



12345 El Monte Road
Los Altos Hills, California 94022
650.949.7777

**Accounting Report
For Greater South Bay and Peninsula Region
(Santa Clara and San Mateo Counties)**

Accounting Technology/Technician and Bookkeeping

CIP 2010: A program that prepares individuals to provide technical administrative support to professional accountants and other financial management personnel. Includes instruction in posting transactions to accounts, record-keeping systems, accounting software operation, and general accounting principles and practices.

Target Occupations[‡]

Tax Preparers (13-2082)

Billing and Posting Clerks (43-3021)

Bookkeeping, Accounting, and Auditing Clerks (43-3031)

Payroll and Timekeeping Clerks (43-3051)

Brokerage Clerks (43-4011)

Statistical Assistants (43-9111)

[‡]Based on EMSI crosswalk of the Classification of Instructional Programs (CIP) codes with Standard Occupational Classification (SOC) codes as published by the U.S. Department of Education.

In 2012, the number of accounting technology jobs in the target occupations in Santa Clara and San Mateo Counties totaled 18,717. The Bureau of Labor Statistics (BLS) expects the total number of positions to increase by 2.5% over the next three years. Regional openings in 2012, which included created jobs and turnover, totaled 1,102. Completions in accounting technology programs totaled 372 from ten institutions, with an additional 71 completions from other related programs. These additional programs are linked to multiple occupations and not all those who complete will enter the target occupations indicated in this report.

Target Occupation Performance

18,717* Jobs (2012) National Location Quotient: 0.82 [†]	2.5%* Growth (2013-2016) National: 3.6%	\$23.23/hr Median Earnings National: \$16.91/hr
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*Based on total number of jobs for target occupations in Santa Clara and San Mateo Counties.

[†]Represents occupation density as compared to national average (national average=1).

Regional Openings (2012)**	1,102
Regional Program Completions (2012)	372
All Regional Completions for Target Occupations ^{††} (2012)	443

**Openings include created jobs and turnover.

^{††} Includes all regional programs applicable to target occupations

Accounting Technology Occupations Performance

Target Occupations	Regional Openings (2012)	Average Hourly Earnings	Growth (2013-2016)
Bookkeeping, Accounting, and Auditing Clerks (43-3031)	704	\$23.71	2.3%
Billing and Posting Clerks (43-3021)	222	\$23.08	3.7%
Brokerage Clerks (43-4011)	9	\$25.23	3.8%
Statistical Assistants (43-9111)	5	\$24.76	3.2%
Tax Preparers (13-2082)	62	\$26.88	2.6%
Payroll and Timekeeping Clerks (43-3051)	100	\$25.12	1.4%

Regional Breakdown for Accounting Technology Occupations

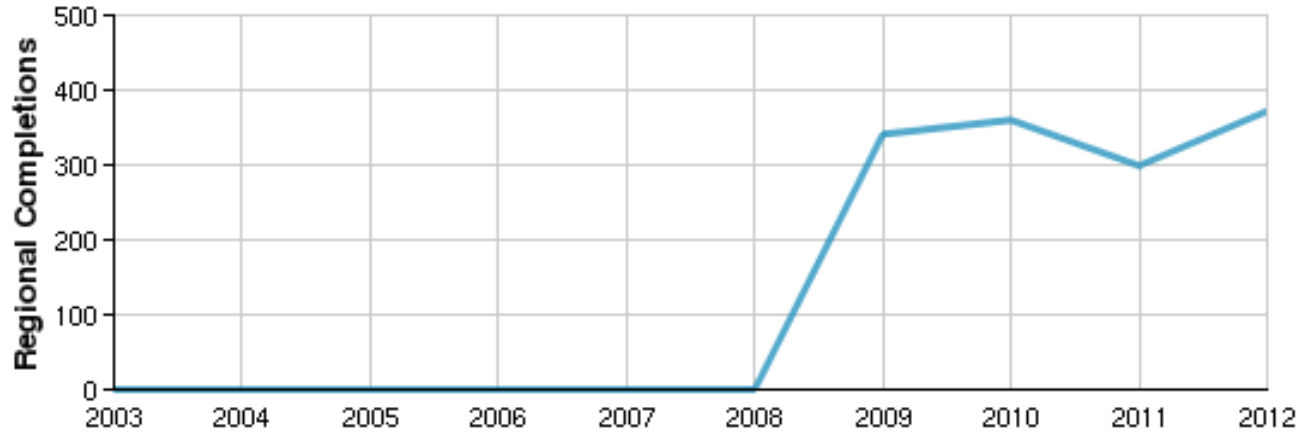
County Name	2013 Jobs	2016 Jobs	2013 Annual Openings	Median Hourly Earnings	2013 National Location Quotient
Santa Clara	13,866	14,281	316	\$22.52	0.81
San Mateo	5,682	5,756	95	\$24.93	0.89
Total	19,547	20,037	411	\$23.23	

