

BAY AREA INDUSTRY GROWTH ALIGNED WITH COLLEGE PROGRAMS

Industry	Number of Jobs 2013	Number of Jobs 2016	Increase in Number of Jobs	Percent Growth in Industry
Internet Publishing, Broadcasting, Web Search Portals	42,054	67,938	25,884	62%
Other Computer Related Services	9,383	14,574	5,191	55%
Research and Development in Biotechnology	10,490	14,311	3,821	36%
Custom Computer Programming Services	74,593	100,374	25,781	35%
Tax Preparation Services	2,147	2,764	617	29%
Computer Storage Device Manufacturing	1,727	2,188	461	27%
Electronic Computer Manufacturing	42,039	53,046	11,007	26%
Interior Design Services	1,353	1,694	341	25%
Computer Systems Design Services	47,237	58,762	11,525	24%
Offices of Physical, Occupational and Speech Therapists, and Audiologists	3,565	4,314	749	21%
Home Health Care Services	12,898	15,283	2,385	18%
Offices of Certified Public Accountants	14,414	17,034	2,620	18%
Radio Stations	922	1,080	158	17%
Fitness and Recreational Sports Centers	16,711	19,477	2,766	17%
Other Accounting Services	3,532	4,058	526	15%
Investigation Services	712	809	97	14%
Engineering Services	25,151	28,529	3,378	13%
Child Day Care Services	17,942	20,197	2,255	13%
Security Guards and Patrol Services	21,633	24,062	2,429	11%
Testing Laboratories	4,513	4,950	437	10%
Environmental Consulting Services	4,008	4,287	279	7%
Computer Terminal and Other Computer Peripheral Equipment Manufacturing	2,489	2,581	92	4%
Research and Development in the Physical, Engineering, and Life Sciences	44,526	45,850	1,324	3%
Payroll Services	3,166	3,139	-27	-1%
Offices of Real Estate Agents and Brokers	8,970	8,882	-88	-1%
Semiconductor and Related Device Manufacturing	32,870	30,586	-2,284	-7%
Other Scientific and Technical Consulting Services	19,923	18,395	-1,528	-8%
Television Broadcasting	2,264	2,022	-242	-11%
Other Electronic and Precision Equipment Repair and Maintenance	974	826	-148	-15%
Translation and Interpretation Services	1,373	1,137	-236	-17%

Bay Area Occupations Aligned with College Programs

Description	2017 Jobs	Change in Number of Jobs	Percent Growth in Occupation	Annual Job Openings	Regional Completers (2014)	Percent Job Market met Locally
Security Guards	28,948	1,302	5%	4,812	0	0%
Environmental Engineering Technicians	738	37	5%	83	6	7%
Computer Systems Analysts	30,054	5,239	21%	3,511	339	10%
Network and Computer Systems Administrators	14,705	1,147	8%	1,315	135	10%
Bookkeeping, Accounting, and Auditing Clerks	36,829	(579)	(2%)	4,380	788	18%
Real Estate Sales Agents	2,601	(308)	(11%)	252	47	19%
Accountants and Auditors	39,856	3,083	8%	4,498	870	19%
Real Estate Brokers	1,260	78	7%	142	47	33%
Correctional Officers and Jailers	2,157	(358)	(14%)	228	94	41%
Broadcast Technicians	488	63	15%	68	32	47%
Fitness Trainers and Aerobics Instructors	8,953	1,699	23%	1,818	861	47%
Audio and Video Equipment Technicians	2,490	493	25%	361	182	50%
Police and Sheriff's Patrol Officers	14,098	828	6%	1,172	754	64%
Computer User Support Specialists	25,527	4,757	23%	3,233	2,230	69%
Registered Nurses	53,770	6,706	14%	4,757	3,539	74%
Preschool Teachers	14,938	1,810	14%	1,919	1,476	77%
Desktop Publishers	422	(20)	(5%)	60	64	106%
Education Administrators, Preschool and Childcare	2,420	20	1%	204	223	109%
Graphic Designers	7,827	896	13%	981	1,073	109%
Interior Designers	2,223	390	21%	324	390	120%
Computer Programmers	12,670	(2,770)	(18%)	970	1,856	191%
Physical Therapists	4,025	735	22%	387	790	204%
Environmental Scientists and Specialists	3,071	(341)	(10%)	305	863	283%
Respiratory Therapists	3,017	311	11%	247	743	301%
Web Developers	7,817	946	14%	903	2,852	316%
Multimedia Artists and Animators	3,952	330	9%	444	1,623	366%
Interpreters and Translators	1,967	363	23%	284	1,079	380%
Computer Network Support Specialists	5,546	(86)	(2%)	584	2,230	382%
Physical Therapist Aides	1,128	143	15%	176	720	410%
Radio and Television Announcers	545	(54)	(9%)	101	473	470%
Environmental Science and Protection Technicians	1,142	(22)	(2%)	155	851	550%
Film and Video Editors	1,030	105	11%	140	823	589%
Reporters and Correspondents	742	(26)	(3%)	110	883	805%
Physical Therapist Assistants	476	27	6%	65	720	1102%
Detectives and Criminal Investigators	918	(53)	(5%)	63	754	1203%
Respiratory Therapy Technicians	128	(13)	(9%)	14	757	5407%

Growing Occupations in the Bay Area Not Already Served by Programs

Occupation	Annual Openings (2017)	Annual Completers (2014)
Personal Care Aides	19,402	170
Sales Representatives	7,515	286
Market Research/Marketing Specialists	6,143	304
Secretaries/Administrative Assistants	5,925	163
Electricians	3,523	358
Teachers' Assistants	3,318	6
Elementary School Teachers	2,732	1,363
Human Resource Specialists	2,588	235
Executive Secretaries	2,574	341

Nursing Assistants	2,322	749
Marketing Managers	2,138	353
Plumbers	1,947	59
Social and Human Services Assistants	1,265	246
Event Planners	629	6
Technical Writers	336	21
Library Assistants	321	28
Phlebotomists	262	188
Solar Voltaic Installers	259	0
Chemical Technicians	203	0
Cabinet Makers	197	4
Electrical and electronic Drafters	188	2
Human Resource Assistants	148	73
Surveyors	100	0

Select Bay Area Occupations and Regional Completers		
Occupation	Annual Openings (2017)	Annual Completers (2014)
Medical Assistant	2,096	2,918
Hairdressers and cosmetologists	985	1,386
Construction Managers	981	8,387
Licensed Vocational Nurses	912	1,951
Pharmacy Technician	745	1,063
Massage Therapist	524	1,572
Dental Hygienist	413	829
Tax Preparer	411	1,045
Veterinary Assistant	402	810
Medical Records Technician	395	843
Paramedics and EMTs	323	1,052
Medical/Clinical Laboratory Technician	190	698
Occupational Therapist	177	900
Dieticians and Nutritionists	167	907