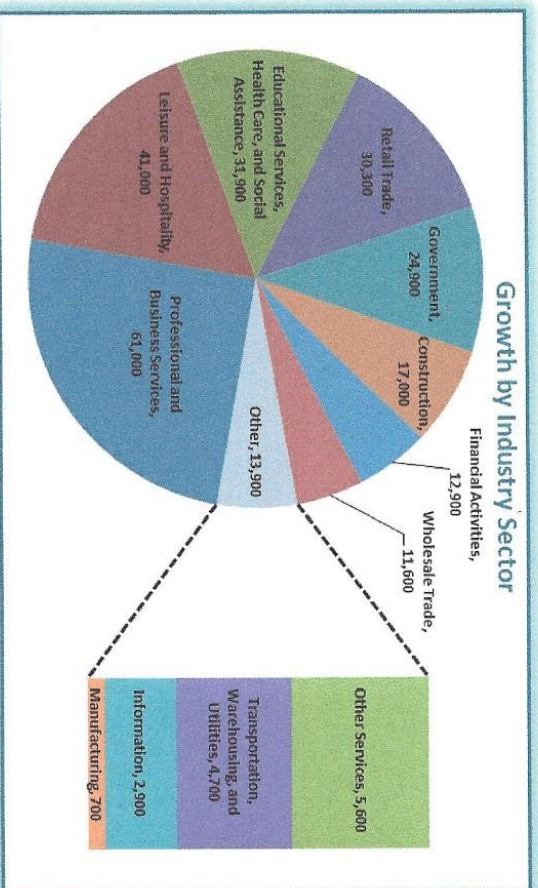


## 2010-2020 San Diego County Projection Highlights

**Industry Employment**, which includes self-employment, unpaid family workers, private household workers, farm, and nonfarm employment in San Diego County, is expected to reach 1,619,900 million by 2020, an increase of 19.1 percent over the 10-year projections period. Twelve of 13 nonfarm industry sectors are projected to grow between 2010 and 2020.



Total nonfarm employment is projected to grow by nearly 245,000 jobs by 2020. Sixty-seven percent of all projected nonfarm job growth is concentrated in four industry sectors.

- Professional and business services is projected to add the most jobs, adding 61,000 jobs. The subsector with the fastest annual growth is professional, scientific, and technical services (3.5 percent).
- Leisure and hospitality anticipates job gains of 41,000, led by a growth of 29,100 jobs in food services and drinking places.
- Educational services, healthcare, and social assistance is projected to have the third largest increase with 81 percent of growth projected to occur in health care and social assistance (31,900).
- Retail trade is projected to add 30,300 jobs, led by a growth of 7,700 jobs in general merchandise stores.

**Occupational Employment** is forecasted to add approximately 262,700 new jobs from industry growth and 322,300 job openings from replacement needs for a combined total of more than 585,000 job openings over the projections period.

The 50 occupations with the most job openings are forecasted to generate about 28,200 total job openings annually, which is about 48 percent of all job openings in San Diego County. The top three occupations with the most job openings are retail salespersons, cashiers, and waiters and waitresses. These occupations have median wages ranging from approximately \$9 to \$11 per hour and require less than a high school education. Higher-skilled occupations, requiring a bachelor's degree or higher, include lawyers, accountants and auditors, and management analysts.

The 50 fastest growing occupations anticipate an annual growth rate of 3 percent or higher. Occupations range from home health aides that require less than a high school education and earn \$10 per hour to veterinarians that require a doctoral or professional degree and pay median wages of more than \$35 per hour.



The following table, categorized by entry-level education, provides a summary of the fastest- and largest-growing occupations.



