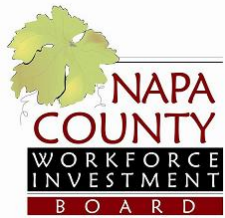
		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Doctoral Degree	Biochemists and Biophysicists	(\$89,900)			(24.0)		
	Microbiologists	(\$76,900)			(32.0)		
Master's Degree	Statisticians	(\$82,700)			(20.0)		
	Environmental Scientists, Including Health	\$69,220			(26.0)		
	Geoscientists, Except Hydrologists and Geographers	(\$81,900)			(26.0)		
	Hydrologists	(\$78,500)			(30.0)		
	Geographers	(\$68,400)			(26.0 US)		
Bachelor's Degree or Higher and Some Work Experience	Engineering Managers	\$107,933	70	80	14.3	Grow about as fast as average	30
	Natural Sciences Managers	(\$133,100)			(28.0)		
Bachelor's Degree	Civil Engineers	\$64,348	100	130	30.0	Grow much faster than average	60
	Electrical Engineers	\$89,883	90	120	33.3	Grow much faster than average	50
	Mechanical Engineers	\$86,037	30	50	66.7	Grow much faster than average	30
	Chemists	\$66,133	120	140	16.7	Grow about as fast as average	50
	Logisticians	\$70,720			(21.0)		
	Agricultural Engineers	\$73,440			(12.0 US)		
	Chemical Engineers	(\$95,300)			(10.0)		

Science, Technology, Engineering and Mathematics Career Cluster – continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Bachelor's Degree (continued)	Electronics Engineers, Except Computer	\$72,600			(7.0)		
	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	(\$82,800)			(17.0)		
	Industrial Engineers	\$80,600			(27.0)		
	Materials Engineers	(\$90,200)			(9.0)		
	Mining and Geological Engineers, Including Mining Safety Engineers	(\$91,000)			(15.0 US)		
	Technical Writers	(\$75,700)			(19.0)		
	Conservation Scientists	(\$67,000)			(10.0)		
	Materials Scientists	(\$91,300)			(12.0 US)		
	Biological Technicians	\$41,420			(30.0)		
Associate Degree	Chemical Technicians	\$38,937	90	100	11.1	Grow about as fast as average	40
	Electrical and Electronic Engineering Technicians	(\$57,600)			(10.0)		
	Agricultural and Food Science Technicians	(\$38,200)			(11.0)		
Postsecondary Vocational or Technical Education	Architectural and Civil Drafters	\$47,800	40	50	25.0	Grow much faster than average	20
	Electrical and Electronics Drafters	(\$51,800)			(5.0)		
Work Experience in a Related Occupation	Industrial Production Managers	\$97,180	180	210	16.7	Grow about as fast as average	90
Moderate-Term On-the-Job Training	Surveying and Mapping Technicians	\$55,437	60	80	33.3	Grow much faster than average	30

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Transportation, Distribution and Logistics Career Cluster

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Master's Degree	Transportation Planners	(\$69,300)			(8.0)		
Bachelor's Degree or Higher and Some Work Experience	Management Analysts	\$65,094	100	110	10.0	Grow more slowly than average	30
Bachelor's Degree	Logisticians	\$70,720			(21.0)		
	Industrial Safety and Health Engineers	(\$82,800)			(17.0)		
Postsecondary Vocational or Technical Education	Automotive Service Technicians and Mechanics	\$53,205	270	270	0.0	Little or no change	50
	Bus and Truck Mechanics and Diesel Engine Specialists	\$60,862	90	110	22.2	Grow faster than average	40
	Farm Equipment Mechanics	\$39,020	70	80	14.3	Grow about as fast as average	20
	Mobile Heavy Equipment Mechanics, Except Engines	\$66,663	60	60	0.0	Little or no change	10
	Commercial Pilots	(\$61,700)			(18.0)		
Work Experience in a Related Occupation	Transportation, Storage, and Distribution Managers	\$78,765	50	80	60.0	Grow much faster than average	50
	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$50,549	70	90	28.6	Grow much faster than average	30
	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators	\$50,212	80	120	50.0	Grow much faster than average	60
	Transportation Inspectors	(\$58,300)			(15.0)		
Long-Term On-the-Job Training	Automotive Body and Related Repairers	\$45,549	60	50	-16.7	Decline rapidly	20
	Automotive Glass Installers and Repairers	(\$35,500)			(11.0)		
	Motorcycle Mechanics	(\$38,200)			(9.0)		
	Airfield Operations Specialists	(\$56,700)			(13.0 US)		

