

Fastest Growing National Occupations, 2004 to 2014

Title	Employment Number		Change		Quartile Rank of Earnings	Most significant source of postsecondary education or training ²
	2004	2014	Number	%		
Home health aides	624	974	350	56.0	VL	Short-term on-the-job training
Personal and home care aides	701	988	287	41.0	VL	Short-term on-the-job training
Physical therapist aides	43	57	15	34.4	L	Short-term on-the-job training
Medical assistants	387	589	202	52.1	L	Moderate-term on-the-job training
Dental assistants	267	382	114	42.7	L	Moderate-term on-the-job training
Hazardous materials removal workers	38	50	12	31.2	H	Moderate-term on-the-job training
Preschool teachers, except special education	431	573	143	33.1	L	Postsecondary vocational award
Physical therapist assistants	59	85	26	44.2	H	Associate degree
Dental hygienists	158	226	68	43.3	VH	Associate degree
Forensic science technicians	10	13	4	36.4	VH	Associate degree
Veterinary technologists and technicians	60	81	21	35.3	L	Associate degree
Diagnostic medical sonographers	42	57	15	34.8	VH	Associate degree
Occupational therapist assistants	21	29	7	34.1	H	Associate degree
Cardiovascular technologists and technicians	45	60	15	32.6	H	Associate degree
Paralegals and legal assistants	224	291	67	29.7	H	Associate degree
Network systems and data communications analysts	231	357	126	54.6	VH	Bachelor's degree
Physician assistants	62	93	31	49.6	VH	Bachelor's degree
Computer software engineers, applications	460	682	222	48.4	VH	Bachelor's degree
Computer software engineers, systems software	340	486	146	43.0	VH	Bachelor's degree

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Title	Employment Number		Change		Quartile Rank of Earnings	Most significant source of postsecondary education or training ²
	2004	2014	Number	%		
Network and computer systems administrators	278	385	107	38.4	VH	Bachelor's degree
Database administrators	104	144	40	38.2	VH	Bachelor's degree
Computer systems analysts	487	640	153	31.4	VH	Bachelor's degree
Biomedical engineers	10	13	3	30.7	VH	Bachelor's degree
Employment, recruitment, and placement specialists	182	237	55	30.5	H	Bachelor's degree
Environmental engineers	49	64	15	30.0	VH	Bachelor's degree
Medical scientists, except epidemiologists	72	97	25	34.1	VH	Doctoral degree
Postsecondary teachers	1,628	2,153	524	32.2	VH	Doctoral degree
Physical therapists	155	211	57	36.7	VH	Master's degree
Occupational therapists	92	123	31	33.6	VH	Master's degree
Hydrologists	8	11	3	31.6	VH	Master's degree

Note: Numbers in Thousands. Source: <http://www.bls.gov/emp/emptab21.htm>

American Association of Community Colleges Cutting-Edge Programs Added by Community Colleges	
Program	% of Colleges
Biomedical Engineering/Biological Technology	12.8%
Homeland Security	11.9%
Internet Technologies	4.9%
Computer Networking	4.9%
Law Enforcement	4.6%
Multimedia	4.6%
Computer Technologies	3.6%
Geographic Information Systems	3.6%
Graphic Design	3.3%
Manufacturing	3.3%
Source: McPhee, S. <u>Hot Programs at Community Colleges</u> . American Association of Community Colleges. Retrieved March 21, 2006, at http://www.aacc.nche.edu	

American Association of Community Colleges Top 15 Hot Programs, For-Credit and Noncredit		
Program	% of Programs	Average Starting Salary
1. Registered Nursing	19.6%	\$38,419
2. Law Enforcement	5.7%	\$31,865
3. Licensed Practical Nursing	5.1%	\$27,507
4. Radiology	4.6%	\$35,612
5. Computer Technologies	3.7%	\$35,469
6. Automotive	3.5%	\$32,498
7. Nursing Assistant	3.1%	\$16,754
8. Dental Hygiene	2.9%	\$35,956
9. Health Information Technology	2.6%	\$26,578
10. Construction	2.5%	\$34,414
11. Education	2.4%	\$30,810
12. Business	2.2%	\$31,366
13. Networking	2.1%	\$35,938
14. Electronics	1.7%	\$32,734
15. Medical Assistant	1.7%	\$22,953
Source: McPhee, S. <u>Hot Programs at Community Colleges</u> . American Association of Community Colleges. Retrieved March 21, 2006, at http://www.aacc.nche.edu		

Occupations With the Most Job Openings, 2002-2012
San Francisco Metropolitan Statistical Area
(Marin, San Francisco, and San Mateo Counties)