## 2010-2020 Comparison of Growing Occupations by Entry Level Education San Diego County

Fastest Growing (New Jobs from Industry Growth)		Entry Level Education	Largest Growing (New Jobs and Replacement Needs)
Medical Scientists, Except Epidemiologists (42.3% or 2,370 jobs) Biochemists and Biophysicists (40.8% or 750 jobs) Physical Therapists (28.9% or 410 jobs) Pharmacists (28.1% or 570 jobs)	Veterinarians (58.7% or 370 jobs)	Doctoral or Professional Degree	Lawyers (2,850 jobs) Medical Scientists, Except Epidemiologists (2,730 jobs) Biochemists and Biophysicists (1,170 jobs) Clinical, Counseling, and School Psychologists (1,100 jobs) Pharmacists (1,090 jobs)
Occupational Therapists (28.4% or 290 jobs) Mental Health Counselors (27.0% or 170 jobs) Healthcare Social Workers (25.2% or 260 jobs) Urban and Regional Planners (24.2% or 150 jobs) Rehabilitation Counselors (20.7% or 170 jobs)	Biomedical Engineers (74.5% or 350 jobs)	Master's Degree	Educational, Guidance, School, and Vocational Counselors (1,050 jobs) Healthcare Social Workers (500 jobs) Instructional Coordinators (500 jobs) Occupational Therapists (480 jobs) Speech-Language Pathologists (450 jobs)
Meeting, Convention, and Event Planners (50.9% or 540 jobs) Market Research Analysts and Marketing Specialists (49.8% or 2,410 jobs) Software Developers, Systems Software (38.3% or 2,280 jobs) Logisticians (37.8% or 740 jobs)	Meeting, Convention, and Event Planners (50.9% or 540 jobs) Market Research Analysts and Marketing Specialists (49.8% or 2,410 jobs) Software Developers, Systems Software (38.3% or 2,280 jobs) Logisticians (37.8% or 740 jobs)	Bachelor's Degree	Accountants and Auditors (4,630 jobs) Management Analysts (3,850 jobs) Market Research Analysts and Marketing Specialists (3,630 jobs) Software Developers, Applications (3,510 jobs) Software Developers, Systems Software (2,910 jobs) Registered Nurses (7,700 jobs)
Veterinary Technologists and Technicians (65.3% or 490 jobs) Paralegals and Legal Assistants (28.2% or 930 jobs) Environmental and Protection Technicians, Including Health (26.3% or 150 jobs) Diagnostic Medical Sonographers (25.5% or 140 jobs) Civil Engineering Technicians (21.7% or 200 jobs)	Veterinary Technologists and Technicians (65.3% or 490 jobs) Paralegals and Legal Assistants (28.2% or 930 jobs) Environmental and Protection Technicians, Including Health (26.3% or 150 jobs) Diagnostic Medical Sonographers (25.5% or 140 jobs) Civil Engineering Technicians (21.7% or 200 jobs)	Associate's Degree	General and Operations Managers (5,870 jobs) Preschool Teachers, Except Special Education (1,540 jobs) Construction Managers (1,510 jobs) Paralegals and Legal Assistants (1,390 jobs)