Transportation, Distribution and Logistics Career Cluster - continued

		Napa County					
Education Level	Occupation	Median Annual Wage	Estimated Jobs in 2006	Estimated Jobs in 2016	Percent Change 06-16	Relative Growth Rate	Growth & Replacement Openings*
Moderate-Term On-the-Job Training	Dispatchers, Except Police, Fire, and Ambulance	\$36,101	60	60	0.0	Little or no change	20
	Truck Drivers, Heavy and Tractor-Trailer	\$42,181	360	480	33.3	Grow much faster than average	180
	Billing and Posting Clerks and Machine Operators	\$40,178	190	200	5.3	Grow more slowly than average	40
	Bus Drivers, Transit and Intercity	(\$39,500)	50	50	0.0	Little or no change	10
	Bicycle Repairers	(\$26,300)			(14.0)		
	Cargo and Freight Agents	(\$40,200)			(21.0)		
	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	(\$25,600)			(31.0)		
	Bus Drivers, School	(\$31,900)			(14.0)		
Short-Term On-the-Job Training	Postal Service Clerks	\$43,397	40	40	0.0	Little or no change	10
	Postal Service Mail Carriers	\$45,859	130	150	15.4	Grow about as fast as average	60
	Production, Planning, and Expediting Clerks	\$43,805	120	140	16.7	Grow about as fast as average	50
	Shipping, Receiving, and Traffic Clerks	\$32,688	360	410	13.9	Grow about as fast as average	140
	Tire Repairers and Changers	\$23,236	60	60	0.0	Little or no change	10
	Truck Drivers, Light or Delivery Services	\$24,287	310	380	22.6	Grow faster than average	130
	Taxi Drivers and Chauffeurs	\$25,372	340	380	11.8	Grow about as fast as average	80
	Industrial Truck and Tractor Operators	\$33,464	530	570	7.5	Grow more slowly than average	170
	Cleaners of Vehicles and Equipment	\$19,827	130	140	7.7	Grow more slowly than average	60
	Laborers and Freight, Stock, and Material Movers, Hand	\$27,704	740	810	9.5	Grow more slowly than average	310
	Refuse and Recyclable Material Collectors	\$55,797	60	60	0.0	Little or no change	20
	Traffic Technicians	(\$50,200)			(36.0)		

Blank fields indicate that no local data is available; () indicates that California or US data is used (because local data is not available).

* This reflects combined job openings from net job growth and replacement openings (in which people retire/leave the occupation) between 2006-2016.

Education Level Descriptions

Professional Degree - Completion of this degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree. The professional degree is the minimum preparation required for entry into several professions including lawyers, physicians, and dentists.

Doctoral Degree - Completion of a PhD or other doctoral degree usually requires at least 3 years of full-time academic work beyond the bachelor's degree. Examples include postsecondary teachers, medical scientists, and mathematicians.

Master's Degree - Completion of this degree usually requires 1 or 2 years of full-time academic study beyond a bachelor's degree. Examples include clergy, physician assistants, and most counselors.

Bachelor's Degree or Higher and Some Work Experience - Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree usually is required. Examples include engineering managers, education administrators, and financial managers.

Bachelor's Degree - Completion of this degree generally requires at least 4 years, but not more than 5 years, of full-time academic study beyond high school. Examples include accountants, elementary school teachers, and engineers.

Associate's Degree - Completion of this degree usually requires at least 2 years of full-time academic study beyond high school. Examples include paralegals, chemical technicians, and dental hygienists.

Postsecondary Vocational or Technical Education - These programs lead to a certificate or other award, but not a degree. Some such programs last only a few weeks, while others may last more than a year. Occupations in this category include some that require only the completion of a training program and some that require individuals to pass a licensing exam after completion of the program before they can work. Examples include nursing aides, surgical technologists, and hairstylists and cosmetologists.

Work-Related Training

Work Experience in a Related Occupation - Among the many occupations that require work experience is that of first-line supervisors or managers of service, sales, and production occupations.

Long-Term On-The-Job Training - Skills needed for a worker to become fully qualified require more than 12 months of on-the-job training. This includes work-based training and formal and informal apprenticeships that may last up to 5 years.

Moderate -Term On-The-Job Training - Skills needed for a worker to become fully qualified require 1 to 12 months of combined on-the-job experience and informal training. Examples include heavy and tractor-trailer truckdrivers and medical secretaries.

Short-Term On-The-Job Training - Skills needed for a worker to become fully qualified require only a short demonstration of job duties or during no more than one month of on-the-job experience or instruction. Examples include retail salespersons and waiters and waitresses.