Occupational Title	Job Openings	Median Hourly Wage	Education and Training Levels
Retail Salespersons	13,390	\$10.95	Short-Term OJT
Cashiers	12,280	\$10.30	Short-Term OJT
Waiters and Waitresses	11,060	\$8.49	Short-Term OJT
Combined Food Preparation and Serving Workers, Including Fast Food	6,880	\$8.60	Short-Term OJT
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	6,860	\$9.39	Short-Term OJT
Registered Nurses	5,170	\$38.41	Associate Degree
Office Clerks, General	4,950	\$13.42	Short-Term OJT
General and Operations Managers	4,160	\$54.47	Bachelor's Degree or Higher
Security Guards	3,980	\$11.99	Short-Term OJT
Food Preparation Workers	3,840	\$8.99	Short-Term OJT
Executive Secretaries and Administrative Assistants	3,790	\$22.03	Moderate-Term OJT
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	3,770	\$11.56	Short-Term OJT
Laborers and Freight, Stock, and Material Movers, Hand	3,570	\$11.56	Short-Term OJT
Customer Service Representatives	3,160	\$17.11	Moderate-Term OJT
Stock Clerks and Order Fillers	3,030	\$11.79	Short-Term OJT
Bookkeeping, Accounting, and Auditing Clerks	2,960	\$19.07	Moderate-Term OJT
Receptionists and Information Clerks	2,940	\$14.49	Short-Term OJT
Computer Software Engineers, Applications	2,750	\$44.27	Bachelor's Degree or Higher
Cooks, Restaurant	2,600	\$11.95	Long-Term OJT
First-Line Supervisors/Managers of Office and Administrative Support Workers	2,600	\$24.41	Work Experience
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	2,500	\$24.38	Moderate-Term OJT
Maids and Housekeeping Cleaners	2,490	\$12.06	Short-Term OJT
Accountants and Auditors	2,400	\$29.16	Bachelor's Degree or Higher
First-Line Supervisors/Managers of Retail Sales Workers	2,290	\$18.31	Work Experience
Dining Room and Cafeteria Attendants and Bartender Helpers	2,190	\$8.19	Short-Term OJT
Carpenters	1,990	\$26.61	Long-Term OJT
Computer Software Engineers, Systems Software	1,990	\$43.66	Bachelor's Degree or Higher

**Occupations With the Most Job Openings, 2002-2012
San Francisco Metropolitan Statistical Area
(Marin, San Francisco, and San Mateo Counties)**

Occupational Title	Job Openings	Median Hourly Wage	Education and Training Levels
First-Line Supervisors/Managers of Food Preparation and Serving Workers	1,990	\$15.06	Work Experience
Management Analysts	1,970	\$39.88	Bachelor's Degree or Higher
	Maintenance and Repair Workers, General	1,920	\$18.19
Dishwashers	1,900	\$8.44	Short-Term OJT
Secretaries, Except Legal, Medical, and Executive	1,890	\$18.17	Moderate-Term OJT
Tellers	1,880	N/A	Short-Term OJT
Bartenders	1,870	\$8.87	Short-Term OJT
Landscaping and Groundskeeping Workers	1,860	\$13.74	Short-Term OJT
Counter and Rental Clerks	1,830	\$10.07	Short-Term OJT
Computer and Information Systems Managers	1,730	\$61.30	Bachelor's Degree or Higher
Computer Systems Analysts	1,530	\$38.21	Bachelor's Degree or Higher
Lawyers	1,530	\$64.13	First Professional
Network Systems and Data Communications Analysts	1,370	\$39.46	Bachelor's Degree or Higher
Teacher Assistants	1,360	N/A	Short-Term OJT
Cooks, Short Order	1,350	\$9.67	Short-Term OJT
Police and Sheriff's Patrol Officers	1,320	N/A	Long-Term OJT
Financial Managers	1,320	\$53.42	Bachelor's Degree or Higher
Computer Programmers	1,280	\$41.98	Bachelor's Degree or Higher

**Occupations With the Most Job Openings, 2002-2012
San Francisco Metropolitan Statistical Area
(Marin, San Francisco, and San Mateo Counties)**

Occupational Title	Job Openings	Median Hourly Wage	Education and Training Levels
Dental Assistants	1,260	\$14.61	Moderate-Term OJT
Sales Managers	1,230	\$48.24	Bachelor's Degree or Higher
Medical Assistants	1,180	\$16.62	Moderate-Term OJT
Automotive Service Technicians and Mechanics	1,180	\$23.34	Postsecondary Vocational Education
Hotel, Motel, and Resort Desk Clerks	1,170	\$14.16	Short-Term OJT
Note: Data for San Mateo County is not available. Source: California Employment Development Department, Retrieved March 22, 2006, at http://www.labormarketinfo.edd.ca.gov			

**Occupational Employment Projections, 2002-2012
by Broad Area of Employment
San Francisco Metropolitan Statistical Area
(Marin, San Francisco, and San Mateo Counties)**

Occupational Title	Annual Job Openings	Median Hourly Wage
Total, All Occupations	27,463	\$19.81
Management Occupations	1,750	\$48.31
Computer and Mathematical Occupations	1,293	\$39.98
Architecture and Engineering Occupations	594	\$34.77
Life, Physical, and Social Science Occupations	649	\$33.80
Community and Social Services Occupations	369	\$18.67
Legal Occupations	247	\$47.97
Education, Training, and Library Occupations	1,076	\$23.16
Arts, Design, Entertainment, Sports, and Media Occupations	543	\$26.10
Healthcare Practitioners and Technical Occupations	1,096	\$34.08
Protective Service Occupations	885	\$19.31
Food Preparation and Serving Related Occupations	4,381	\$9.23
Building and Grounds Cleaning and Maintenance Occupations	890	\$12.61
Personal Care and Service Occupations	631	\$12.44
Sales and Related Occupations	3,885	\$14.89
Office and Administrative Support Occupations	4,220	\$17.60
Farming, Fishing, and Forestry Occupations	39	\$9.25
Construction and Extraction Occupations	1,035	\$26.70
Installation, Maintenance, and Repair Occupations	746	\$23.29
Production Occupations	913	\$14.01
Transportation and Material Moving Occupations	1,129	\$13.72
<p>Note: Data for San Mateo County is not available. Source: California Employment Development Department, Retrieved March 22, 2006, at http://www.labormarketinfo.edd.ca.gov</p>		