Heating, Air Conditioning, and Refrigeration Mechanics and Installers (34.8% or 570 jobs) Manicurists and Pedicurists (33.3% or 1,110 jobs) Hairdressers, Hairstylists, and Cosmetologists (31.9% or 1,450 jobs) Telecommunications Equipment Installers and Repairers, Except Line Installers (31.7% or 800 jobs) Skincare Specialists (29.8% or 140 jobs) Computer Support Specialists (20.3% or 1210 jobs)	Heating, Air Conditioning, and Refrigeration Mechanics and Installers (34.8% or 570 jobs) Manicurists and Pedicurists (33.3% or 1,110 jobs) Hairdressers, Hairstylists, and Cosmetologists (31.9% or 1,450 jobs) Telecommunications Equipment Installers and Repairers, Except Line Installers (31.7% or 800 jobs) Skincare Specialists (29.8% or 140 jobs) Computer Support Specialists (20.3% or 1210 jobs)	Postsecondary Non-degree Award	Nursing Aides, Orderlies, and Attendants (3,040 jobs) Licensed Practical and Licensed Vocational Nurses (2,570 jobs) Hairdressers, Hairstylists, and Cosmetologists (2,320 jobs) Manicurists and Pedicurists (1,720 jobs) Massage Therapists (1,330 jobs)
Tour Guides and Escorts (50.0% or 320 jobs) Fitness Trainers and Aerobics Instructors (37.5% or 970 jobs) Coin, Vending, and Amusement Machine Servicers and Repairers (37.3% or 280 jobs) Insurance Sales Agents (35.9% or 890 jobs) Loan Officers (35.0% or 890 jobs) Home Health Aides (54.3% or 2,330 jobs) Meat, Poultry, and Fish Cutters and Trimmers (37.5% or 150 jobs) Nonfarm Animal Caretakers (34.1% or 880 jobs) Tapers (32.3% or 210 jobs) Cooks, Institution and Cafeteria (31.8% or 670 jobs)	Tour Guides and Escorts (50.0% or 320 jobs) Fitness Trainers and Aerobics Instructors (37.5% or 970 jobs) Coin, Vending, and Amusement Machine Servicers and Repairers (37.3% or 280 jobs) Insurance Sales Agents (35.9% or 890 jobs) Loan Officers (35.0% or 890 jobs) Home Health Aides (54.3% or 2,330 jobs) Meat, Poultry, and Fish Cutters and Trimmers (37.5% or 150 jobs) Nonfarm Animal Caretakers (34.1% or 880 jobs) Tapers (32.3% or 210 jobs) Cooks, Institution and Cafeteria (31.8% or 670 jobs)	Some College, No Degree	Computer Support Specialists (2,790 jobs)
		High School Diploma or Equivalent	Office Clerks, General (12,000 jobs) Customer Service Representatives (9,210 jobs) First-Line Supervisors of Office and Administrative Support Workers (6,330 jobs) First-Line Supervisors of Retail Sales Workers (5,790 jobs) Receptionists and Information Clerks (4,770 jobs)
		Less than High School	Retail Salespersons (19,250 jobs) Cashiers (19,240 jobs) Waiters and Waitresses (19,210 jobs) Combined Food Preparation and Serving Workers, Including Fast Food (13,390 jobs) Laborers and Freight, Stock, and Material Movers, Hand (7,830 jobs)