Regional Accounting Technology Training Providers

10
Institutions

372*
Completions (2012)

*Based on IPEDS data.



Institution	Degrees	Certificates	Total Completions
College of San Mateo	17	78	95
De Anza College	25	65	90
Skyline College	34	20	54
Mission College	22	12	34
Evergreen Valley College	21	7	28
Canada College	15	12	27
Foothill College	15	2	17
Gavilan College	9	2	11
San Jose City College	9	1	10
West Valley College	0	6	6

Other regional programs may train individuals eligible for the targeted accounting technology occupations, which are based on an occupation-program crosswalk developed by the Department of Education. These additional programs are offered at San Jose State University and De Anza College. As noted earlier, many postsecondary programs are linked to multiple occupations and not all those who complete the program will enter the target occupation.

Related Regional Programs Allowing Entry to Accounting Technology

2 Programs (2012)	443 Completions (2012)
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Program	2008	2009	2010	2011	2012
Taxation (52.1601)	43	33	49	50	71
Accounting and Related Services, Other (52.0399)	12	22	23	0	0

Target Occupations Demographics

The demographics among those employed in the target accounting technology occupations in Santa Clara and San Mateo Counties for 2013 show that a majority are women (84.1%) and over two-thirds are between the ages of 25-54 (69.3%).

Gender Demographics (Regional)

Gender	Jobs (2013)	% of Total	
Male	3,106	15.9%	
Female	16,441	84.1%	

Age Demographics (Regional)

Age	Jobs (2013)	% of Total	
14-18 Years	94	0.5%	
19-21 Years	339	1.7%	
22-24 Years	802	4.1%	
25-34 Years	3,990	20.4%	
35-44 Years	4,588	23.5%	
45-54 Years	4,971	25.4%	
55-64 Years	3,418	17.5%	
65+ Years	1,345	6.9%	

Industries Employing Accounting Technology Occupations

A number of industries in Santa Clara and San Mateo Counties employ those trained in accounting technology and its related occupations. The following table represents a regional industry breakdown of the number of accounting technicians employed, the percentage of accounting technology jobs employed by industry and the percentage accounting technology jobs represent within all jobs by each industry. While certified public accountants employed 6.8% of all regional accounting technicians in 2013, accounting technology and its related occupations represent roughly over one-sixth of the total jobs in other accounting service (19.2%).

Inverse Staffing Patterns (Regional)

Top Five Industries	Occupation Group Jobs in Industry (2013)	% of Occupation Group in Industry (2013)	% of Total Jobs in Industry (2013)
Offices of Certified Public Accountants (541211)	1,330	6.8%	19.2%
Corporate, Subsidiary, and Regional Managing Offices (551114)	620	3.2%	4.3%
Local Government, Excluding Education and Hospitals (903999)	600	3.1%	1.6%
Office Administrative Services (561110)	588	3.0%	8.8%
Offices of Physicians (except Mental Health Specialists) (621111)	555	2.8%	4.0%

Data Sources and Calculations

State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Completers Data

The completers data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Industry Data

EMSI industry data have various sources depending on the class of worker. (1) For QCEW Employees, EMSI primarily uses the QCEW (Quarterly Census of Employment and Wages), with supplemental estimates from County Business Patterns and Current Employment Statistics. (2) Non-QCEW employees data are based on a number of sources including QCEW, Current Employment Statistics, County Business Patterns, BEA State and Local Personal Income reports, the National Industry-Occupation Employment Matrix (NIOEM), the American Community Survey, and Railroad Retirement Board statistics. (3) Self-Employed and Extended Proprietor classes of worker data are primarily based on the American Community Survey, Nonemployer Statistics, and BEA State and Local Personal Income Reports. Projections for QCEW and Non-QCEW Employees are informed by NIOEM and long-term industry projections published by individual states.