Excludes "All-Other" occupations and those with employment less than 400 in 2010.

Source: California Employment Development Department



**2010-2020 Fastest Growing Occupations**  
**San Diego-Carlsbad-San Marcos Metropolitan Statistical Area**  
**(San Diego County)**

SOC Code	Occupational Title	Annual Average Employment		Employment Change	2012 First Quarter Wages [1]		Education and Training Levels [2]		
		2010	2020	Percent	Median Hourly	Median Annual	Entry Level Education	Work Experience	On-the-Job Training
17-2031	Biomedical Engineers	470	820	74.5	\$43.34	\$90,137	3	None	None
29-2056	Veterinary Technologists and Technicians	750	1,240	65.3	\$17.16	\$35,687	4	None	None
29-1131	Veterinarians	630	1,000	58.7	\$35.09	\$72,999	1	None	None
31-1011	Home Health Aides	4,290	6,620	54.3	\$10.77	\$22,400	8	None	ST OJT
13-1121	Meeting, Convention, and Event Planners	1,060	1,600	50.9	\$22.81	\$47,431	3	<1 year	None
39-7011	Tour Guides and Escorts	640	960	50.0	\$11.73	\$24,397	7	None	MT OJT
13-1161	Market Research Analysts and Marketing Specialists	4,840	7,250	49.8	\$30.21	\$62,826	3	None	None
19-1042	Medical Scientists, Except Epidemiologists	5,600	7,970	42.3	\$37.74	\$78,486	1	None	None
19-1021	Biochemists and Biophysicists	1,840	2,590	40.8	\$40.30	\$83,826	1	None	None
15-1133	Software Developers, Systems Software	5,950	8,230	38.3	\$49.00	\$101,912	3	None	None
13-1081	Logisticians	1,960	2,700	37.8	\$37.93	\$78,879	3	1-5 years	None
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	400	550	37.5	\$9.92	\$20,629	8	None	ST OJT
39-9031	Fitness Trainers and Aerobics Instructors	2,590	3,560	37.5	\$18.41	\$38,287	7	None	ST OJT
	Coin, Vending, and Amusement Machine Servicers and Repairers								
49-9091	Repairsters	750	1,030	37.3	\$16.43	\$34,177	7	None	ST OJT
41-3021	Insurance Sales Agents	2,480	3,370	35.9	\$31.66	\$65,868	7	None	MT OJT
13-2072	Loan Officers	2,540	3,430	35.0	\$27.77	\$57,764	7	None	MT OJT
15-1141	Database Administrators	1,060	1,430	34.9	\$36.70	\$76,348	3	1-5 years	None
31-2022	Physical Therapist Aides	430	580	34.9	\$11.04	\$22,972	7	None	MT OJT
	Heating, Air Conditioning, and Refrigeration Mechanics and Installers								
49-9021	Installers	1,640	2,210	34.8	\$25.72	\$53,497	5	None	LT OJT
13-2041	Credit Analysts	490	660	34.7	\$30.71	\$63,865	3	None	None
17-2081	Environmental Engineers	840	1,130	34.5	\$36.90	\$76,752	3	None	None
13-1051	Cost Estimators	2,180	2,930	34.4	\$31.68	\$65,882	3	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	730	980	34.2	\$31.33	\$65,164	3	None	None
39-2021	Nonfarm Animal Caretakers	2,580	3,460	34.1	\$10.31	\$21,431	8	None	ST OJT
13-1151	Training and Development Specialists	1,730	2,310	33.5	\$30.43	\$63,302	3	None	None
39-5092	Manicurists and Pedicurists	3,330	4,440	33.3	\$9.08	\$18,891	5	None	None
29-2052	Pharmacy Technicians	2,370	3,150	32.9	\$18.50	\$38,468	7	None	MT OJT
33-9093	Transportation Security Screeners (Federal Only)	730	970	32.9	\$18.21	\$37,879	7	None	MT OJT
17-1022	Surveyors	640	850	32.8	\$37.53	\$78,057	3	None	None
49-9041	Industrial Machinery Mechanics	1,130	1,500	32.7	\$26.12	\$54,335	7	None	LT OJT
27-3091	Interpreters and Translators	920	1,220	32.6	\$21.15	\$43,993	3	None	LT OJT
47-4011	Construction and Building Inspectors	890	1,180	32.6	\$35.16	\$73,134	7	>5 years	MT OJT
19-2041	Environmental Scientists and Specialists, Including Health	1,630	2,160	32.5	\$34.39	\$71,534	3	None	None
47-2082	Tapers	650	860	32.3	\$22.93	\$47,693	8	None	MT OJT
19-1022	Microbiologists	930	1,230	32.3	\$29.05	\$60,437	3	None	None
27-3042	Technical Writers	810	1,070	32.1	\$32.33	\$67,242	3	1-5 years	ST OJT
31-9095	Pharmacy Aides	530	700	32.1	\$12.22	\$25,418	7	None	ST OJT
17-1011	Architects, Except Landscape and Naval	970	1,280	32.0	\$42.42	\$88,228	3	None	I/R
39-5012	Hairdressers, Hairstylists, and Cosmetologists	4,550	6,000	31.9	\$11.16	\$23,207	5	None	None
35-2012	Cooks, Institution and Cafeteria	2,110	2,780	31.8	\$12.88	\$26,792	8	None	ST OJT